

# Cc ie Route Official Certificatio n

Master the CCNP®  
ROUTE 642-902  
exam with this  
official study  
guide Assess  
your knowledge

with chapter-  
opening quizzes  
Review key  
concepts with  
Exam Preparation  
Tasks CCNP ROUTE  
642-902 Official  
Certification  
Guide is a best  
of breed Cisco®  
exam study guide  
that focuses  
specifically on  
the objectives

*Page 2/422*

*ccie-route-official-certification*

for the CCNP®  
ROUTE exam.  
Senior  
instructor and  
best-selling  
author Wendell  
Odom shares  
preparation  
hints and test-  
taking tips,  
helping you  
identify areas  
of weakness and  
improve both

*Page 3/422*

your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics.

CCNP ROUTE

642-902 Official Certification

*Page 4/422*

*ccie-route-official-certification*

Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and allow you to

*Page 5/422*

decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks sections help drill you on key concepts you must know thoroughly. 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

*Page 7/422*

the exam the  
first time. CCNP  
ROUTE 642-902  
Official  
Certification  
Guide is part of  
a recommended  
learning path  
from Cisco that  
includes  
simulation and  
hands-on  
training from  
authorized Cisco

*Page 8/422*

*ccie-route-official-certification*



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

*Page 9/422*

Partners  
worldwide,  
please visit [www  
.cisco.com/go/au  
thorizedtraining](http://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

*Page 10/422*

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,

*Page 11/422*

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](http://www.TheCertZone.com)  
. This 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 (I...  
This is the  
eBook version of  
the print title.  
Note that the  
eBook does not  
provide access  
to the practice  
test software  
that accompanies

*Page 14/422*

the print book.  
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

*Page 15/422*

assessment,  
review, and  
practice to help  
ensure you are  
fully prepared  
for your  
certification  
exam. CCDA  
640-864 Official  
Cert Guide  
presents you  
with an  
organized test  
preparation

*Page 16/422*



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

*Page 17/422*

topic lists make  
referencing  
easy. Chapter-  
ending Exam  
Preparation  
Tasks help you  
drill on key  
concepts you  
must know  
thoroughly.  
Master Cisco  
CCDA 640-864  
exam topics  
Assess your

*Page 18/422*

knowledge with  
chapter-opening  
quizzes Review  
key concepts  
with exam  
preparation  
tasks CCDA  
640-864 Official  
Cert Guide,  
focuses  
specifically on  
the objectives  
for the Cisco  
CCDA DESGN exam.

*Page 19/422*

Expert  
networking  
consultants  
Anthony Bruno  
and Steve Jordan  
share  
preparation  
hints and test-  
taking tips,  
helping you  
identify areas  
of weakness and  
improve both  
your conceptual

*Page 20/422*

knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. Well-regarded for its level of detail, assessment

*Page 21/422*

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

*Page 22/422*

the exam the first time. The official study guide helps you master all the topics on the CCDA DESGN exam, including:

- Network design methodology
- Network structure models
- Enterprise LAN and data center

*Page 23/422*

design  
Enterprise  
network  
virtualization  
Wireless LAN  
design WAN  
technologies and  
design IPv4 and  
IPv6 RIP, EIGRP,  
OSPF, and BGP  
Route  
summarization  
and route  
filtering

*Page 24/422*



Security  
solutions Voice  
and video design  
Network  
management  
protocols CCDA  
640-864 Official  
Cert Guide is  
part of a  
recommended  
learning path  
from Cisco that  
includes  
simulation and

*Page 25/422*

*ccie-route-official-certification*

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

*Page 26/422*

offered by  
authorized Cisco  
Learning  
Partners  
worldwide,  
please visit [www  
.cisco.com/go/au  
thorizedtraining](http://www.cisco.com/go/authorizedtraining)  
.

Trust the best-  
selling Official  
Cert Guide  
series from  
Cisco Press to

*Page 27/422*

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

*Page 28/422*

certification  
exam. • Master  
Cisco CCNA ICND2  
200-105 exam  
topics • Assess  
your knowledge  
with chapter-  
opening quizzes  
• Review key  
concepts with  
exam-preparation  
tasks This is  
the eBook  
edition of CCNA

*Page 29/422*

Routing and  
Switching ICND2  
200-105 Official  
Cert Guide. This  
eBook does not  
include the  
companion CD-ROM  
with practice  
exam that comes  
with the print  
edition. CCNA  
Routing and  
Switching ICND2  
200-105 Official

*Page 30/422*

*ccie-route-official-certification*

Cert Guide  
presents you  
with an  
organized test-  
preparation  
routine through  
the use of  
proven series  
elements and  
techniques. "Do  
I Know This  
Already?"  
quizzes open  
each chapter and

*Page 31/422*

enable you to  
decide how much  
time you need to  
spend on each  
section. Exam  
topic lists make  
referencing  
easy. Chapter-  
ending Exam  
Preparation  
Tasks help you  
drill on key  
concepts you  
must know



thoroughly. CCNA  
Routing and  
Switching ICND2  
200-105 Official  
Cert Guide from  
Cisco Press  
enables you to  
succeed on the  
exam the first  
time and is the  
only self-study  
resource  
approved by  
Cisco. Best-

*Page 33/422*

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

*Page 34/422*

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

*Page 35/422*

spend on each  
section .

Chapter-ending  
and part-ending  
exercises, which  
help you drill  
on key concepts  
you must know  
thoroughly .

Troubleshooting  
sections, which  
help you master  
the complex  
scenarios you

*Page 36/422*

will face on the exam . A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies . Study plan suggestions and templates to

*Page 37/422*

help you  
organize and  
optimize your  
study time Well  
regarded for its  
level of detail,  
study plans,  
assessment  
features,  
challenging  
review questions  
and exercises,  
video  
instruction, and

*Page 38/422*

*ccie-route-official-certification*

hands-on labs,  
this official  
study guide  
helps you master  
the concepts and  
techniques that  
ensure your exam  
success. This  
official study  
guide helps you  
master all the  
topics on the  
CCNA ICND2 exam,  
including .

*Page 39/422*

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

This is the  
eBook version of

*Page 40/422*



the print title.  
Note that the  
eBook does not  
provide access  
to the practice  
test software  
that accompanies  
the print book.  
Access to the  
personal video  
mentoring is  
available  
through product  
registration at

*Page 41/422*

Cisco Press; or  
see the  
instructions in  
the back pages  
of your eBook.  
Learn, prepare,  
and practice for  
CCNP/CCIE Data  
Center Core  
DCCOR 350-601  
exam success  
with this Cert  
Guide from Cisco  
Press, a leader

*Page 42/422*

in IT  
certification  
learning and the  
only self-study  
resource  
approved by  
Cisco. • Master  
CCNP/CCIE Data  
Center Core  
DCCOR 350-601  
exam topics •  
Assess your  
knowledge with  
chapter-ending

*Page 43/422*

quizzes • Review  
key concepts  
with exam  
preparation  
tasks • Learn  
from more than  
two hours of  
video mentoring  
CCNP and CCIE  
Data Center Core  
DCCOR 350-601  
Official Cert  
Guide is a best-  
of-breed exam

*Page 44/422*

study guide.  
Expert authors  
Somit Maloo and  
Firas Ahmed  
share  
preparation  
hints and test-  
taking tips,  
helping you  
identify areas  
of weakness and  
improve both  
your conceptual  
knowledge and

*Page 45/422*

hands-on skills.  
Material is  
presented in a  
concise manner,  
focusing on  
increasing your  
understanding  
and retention of  
exam topics. The  
book presents  
you with an  
organized test-  
preparation  
routine through

*Page 46/422*

the use of  
proven series  
elements and  
techniques. Exam  
topic lists make  
referencing  
easy. Chapter-  
ending Exam  
Preparation  
Tasks help you  
drill on key  
concepts you  
must know  
thoroughly.

*Page 47/422*

Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The book also contains more than two

*Page 48/422*



hours of  
personal video  
mentoring from  
the Pearson IT  
Certification  
Complete Video  
Course. Go to  
the back pages  
of your eBook  
for instructions  
on how to access  
the personal  
video mentoring  
content. Well

*Page 49/422*

regarded for its  
level of detail,  
assessment  
features, and  
challenging  
review questions  
and exercises,  
this study guide  
helps you master  
the concepts and  
techniques that  
will help you  
succeed on the  
exam the first

*Page 50/422*

time. This official study guide helps you master all the topics on the CCNP/CCIE Data Center Core DCCOR 350-601 exam, including

- Network •
- Compute •
- Storage Network •
- Automation •
- Security

*Page 51/422*

Cisco CCENT/CCNA  
ICND1 100-101  
Official Cert  
Guide, Academic  
Edition

CCIE Routing and  
Switching V5.0  
Official Cert  
Guide, Volume 1,  
Fifth Edition

CCNA 200-301  
Official Cert  
Guide, Volume 2  
CCNP SWITCH

*Page 52/422*

*ccie-route-official-certification*

642-813 Official  
Certification  
Guide

CCNP Routing and  
Switching TSHOOT

300-135 Official  
Cert Guide

**CCENT/CCNA**

**ICND1 100-101**

**Official Cert Guide,  
Academic Edition is  
a comprehensive  
textbook and study**

*Page 53/422*

*ccie-route-official-certification*

package for a  
beginner-level  
networking course.  
This book has been  
completely revised  
to align to Cisco's  
new CCENT  
100-101 ICND1  
exam. Material is  
presented in a  
concise manner,  
focusing on  
increasing student

*Page 54/422*

retention and recall of exam topics. The book is printed in four color, allowing students to benefit from carefully crafted figures that utilize color to convey concepts. If you're looking for a lower-priced option for your students, consider the

*Page 55/422*

Standard Version.  
The book content is the same with the same instructor resources but is printed in black and white and the books have a slightly different layout with chapter opening assessment questions instead of review questions.

*Page 56/422*



The Standard Version does not include the premium edition eBook and practice test, but does include a CD with practice test software. See ISBN 9781587143854.

The 1 hour 14 minute presentation found at the following link was

*Page 57/422*

given by Wendell  
Odom to cover  
"Teaching the New  
CCENT ICND1  
100-101 & CCNA  
ICND2 200-101  
Exam Material."  
[http://bit.ly/OdomC  
CENTCCNA](http://bit.ly/OdomCCENTCCNA)

This preparation  
guide offers  
complete coverage  
of the CCNA

*Page 58/422*

640-802 exam,  
including all INTRO  
and ICND topics.  
800x600 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

*Page 59/422*

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

*Page 60/422*

provides you with an introduction to foundational networking concepts and hands-on application. Best-selling author and expert instructor Wendell Odom shares study hints and test-taking tips, helping you identify areas of weakness

*Page 61/422*

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

*Page 62/422*

exercises, including memory tables, command summaries, key term definitions, mind mapping exercises, review questions, and more, which test your understanding and reinforce your knowledge

Troubleshooting

*Page 63/422*

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

*Page 64/422*



software, complete  
with hundreds of  
well-reviewed, exam-  
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

*Page 65/422*

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

*Page 66/422*

author Online  
interactive 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

*Page 67/422*

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

*Page 68/422*

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

*Page 69/422*

CCENT/CCNA  
ICND1 exam,  
including ·  
Networking  
fundamentals ·  
Implementing basic  
Ethernet LANs ·  
Ethernet LANs:  
design, VLANs, and  
troubleshooting ·  
IPv4 addressing and  
subnetting ·  
Implementing IPv4 ·

*Page 70/422*

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,

*Page 71/422*

and 90 minutes of  
video training.  
Includes Exclusive  
Offers For Up to  
70% Off Video  
Training and  
Network Simulator  
Software Pearson IT  
Certification  
Practice Test  
minimum system  
requirements:  
Windows 10,

*Page 72/422*



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;

*Page 73/422*

access to the Internet to register and download exam databases In addition to the wealth of updated content, this new edition includes a series of free hands-on exercises to help you master several real-world configuration and

*Page 74/422*

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

*Page 75/422*

book. This software, which simulates the experience of working on actual Cisco routers and switches, contains the following 24 free lab exercises, covering all the topics in Part II, the first hands-on configuration section of the book:

*Page 76/422*

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

*Page 77/422*

10. Interface Status  
IV 11. Setting  
Switch Passwords  
12. Switch CLI  
Configuration  
Process I 13. Switch  
CLI Configuration  
Process II 14.  
Switch CLI Exec  
Mode 15. Switch  
Forwarding I 16.  
Switch IP Address  
17. Switch IP

*Page 78/422*

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

*Page 79/422*

Security

Troubleshooting

Scenario If you are interested in

exploring more

hands-on labs and practicing

configuration and

troubleshooting with

more router and

switch commands,

see the special 50%

discount offer in the

*Page 80/422*



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

*Page 81/422*

gigahertz (GHz) or  
faster 32-bit (x86) or  
64-bit (x64)  
processor · 1 GB  
RAM (32-bit) or 2  
GB RAM (64-bit) ·  
16 GB available  
hard disk space  
(32-bit) or 20 GB  
(64-bit) · DirectX 9  
graphics device with  
WDDM 1.0 or higher  
driver · Adobe

*Page 82/422*

Acrobat Reader  
version 8 and above  
Mac system  
requirements  
(minimum) · OS X  
10.11, 10.10, 10.9,  
or 10.8 · Intel core  
Duo 1.83 GHz · 512  
MB RAM (1 GB  
recommended) · 1.5  
GB hard disk space  
· 32-bit color depth  
at 1024x768

*Page 83/422*

resolution · Adobe  
Acrobat Reader  
version 8 and above  
Cisco certified  
networking  
professional Route  
642-902 official  
certification guide.  
Ccie Routing And  
Switching Exam  
Certification Guide,  
4/E  
CCIE Routing and

*Page 84/422*

Switching  
Certification Guide  
CCNP Enterprise  
Advanced Routing  
ENARSI 300-410  
Official Cert Guide  
Exam 64 Offi Cert  
Guid ePub \_1  
CCNA Official Exam  
Certification Library  
Trust the best selling  
Official Cert Guide series  
from Cisco Press to help

*Page 85/422*

*ccie-route-official-certification*

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 CCNP  
ENARSI exam topics  
Assess your knowledge  
with chapter-opening  
quizzes Review key

*Page 86/422*

concepts with exam  
preparation tasks This is  
the eBook edition of the  
CCNP Enterprise  
Advanced Routing  
ENARSI 300-410 Official  
Cert Guide. This eBook  
does not include access  
to the Pearson Test Prep  
practice exams that  
comes with the print  
edition. CCNP  
Enterprise Advanced  
Routing ENARSI

*Page 87/422*

300-410 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. Expert authors  
Raymond Lacoste and  
Brad Edgeworth share  
preparation hints and test-  
taking tips, helping you  
identify areas of weakness  
and improve both your  
conceptual knowledge

*Page 88/422*



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 allow 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

*Page 89/422*

thoroughly Practice  
exercises that help you  
enhance your knowledge  
More than 60 minutes of  
video mentoring from  
the author A final  
preparation chapter,  
which guides you  
through tools and  
resources to help you  
craft your review and test-  
taking strategies Study  
plan suggestions and  
templates to help you

*Page 90/422*

organize and optimize your study time 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 success. This official study guide helps you master all the topics on

*Page 91/422*

the CCNP Enterprise  
Advanced Routing  
ENARSI exam, including  
Layer 3 technologies,  
including IPv4/IPv6  
routing, EIGRP, OSPF,  
and BGP VPN services,  
including MPLS Layer 3  
VPNs and DMVPN  
Infrastructure security,  
including ACLs, AAA,  
uRPF, CoPP, and IPv6  
first hop security features  
Infrastructure services,

*Page 92/422*

including syslog, SNMP,  
IP SLA, Object Tracking,  
NetFlow, Flexible  
NetFlow, and more  
Master CCIE 350-001  
exam topics with the  
official study guide  
Assess your knowledge  
with chapter-opening  
quizzes Review key  
concepts with foundation  
summaries Practice with  
hundreds of exam  
questions on the CD-

*Page 93/422*

ROM Wendell Odom,  
CCIE No. 1624 Rus  
Healy, CCIE No. 15025  
Naren Mehta, CCIE No.  
9797 CCIE Routing and  
Switching Exam  
Certification Guide,  
Third Edition, is a best of  
breed Cisco exam study  
guide that focuses  
specifically on the  
objectives for the CCIE  
Routing and Switching  
written exam. Senior

*Page 94/422*

instructor and 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. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics.

*Page 95/422*

CCIE Routing and Switching Exam Certification Guide, Third 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 need to spend on

*Page 96/422*



each section. Foundation Topic sections present detailed overviews of all exam objectives. Key Topic icons allow you to identify and quickly review the most important exam topics. Foundation summaries reinforce key exam concepts with review exercises and important tables. The companion CD-ROM contains a

*Page 97/422*

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 chapter-by-chapter basis, presenting question-by-question remediation to the text and laying out a complete study plan for review. Well regarded for

*Page 98/422*

*ccie-route-official-certification*

its level of detail, assessment features, and challenging review exercises and practice questions, this completely revised and updated third edition helps you master the concepts and techniques that will enable you to succeed on the exam the first time. CCIE Routing and Switching Exam Certification Guide,

*Page 99/422*

Third Edition, is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners

*Page 100/422*

worldwide, visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining). Wendell Odom, CCIE No. 1624, has been in the networking industry since 1981. He currently teaches QoS, MPLS, and CCNA courses for Skyline Advanced Technology Services (<http://www.skyline-ats.com>). Wendell has worked as a network engineer, consultant,

*Page 101/422*

systems engineer, and as an instructor and course developer and has taught authorized Cisco courses for the majority of the last 14 years. Rus Healy, CCIE No. 15025, is a principal SE with Annese & Associates, the largest upstate New York Cisco Silver partner. Naren Mehta, CCIE No 9797, is a senior partner and director of training for an

*Page 102/422*

internationally known training and consulting company that specializes in providing customized, one-to-one training for CCIE lab students and consulting. The official study guide helps you master all the topics on the CCIE Routing and Switching written exam, Cisco Press is the official publisher for the New CCENT & CCNA

*Page 103/422*

*ccie-route-official-certification*

Routing and Switching  
Certifications. The New  
Edition of the Best-  
Selling two-book value  
priced CCNA Official  
Cert Guide Library  
includes Updated  
Content, New Exercises,  
8 Practice Exams, and  
150 Minutes of Video  
Training -- PLUS the  
CCENT and CCNA  
Network Simulator Lite  
Editions with 26 Free

*Page 104/422*



Network Simulator Labs.  
CCNA 200-120 Official  
Cert Guide Library is a  
comprehensive review  
and package for the latest  
CCNA exams. The two  
books contained in this  
package, CCENT /  
CCNA ICND1 100-101  
Official Cert Guide and  
CCNA ICND2 200-101  
Official Cert Guide,  
present complete reviews  
and a more challenging

*Page 105/422*

and realistic preparation experience. The books have been fully updated to refresh the content for the latest CCNA exam topics and enhance certain key topics that are critical for exam success. Best-selling author and expert instructor Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness

*Page 106/422*

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

*Page 107/422*

exercises, which help you drill on key concepts you must know thoroughly

Troubleshooting sections, which help you master the complex scenarios you will face on the exam

The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options,

*Page 108/422*

and detailed performance reports A free copy of the CCNA ICND1 and ICND2 Network Simulator Lite software, complete with meaningful lab exercises that help you hone your hands-on skills with the command-line interface for routers and switches More than 150 minutes of personal video mentoring from the

*Page 109/422*

author Final preparation chapters, which guide 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 These official study guides help you master all the topics on the CCNA exams, including: Networking

*Page 110/422*

fundamentals Ethernet  
LANs and switches IPv4  
addressing and  
subnetting Operating  
Cisco routers  
Configuring OSPF ACLs  
and NAT IPv6  
fundamentals,  
implementation, and  
troubleshooting LAN  
switching IPv4 routing  
VPNs OSPF and EIGRP  
configuration and  
troubleshooting Wide

*Page 111/422*

area networks and Frame Relay Network management Well regarded for its level of detail, study plans, assessment features, challenging review questions and exercises, video instruction, and hands-on labs, these official study guides help you master the concepts and techniques that ensure your exam

*Page 112/422*



success. CCNA 200-120 Official Cert Guide Library is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. Companion DVDs The DVDs contain two ICND1 practice exams, two

*Page 113/422*

ICND2 practice exams,  
four full CCNA practice  
exams, CCENT and  
CCNA Network  
Simulator Lite software,  
and 150 minutes of video  
training.

This is the eBook version  
of the print title. Note  
that the eBook does not  
provide access to the  
practice test software that  
accompanies the print  
book. Trust the best

*Page 114/422*

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 the CCNP® SWITCH 642-813 exam with this official study

*Page 115/422*

guide Assess your  
knowledge with chapter-  
opening quizzes Review  
key concepts with Exam  
Preparation Tasks CCNP  
SWITCH 642-813  
Official Certification  
Guide is a best-of-breed  
Cisco® exam study  
guide that focuses  
specifically on the  
objectives for the  
CCNP® SWITCH  
exam. Network architect

*Page 116/422*

*ccie-route-official-certification*

and best-selling author Dave Hucaby shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills.

Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics.

**CCNP SWITCH**

*Page 117/422*

642-813 Official  
Certification Guide  
presents you with an  
organized test  
preparation routine  
through the use of  
proven series elements  
and techniques. “ Do I  
Know This Already? ”  
quizzes open each  
chapter and allow you to  
decide how much time  
you need to spend on  
each section. The

*Page 118/422*

complete exam topic list  
makes referencing easy.  
Chapter-ending Exam  
Preparation Tasks  
sections help drill you on  
key concepts and  
commands you must  
know thoroughly. Well  
regarded for its level of  
detail, assessment  
features, and challenging  
review questions and  
exercises, this official  
study guide helps you

*Page 119/422*

master the concepts and techniques that will enable you to succeed on the exam the first time.

**CCNP SWITCH**

**642-813 Official**

**Certification Guide is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from**

*Page 120/422*



Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining). This official study guide helps you master all the topics on the CCNP SWITCH exam, including Network design, implementation,

*Page 121/422*

and verification plans  
Switch operation and  
port configuration  
VLANs, trunks, and  
VLAN Trunking  
Protocol (VTP)  
Aggregating switch links  
Spanning Tree Protocol  
(STP) Multilayer  
switching Enterprise  
campus network design  
Router and supervisor  
redundancy IP telephony  
Wireless LANs Switched

network security 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 weaknesses, concentrate their study

*Page 123/422*

efforts, and enhance their confidence as exam day nears.

Exam 37 Cert Guide  
CCNP Routing and  
Switching SWITCH  
300-115 Official Cert  
Guide

CCNP and CCIE Data  
Center Core DCCOR  
350-601 Official Cert  
Guide

CCENT/CCNA ICND1  
640-822 Official Cert

*Page 124/422*

Guide  
CCNP Routing and  
Switching Official  
Certification Library  
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 CCNP  
SWITCH 300-115  
exam topics Assess  
your knowledge with  
chapter-opening

*Page 126/422*

quizzes Review key  
concepts with exam  
preparation tasks  
This is the eBook  
edition of the CCNP  
Routing and  
Switching SWITCH  
300-115 Official  
Cert Guide. This  
eBook does not  
include the  
companion CD-

*Page 127/422*

ROM with practice exam that comes with the print edition. CCNP Routing and Switching SWITCH 300-115 Official Cert Guide from Cisco Press enables you to succeed on the exam the first time and is the only

*Page 128/422*



self-study resource  
approved by Cisco.  
Expert engineer  
David Hucaby  
shares preparation  
hints and test-taking  
tips, helping you  
identify areas of  
weakness and  
improve both your  
conceptual  
knowledge and

*Page 129/422*

hands-on skills. This complete, official study package includes A test-preparation routine proven to help you pass the exam Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on

*Page 130/422*

each section Chapter-  
ending exercises,  
which help you drill  
on key concepts you  
must know  
thoroughly The  
powerful Pearson IT  
Certification  
Practice Test  
software, complete  
with hundreds of  
well-reviewed, exam-

*Page 131/422*

realistic questions,  
customization  
options, and detailed  
performance reports  
More than 60  
minutes of personal  
video mentoring  
from the author on  
important exam  
topics A final  
preparation chapter,  
which guides you

*Page 132/422*

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,

*Page 133/422*

study plans,  
assessment features,  
challenging review  
questions and  
exercises, this  
official study guide  
helps you master the  
concepts and  
techniques that  
ensure your exam  
success. CCNP  
Routing and

*Page 134/422*

Switching SWITCH  
300-115 Official  
Cert Guide is part of  
a recommended  
learning path from  
Cisco that includes  
simulation and hands-  
on training from  
authorized Cisco  
Learning Partners  
and self-study  
products from Cisco

*Page 135/422*

Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com](http://www.cisco.com). The official study guide

*Page 136/422*



helps you master  
topics on the CCNP  
R&S SWITCH  
300-115 exam,  
including: Enterprise  
campus design  
Switch operation  
Switch port  
configuration  
VLANs, Trunks, and  
VLAN Trunking  
Protocol (VTP)

*Page 137/422*

Spanning Tree  
Protocol (STP),  
RSTP, and MSTP  
Protecting the STP  
topology  
Aggregating switch  
links Multilayer  
switching  
Configuring DHCP  
Logging switch  
activity and  
managing switches

*Page 138/422*

with SNMP  
Monitoring  
performance and  
traffic High  
availability Securing  
switched networks  
The CCNP Security  
Core SCOR 300-701  
Official Cert Guide  
serves as  
comprehensive  
guide for individuals

*Page 139/422*

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 threats and

*Page 140/422*

vulnerabilities to networks, and mitigate security threats. Complete and easy to understand, it explains key concepts and techniques through real-life examples. This book will be valuable to any

*Page 141/422*

individual that wants to learn about modern cybersecurity concepts and frameworks.

Trust the best-selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam

*Page 142/422*

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 CCNP TSHOOT 300-135 exam topics Assess

*Page 143/422*

your knowledge with  
chapter-opening  
quizzes Review key  
concepts with exam  
preparation tasks  
This is the eBook  
edition of the CCNP  
Routing and  
Switching TSHOOT  
300-135 Official  
Cert Guide. This  
eBook does not

*Page 144/422*



include the companion CD-ROM with practice exam that comes with the print edition. CCNP Routing and Switching TSHOOT 300-115 Official Cert Guide from Cisco Press enables you to succeed on

*Page 145/422*

the exam the first time and is the only self-study resource approved by Cisco. Expert instructor Raymond Lacoste shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your

*Page 146/422*

conceptual  
knowledge and  
hands-on skills. This  
complete, official  
study package  
includes A test-  
preparation routine  
proven to help you  
pass the exam Do I  
Know This Already?  
quizzes, which  
enable you to decide

*Page 147/422*

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 trouble ticket chapter that explores 10 additional network failures and the

*Page 148/422*

approaches you can  
take to resolve the  
issues presented 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

*Page 149/422*

templates to help  
you organize and  
optimize your study  
time Well regarded  
for its level of detail,  
study plans,  
assessment features,  
challenging review  
questions and  
exercises, this  
official study guide  
helps you master the

*Page 150/422*

concepts and techniques that ensure your exam success. CCNP Routing and Switching TSHOOT 300-115 Official Cert Guide is part of a recommended learning path from Cisco that includes simulation and hands-

*Page 151/422*

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

*Page 152/422*



Learning Partners  
worldwide, please  
visit  
[www.cisco.com](http://www.cisco.com). The  
official study guide  
helps you master  
topics on the CCNP  
R&S TSHOOT  
300-135 exam,  
including how to  
troubleshoot: Device  
performance

*Page 153/422*

VLANs, Trunks, and  
VTP STP and Layer  
2 Etherchannel Inter-  
VLAN routing and  
Layer 3  
Etherchannel Switch  
security HSRP,  
VRRP, GLBP IPv4  
and IPv6 addressing  
IPv4/IPv6 routing  
and GRE tunnels  
RIPv2, RIPv6,

*Page 154/422*

EIGRP, and OSPF  
Route maps, policy-  
based routing, and  
route redistribution  
BGP Management  
protocols, tools, and  
access

Cisco Press is the  
official publisher for  
the New CCENT  
Certification. The  
New Edition of this

*Page 155/422*

Best-Selling Official  
Cert Guide includes  
Updated Content,  
New Exercises, 400  
Practice Questions,  
and 90 Minutes of  
Video Training --  
PLUS the CCENT  
Network Simulator  
Lite Edition with lab  
exercises. The  
CCENT

*Page 156/422*

Certification is now  
the only prerequisite  
for the CCNA  
Routing and  
Switching, CCNA  
Voice, CCNA  
Wireless, CCNA  
Security and CCDA  
Certifications. Cisco  
CCENT/CCNA  
ICND1 100-101  
Official Cert Guide

*Page 157/422*

from Cisco Press  
enables you to  
succeed on the exam  
the first time. Best-  
selling author and  
expert instructor  
Wendell Odom  
shares preparation  
hints and test-taking  
tips, helping you  
identify areas of  
weakness and

*Page 158/422*

improve both your  
conceptual  
knowledge and  
hands-on skills. This  
complete study  
package includes A  
test-preparation  
routine proven to  
help you pass the  
exam Do I Know  
This Already?  
quizzes, which

*Page 159/422*

enable you to decide how much time you need to spend on each section Chapter-ending and part-ending exercises, which help you drill on key concepts you must know thoroughly Troubleshooting sections, which help

*Page 160/422*



you master the  
complex scenarios  
you will face on the  
exam The powerful  
Pearson IT  
Certification  
Practice Test  
software, complete  
with hundreds of  
well-reviewed, exam-  
realistic questions,  
customization

*Page 161/422*

options, and detailed performance reports  
A free copy of the CCENT/CCNA ICND1 100-101 Network Simulator Lite software, complete with meaningful lab exercises that help you hone your hands-on skills with the

*Page 162/422*

command-line  
interface for routers  
and switches More  
than 90 minutes of  
video mentoring  
from the author A  
final preparation  
chapter, which  
guides you through  
tools and resources  
to help you craft  
your review and test-

*Page 163/422*

taking strategies  
Study plan  
suggestions and  
templates to help  
you organize and  
optimize your study  
time This official  
study guide helps  
you master all the  
topics on the  
CCENT/CCNA  
ICND1 exam,

*Page 164/422*

including  
Networking  
fundamentals  
Ethernet LANs and  
switches IPv4  
addressing and  
subnetting Operating  
Cisco routers  
Configuring OSPF  
ACLs and NAT  
IPv6 fundamentals  
Wendell Odom,

*Page 165/422*

CCIE® No. 1624, is the most respected author of Cisco networking books in the world. His past titles include books on the entry-level Cisco certifications (CCENT and CCNA), the more advanced CCNP, and the industry-

*Page 166/422*

renowned CCIE. His books are known for their technical depth and accuracy.

Wendell has worked as a network engineer, consultant, instructor, course developer, and book author, and he has produced videos, software, and blogs

*Page 167/422*

related to Cisco certifications. His website, with links to various study tools and resources, is at [www.certskills.com](http://www.certskills.com). Well regarded for its level of detail, study plans, assessment features, challenging review questions and



exercises, video instruction, and hands-on labs, this official study guide helps you master the concepts and techniques that ensure your exam success. Companion DVD The DVD contains more than 400 unique practice

*Page 169/422*

exam questions,  
ICND1 Network  
Simulator Lite  
software, and 90  
minutes of video  
training. Includes  
Exclusive Offer for  
70% Off Premium  
Edition eBook and  
Practice Test  
Pearson IT  
Certification

*Page 170/422*

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); 512 MB

*Page 171/422*

RAM; 650 MB disc  
space plus 50 MB  
for each downloaded  
practice exam

CCENT ICND1

Network Simulator

Lite minimum

system

requirements:

Microsoft Windows

XP (SP3), Windows

Vista (32-bit/64-bit)

*Page 172/422*

with SP1, Windows  
7 (32-bit/64-bit) or  
Windows 8  
(32-bit/64-bit, x86  
processors), Mac OS  
X 10.6, 10.7, or 10.8  
Intel Pentium III  
1GHz or faster  
processor 512 MB  
RAM (1GB  
recommended) 1 GB  
hard disk space

*Page 173/422*

32-bit color depth at  
1024x768 resolution  
Adobe Acrobat  
Reader version 8 and  
above Other  
applications installed  
during installation:  
Adobe AIR 3.6.0  
Captive JRE 6 This  
volume is part of the  
Official Cert Guide  
series from Cisco

*Page 174/422*

Press. Books in this series provide officially developed exam preparation materials that offer assessment, review, and practice to help Cisco Career Certification candidates identify weaknesses, concentrate their

*Page 175/422*

study efforts, and enhance their confidence as exam day nears. The 1 hour 14 minute presentation found at the following link was given by Wendell Odom to cover "Teaching the New CCENT ICND1 100-101 &

*Page 176/422*



CCNA ICND2  
200-101 Exam Mate  
rial."http://bit.ly/Odo  
mCCENTCCNA  
CCNA Routing and  
Switching 200-125  
Official Cert Guide  
Library  
CCNA 200-301  
Official Cert Guide  
Library  
Implementing and

*Page 177/422*

Operating Cisco  
Security Core  
Technologies  
Bridging the Gap  
Between CCNP and  
CCIE  
Cisco  
CCENT/CCNA  
ICND1 OCG Aca  
CCIE Routing and  
Switching v5.0  
Official Cert Guide

*Page 178/422*

*ccie-route-official-certification*

Library, Fifth Edition  
Assessment, review,  
and practice package  
for the CCIE R&S  
v5.0 exams Includes  
CCIE Routing and  
Switching v5.0  
Official Cert Guide,  
Volume 1, Fifth  
Edition, and CCIE  
Routing and  
Switching v5.0  
Official Cert Guide,  
*Page 179/422*

Volume 2, Fifth Edition. This is the eBook version of the print title. The eBook edition does not provide access to the test engine software or the practice tests that accompany the print book. These official study guides help you master all the topics on the CCIE R&S

*Page 180/422*

v5.0 exams, including  
Virtual LANs and  
VLAN Trunking  
Spanning Tree  
Protocol (STP) IP  
services (ARP, NTP,  
DHCP, NAT, SNMP,  
NetFlow, and more)  
RIPv2 and RIPv3  
EIGRP OSPFv2 and  
v3 IS-IS Route  
redistribution, route  
summarization,

*Page 181/422*

default routing, and  
performance routing  
BGP operations and  
routing policies QoS  
WANs IP Multicast  
Device and network  
security and tunneling  
technologies MPLS  
CCIE Routing and  
Switching v5.0  
Official Cert Guide  
Library, Fifth Edition  
from Cisco Press

*Page 182/422*

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 Pal ú ch, and Terry Vinson share preparation hints and

*Page 183/422*

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 networking, and IP  
IGP routing topics.

The second volume  
covers IP BGP  
routing, quality of

*Page 184/422*



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

*Page 185/422*

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 exercises,  
which help you drill  
on key concepts you  
must know thoroughly  
A final preparation

*Page 186/422*

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

*Page 187/422*

review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. CCIE Routing and Switching v5.0 Official Cert Guide Library, Fifth Edition is part of a recommended

*Page 188/422*

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

*Page 189/422*

Learning Partners  
worldwide, please visit  
[www.cisco.com](http://www.cisco.com). This  
volume is part of the  
Official Cert Guide  
series from Cisco  
Press. Books in this  
series provide officially  
developed exam  
preparation materials  
that offer assessment,  
review, and practice to  
help Cisco Career

*Page 190/422*

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

CCIE-level Cisco routing and switching guide for every CCNP  
Preparing for the  
CCIE Routing and

*Page 191/422*

Switching lab exam typically involves deep and lengthy study. But if you already possess the Cisco CCNP Routing and Switching certification, you already know much of what you ' ll need to succeed on CCIE ' s labs. This book will help you quickly

*Page 192/422*



bridge your remaining knowledge gaps and make the most of everything you already know. CCIE Routing and Switching v5.1 Foundations addresses every segment of the CCIE R&S Version 5 blueprint, helping you focus your study where it will do the

*Page 193/422*

most good: intense hands-on practice to deepen your current knowledge and thorough explanations of theoretical topics you haven ' t yet encountered. Based on the author ' s industry-recognized CCIE prep classes, it includes 40+ detailed labs for real gear and

*Page 194/422*

platform emulators;  
structured illustrations  
of protocol and  
feature operation; and  
topic-specific labs to  
drive the theory home.  
It includes a full lab  
walkthrough of a  
complex configuration  
reflective of the actual  
CCIE – ensuring that  
you thoroughly  
understand the

*Page 195/422*

technologies and interactions you ' re reading about.

Discover the physical topology for any network deployment  
Master Spanning Tree Protocol (STP) foundations and advanced features  
Deploy and optimize PPP and use its full set of capabilities

*Page 196/422*

Implement Dynamic Multipoint VPNs (DMVPNs) from start to finish Use IP Prefix lists in prefix filtration, packet filtering, and other applications Handle any RIPv2 deployment scenario n Implement EIGRP, including classical and named operation modes and

*Page 197/422*

interoperation Use  
advanced OSPF  
techniques, including  
route filtration, LSA  
operation, stub  
configurations, and  
update filtering  
Understand what  
happens when you  
perform  
redistribution, and  
manage problematic  
scenarios Manage

*Page 198/422*

complex BGP  
capabilities, including  
Adjacency State  
Machine Operate  
IPv6 in complex  
network  
environments,  
including DMVPN  
Focus on QoS  
mechanisms that  
CCIE still covers,  
including traffic  
marking, classification,

*Page 199/422*

policing, and shaping  
Deploy IPsec VPN  
solutions including  
GRE / IPSec tunnel  
mode, multi-site VPN  
technologies, and their  
encryption Implement  
multicasting in  
environments  
requiring end-to-end  
IPv4 and IPv6  
transport Address  
operational and

*Page 200/422*



deployment issues  
involving MPLS  
VPNv4 tunnels  
This is the only official  
Cisco Systems-  
endorsed study guide  
for the CCIE Routing  
and Switching exam.  
The CD-ROM  
customizable test  
engine contains  
unique practice  
questions and a full

*Page 201/422*

electronic version of  
the text.

The Publisher regrets  
that the CD/DVD  
content for this title  
cannot be made  
available Online.

Cisco Press is the  
official publisher for  
the New CCNA  
Routing and  
Switching  
Certification. The

*Page 202/422*

New Edition of this  
Best-Selling Official  
Cert Guide includes  
Updated Content,  
New Exercises,  
Enhanced Practice  
Exams, and 60  
Minutes of Video  
Training -- PLUS the  
CCNA Network  
Simulator Lite Edition  
with lab exercises.

Cisco CCNA Routing

*Page 203/422*

and Switching ICND2  
200-101 Official Cert  
Guide from Cisco  
Press enables you to  
succeed on the exam  
the first time. Best-  
selling author and  
expert instructor  
Wendell Odom shares  
preparation hints and  
test-taking tips,  
helping you identify  
areas of weakness and

*Page 204/422*

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

*Page 205/422*

each section Chapter-  
ending and part-  
ending exercises,  
which help you drill  
on key concepts you  
must know thoroughly  
Troubleshooting  
sections, which help  
you master the  
complex scenarios you  
will face on the exam  
The powerful Pearson  
IT Certification

*Page 206/422*

Practice Test software,  
complete with  
hundreds of well-  
reviewed, exam-  
realistic questions,  
customization options,  
and detailed  
performance reports A  
free copy of the  
CCNA ICND2  
200-101 Network  
Simulator Lite  
software, complete

*Page 207/422*

with meaningful lab exercises that help you hone your hands-on skills with the command-line interface for routers and switches More than 60 minutes of video mentoring from the author A final preparation chapter, which guides you through tools and

*Page 208/422*



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 The official study  
guide helps you  
master all the topics  
on the CCNA exam,  
including Spanning  
Tree Protocol (STP)

*Page 209/422*

Troubleshooting LAN  
switching IPv4 routing  
VPNs OSPF and  
EIGRP configuration  
and troubleshooting  
Wide area networks  
and Frame Relay IPv6  
implementation and  
troubleshooting  
Network management  
Well regarded for its  
level of detail, study  
plans, assessment

*Page 210/422*

features, challenging review questions and exercises, video instruction, and hands-on labs, this official study guide helps you master the concepts and techniques that ensure your exam success. This volume is part of the Official Cert Guide series from Cisco Press.

*Page 211/422*

Books in this series  
provide of ...  
CCIE Routing and  
Switching Exam  
Certification Guide  
Cisco  
CCENT / CCNA  
ICND1 100-101  
Official Cert Guide  
Cisco CCNA Routing  
and Switching  
200-120 Official Cert  
Guide Library

*Page 212/422*

Exa 21 Of Cer Gui  
ePub\_5  
Cisco CCNA Routing  
and Switching ICND  
200-101  
CCNP Enterprise Core  
ENCOR 300-401  
Official Cert Guide is a  
comprehensive self-  
study tool for preparing  
for the new ENCOR  
exam. Complete  
coverage of all exam

topics as posted on the exam topic blueprint ensures students will arrive at a thorough understanding of what they need to master to succeed on the exam. The book follows a logical organization of the ENCOR exam objectives. Material is presented in a concise manner, focusing on increasing readers'

*Page 214/422*

retention and recall of exam topics. Readers will organize their exam preparation through the use of the consistent features in these chapters. Pre-chapter quiz - These quizzes allow readers to assess their knowledge of the chapter content and decide how much time to spend on any given section. Foundation

*Page 215/422*

Topics - These sections make up the majority of the page count, explaining concepts, configurations, with emphasis on the theory and concepts, and with linking the theory to the meaning of the configuration commands. Key Topics - Inside the Foundation Topics sections, every figure, table, or list that

*Page 216/422*



should absolutely be understood and remembered for the exam is noted with the words "Key Topic" in the margin. This tool allows the reader to quickly review the most important details in each chapter. Exam Preparation - This ending section of each chapter includes three additional features for

*Page 217/422*

review and study, all designed to help the reader remember the details as well as to get more depth. Readers will be instructed to review key topics from the chapter, complete tables and lists from memory, and define key terms. Final Preparation Chapter-- This final chapter details a set of tools and a study plan to

*Page 218/422*

help readers complete their preparation for the exams. Assessment, review, and practice for the CCNP ENCOR exam Revised edition of the #1 selling CCNP preparation self-study guide Book content is fully updated to align to the new CCNP ENCOR exam objectives Book and online materials are

*Page 219/422*

packed with features to help candidates master difficult testing methods on actual exams

Practice tests contain exam-realistic questions that closely mimic the difficulty of the actual exam. In-depth expert explanations of all protocols, commands, and technologies on the ENCOR exam

Trust the best-selling

*Page 220/422*

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 CCNP ROUTE 300-101 exam topics

*Page 221/422*

--Assess your knowledge with chapter-opening quizzes --Review key concepts with exam preparation tasks This is the eBook edition of the CCNP Routing and Switching ROUTE 300-101 Official Cert Guide. This eBook does not include the companion CD-ROM with practice exam that comes with the print

*Page 222/422*

edition. CCNP Routing and Switching ROUTE 300-101 Official Cert Guide from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. Expert instructor and best-selling author Kevin Wallace shares preparation hints and test-taking tips, helping

*Page 223/422*

you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete, official study package includes --A test-preparation routine proven to help you pass the exam --"Do I Know This Already?" quizzes, which enable you to decide how much time you need to spend on

*Page 224/422*



each section --Chapter-  
ending exercises, which  
help you drill on key  
concepts you must know  
thoroughly --The  
powerful Pearson IT  
Certification Practice  
Test software, complete  
with hundreds of well-  
reviewed, exam-realistic  
questions, customization  
options, and detailed  
performance reports  
--More than 60 minutes

*Page 225/422*

of personal video mentoring from the author on important exam topics --A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies --Study plan suggestions and templates to help you organize and optimize your study

*Page 226/422*

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

CCNP Routing and Switching ROUTE 300-101 Official Cert Guide is part of a

*Page 227/422*

recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners

*Page 228/422*

worldwide, please visit [www.cisco.com](http://www.cisco.com). The official study guide helps you master topics on the CCNP R&S ROUTE 300-101 exam, including --Routing protocol characteristics and virtual routers --Remote site connectivity --IPv6 routing and RIPng --EIGRP, OSPFv2, and OSPFv3 --IGP

*Page 229/422*

redistribution and route  
selection --eBGP and  
iBGP --IPv6 Internet  
connectivity --Router  
security --Routing  
protocol authentication  
CCNP and CCIE  
Collaboration Core  
CLCOR 350-801  
Official Cert Guide  
presents you with an  
organised test  
preparation routine  
through the use of

*Page 230/422*

proven series elements and techniques. Do I Know This Already? quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know

*Page 231/422*

thoroughly. CCNP and CCIE Collaboration Core CLCOR 350-801 Official Cert Guide focuses specifically on the objectives for the Cisco CCNP/CCIE CLCOR 350-801 exam. Collaboration expert Jason Ball shares preparation hints and test-taking tips, helping you identify areas of weakness and improve

*Page 232/422*



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 Do I Know This Already? quizzes,

*Page 233/422*

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 Practice  
exercises that help you  
enhance your  
knowledge More than  
60 minutes of video  
mentoring from the

*Page 234/422*

author An online  
interactive Flash Cards  
application to help you  
drill on Key Terms by  
chapter A final  
preparation chapter,  
which guides you  
through tools and  
resources to help you  
craft your review and  
test-taking strategies  
Study plan suggestions  
and templates to help  
you organise and

*Page 235/422*

optimise your study time  
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

*Page 236/422*

CCNA 200-301 exam topics · Assess your knowledge with chapter-opening quizzes · Review key concepts with exam preparation tasks · Practice with realistic exam questions in the practice test software This is the eBook edition of the CCNA 200-301 Official Cert Guide, Volume 1. This eBook, combined

*Page 237/422*

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

*Page 238/422*

using proven series elements and techniques. “ Do I Know This Already? ” quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key

*Page 239/422*

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

*Page 240/422*



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

*Page 241/422*

section . Chapter-ending and part-ending exercises, which help you drill on key concepts you must know thoroughly . The powerful Pearson Test Prep Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports .

*Page 242/422*

A free copy of the  
CCNA 200-301 Volume  
1 Network Simulator  
Lite software, complete  
with meaningful lab  
exercises that help you  
hone your hands-on  
skills with the command-  
line interface for routers  
and switches · Links to  
a series of hands-on  
config labs developed by  
the author · Online,  
interactive practice

*Page 243/422*

exercises that help you hone your knowledge · More than 90 minutes of video mentoring from the author · A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies · Study plan suggestions and templates to help you organize and

*Page 244/422*

optimize your study time Well regarded for its level of detail, study plans, assessment features, challenging review questions and exercises, video instruction, and hands-on labs, this official study guide helps you master the concepts and techniques that ensure your exam success. The CCNA 200-301 Official

*Page 245/422*

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

Topics covered in Volume 1 include: .

Networking fundamentals .

Implementing Ethernet LANs . Implementing VLANs and STP .

*Page 246/422*

IPv4 addressing · IPv4 routing · OSPF ·

IPv6 · Wireless LANs

Companion Website:

The companion website contains the CCNA

Network Simulator Lite software, online practice exercises, study

resources, and 90

minutes of video

training. In addition to

the wealth of updated

content, this new edition

*Page 247/422*

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.

*Page 248/422*



This software, which simulates the experience of working on actual Cisco routers and switches, contains the following 21 free lab exercises, covering topics in Part II and Part III, the first hands-on configuration sections of the book: 1. Configuring Local Usernames 2. Configuring Hostnames

*Page 249/422*

3. Interface Status I 4.  
Interface Status II 5.  
Interface Status III 6.  
Interface Status IV 7.  
Configuring Switch IP  
Settings 8. Switch IP  
Address 9. Switch IP  
Connectivity I 10.  
Switch CLI  
Configuration Process I  
11. Switch CLI  
Configuration Process II  
12. Switch CLI Exec  
Mode 13. Setting Switch

Passwords 14. Interface  
Settings I 15. Interface  
Settings II 16. Interface  
Settings III 17. Switch  
Forwarding I 18. Switch  
Security I 19. Switch  
Interfaces and  
Forwarding  
Configuration Scenario  
20. Configuring VLANs  
Configuration Scenario  
21. VLAN  
Troubleshooting  
Pearson Test Prep

*Page 251/422*

online system  
requirements: Browsers:  
Chrome version 73 and  
above; Safari 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

*Page 252/422*

Prep offline system requirements: Windows 10, Windows 8.1; Microsoft .NET Framework 4.5 Client; Pentium-class 1 GHz processor (or equivalent); 512 MB RAM; 650 MB disk space plus 50 MB for each downloaded practice exam; access to the Internet to register and download exam

*Page 253/422*

databases

CCNP and CCIE

Enterprise Core

ENCOR 300-401

CCENT / CCNA

ICND1 100-105 Official

Cert Guide, Academic

Edition

CCNA Routing and

Switching ICND2

200-105 Official Cert

Guide

CCNP Routing and

Switching ROUTE

*Page 254/422*

## 300-101 Official Cert Guide

## Ccnp Route 642-902 Official Certification Guide

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book.

Cisco Press has the only  
self-study guides

*Page 255/422*

approved by Cisco for the new CCENT and CCNA Routing and Switching certifications. The new edition of the best-selling two-book value priced CCNA Official Cert Guide Library includes updated content, new online practice exercises, more than 600 practice exam questions, and more

*Page 256/422*



than 2 hours of video training, plus the CCENT and CCNA Network Simulator Lite Editions with 43 free Network Simulator labs. CCNA Routing and Switching 200-125 Official Cert Guide Library is a comprehensive review and practice package for the latest CCNA exams and is the only self-study

*Page 257/422*

resource approved by Cisco. The two books contained in this package,  
**CCENT / CCNA  
ICND1 100-105 Official  
Cert Guide and CCNA  
Routing and Switching  
ICND2 200-105 Official  
Cert Guide**, present complete reviews and more challenging and realistic preparation experiences. The books

*Page 258/422*

have been fully updated to refresh the content for the latest CCNA exam topics and to enhance certain key topics that are critical for exam success. Best-selling author and expert instructor Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness and improve

*Page 259/422*

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

*Page 260/422*

exercises, which help you drill on key concepts you must know thoroughly .

Troubleshooting sections, which help you master the complex scenarios you will face on the exam . The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic

*Page 261/422*

questions, customization options, and detailed performance reports .

A free copy of the

CCNA ICND1 and

ICND2 Network

Simulator Lite software,

complete with

meaningful lab exercises

that help you hone your

hands-on skills with the

command-line interface

for routers and switches

- Links to a series of

*Page 262/422*

hands-on config labs  
developed by the author

- Online interactive practice exercises that help you hone your knowledge
- More than 2 hours of video mentoring from the author
- A final preparation chapter, which guides you through tools and resources to help you craft your review and

*Page 263/422*

test-taking strategies -  
Study plan suggestions  
and templates to help  
you organize and  
optimize your study  
time Well regarded for  
its level of detail, study  
plans, assessment  
features, challenging  
review questions and  
exercises, video  
instruction, and hands-  
on labs, these official  
study guides help you

*Page 264/422*



master the concepts and techniques that ensure your exam success. These official study guides help you master all the topics on the CCNA exams, including

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

*Page 265/422*

addressing and  
subnetting ·  
Implementing IPv4 ·  
IPv4 design and  
troubleshooting · IPv4  
services: ACLs, NAT,  
and QoS · IPv4  
routing protocols and  
routing · Wide area  
networks · IPv6 ·  
Network management,  
SDN, and cloud  
computing

Cisco Press has the only

*Page 266/422*

study guides approved by Cisco for the new CCNA certification. The new edition of the best-selling two-book, value-priced CCNA 200-301 Official Cert Guide Library includes updated content, new online practice exercises, and more than two hours of video training—PLUS the CCNA Network

*Page 267/422*

Simulator Lite Editions with 34 free Network Simulator labs (available on the companion web site). 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

*Page 268/422*

you are fully prepared for your certification exam. This book covers all exam topics on the CCNA 200-301 exam.

- Master Cisco CCNA 200-301 exam topics
- Assess your knowledge with chapter-opening quizzes
- Review key concepts with exam preparation tasks

This is the eBook edition of the CCNA 200-301 Official

*Page 269/422*

Cert Guide Library.  
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  
Library is a  
comprehensive review  
and practice package for  
the latest CCNA exam  
and is the only self-study  
resource approved by

*Page 270/422*

Cisco. The two books contained in this package, CCNA 200-301 Official Cert Guide, Volume 1 and CCNA 200-301 Official Cert Guide, Volume 2, present complete reviews and a more challenging and realistic preparation experience. The books have been fully updated to refresh the content for the latest

*Page 271/422*

CCNA exam topics and to enhance certain key topics that are critical for exam success. Best-selling author Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete study package includes

*Page 272/422*



- A test-preparation routine proven to help you pass the exams
- Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section
- Chapter-ending Key Topic tables, which help you drill on key concepts you must know thoroughly
- A free

*Page 273/422*

copy of the CCNA  
200-301 Network  
Simulator Lite software,  
complete with  
meaningful lab exercises  
that help you hone your  
hands-on skills with the  
command-line interface  
for routers and switches

- Links to a series of  
hands-on config labs  
developed by the author
- Online, interactive  
practice exercises that

*Page 274/422*

help you enhance your knowledge · More than 2 hours of video mentoring from the author · An online, interactive Flash Cards application to help you drill on Key Terms by chapter · A final preparation chapter, which guides you through tools and resources to help you craft your review and

*Page 275/422*

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

*Page 276/422*

that ensure your exam success. These official study guides help you master all the topics on the CCNA exams, including .

- Networking fundamentals .
- Implementing Ethernet LANs .
- Implementing VLANs and STP .
- IPv4 addressing and subnetting .
- IPv4 routing .

*Page 277/422*

Implementing OSPF ·  
IPv6 addressing,  
subnetting, and routing  
· Wireless LANs · IP  
Access Control Lists ·  
Security services · IP  
services · Network  
architecture · Network  
automation Companion  
Website: The  
companion website  
contains the CCNA  
Network Simulator Lite  
software, online practice

*Page 278/422*

exercises, and more than 2 hours of video training. Includes 34 free CCNA Network Simulator labs (available on the companion website):

1. Configuring Local Usernames
2. Configuring Hostnames
3. Interface Status I
4. Interface Status II
5. Interface Status III
6. Interface Status IV
- 7.

*Page 279/422*

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

*Page 280/422*



Forwarding I 18. Switch  
Security I 19. Switch  
Interfaces and  
Forwarding  
Configuration Scenario  
20. Configuring VLANs  
Configuration Scenario  
21. VLAN  
Troubleshooting  
Volume 2 1. ACL I 2.  
ACL II 3. ACL III 4.  
ACL IV 5. ACL V 6.  
ACL VI 7. ACL  
Analysis I 8. Named

*Page 281/422*

ACL I 9. Named ACL  
II 10. Named ACL III  
11. Standard ACL  
Configuration Scenario  
12. Extended ACL I  
Configuration Scenario  
13. Extended ACL II  
Configuration Scenario  
CCNA Network  
Simulator Lite System  
Requirements: Windows  
system requirements  
(minimum): Windows  
10 (32/64-bit), Windows

*Page 282/422*

8.1 (32/64-bit), or Windows 7 (32/64 bit), 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor, 1 GB RAM (32-bit) or 2 GB RAM (64-bit), 16 GB available hard disk space (32-bit) or 20 GB (64-bit), DirectX 9 graphics device with WDDM 1.0 or higher driver, Adobe Acrobat Reader version 8 and

above Mac system requirements (minimum) 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 Acrobat Reader version 8 and above CCNA 200-301 Official Cert

*Page 284/422*

Guide Library  
Companion Website  
Access interactive study  
tools on this book ' s  
companion website,  
including practice test  
software, video training,  
CCNA Network  
Simulator Lite software,  
memory table and  
config checklist review  
exercises, Key Term  
flash card application, a  
study planner, and

*Page 285/422*

more! To access the companion website, simply follow these steps: 1. Go to [www.ciscopress.com/register](http://www.ciscopress.com/register). 2. Enter the print book ISBN: (Volume 1: 9780135792735, Volume 2: 9781587147135). 3. Answer the security question to validate your purchase. 4. Go to your account page. 5. Click

*Page 286/422*

on the Registered Products tab. 6. Under the book listing, click on the Access Bonus Content link. If you have any issues accessing the companion website, you can contact our support team by going to <http://pearsonitp.echelp.org>. The second of two volumes, this is Cisco's official, complete self-

*Page 287/422*

study resource for the BGP, QoS, IP multicast, security, WANs, and MPLS areas of the new CCIE Routing and Switching 5.0 exam. Designed for experienced networking professionals, it covers every objective in these areas concisely and logically, with extensive teaching features designed to help

*Page 288/422*



retention and develop deeper insight.

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

*Page 289/422*

exam. CCNA Routing and Switching ICND2 200-105 Official Cert Guide, Academic Edition is a comprehensive textbook and study package that provides you with a detailed overview of network configuration and troubleshooting. Best-selling author and expert instructor Wendell Odom shares

*Page 290/422*

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 test-preparation routine proven to help you pass the exams
- "Do I Know This Already?" quizzes, which enable you to

*Page 291/422*

decide how much time you need to spend on each section . Chapter-ending and part-ending exercises, which help you drill on key concepts you must know thoroughly . Troubleshooting sections, which help you master the complex scenarios you will face on the exam . A free copy of the eBook

*Page 292/422*

version of the text,  
available in PDF,  
EPUB, and Mobi  
(Kindle) formats . The  
powerful Pearson IT  
Certification Practice  
Test software, complete  
with hundreds of well-  
reviewed, exam-realistic  
questions, customization  
options, and detailed  
performance reports .  
A free copy of the  
CCNA ICND2 200-105

*Page 293/422*

Network Simulator Lite software, complete with meaningful lab exercises that help you hone your hands-on skills with the command-line interface for routers and switches

- Links to a series of hands-on config labs developed by the author
- Online interactive practice exercises that help you hone your knowledge
- More

*Page 294/422*

than 50 minutes of video mentoring from the author · A final preparation chapter, which guides you through tools and resources to help you craft your review and test-taking strategies · Study plan suggestions and templates to help you organize and optimize your study time Well regarded for

*Page 295/422*

its level of detail, study plans, assessment features, challenging review questions and exercises, video instruction, and hands-on labs, this official study guide helps you master the concepts and techniques that ensure your success. This official study guide helps you master all the topics on the CCNA ICND2

*Page 296/422*



exam, including ·  
Ethernet LANs · IPv4  
routing protocols ·  
Wide area networks ·  
IPv4 services: ACLs and  
QoS · IPv4 routing  
and troubleshooting ·  
IPv6 · Network  
management, SDN, and  
cloud computing  
Companion DVD The  
DVD contains more  
than 500 unique  
practice exam questions,

*Page 297/422*

ICND2 Network Simulator Lite software, online practice exercises, and 50+ minutes of video training. Includes Exclusive Offers For Up to 70% Off Video Training and Network Simulator Software Pearson IT Certification Practice Test minimum system requirements: Windows 10, Windows

*Page 298/422*

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

*Page 299/422*

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 ICND2 200-105 Network Simulator Lite software included for free on the DVD or companion web page

*Page 300/422*

that accompanies this book. This software, which simulates the experience of working on actual Cisco routers and switches, contains the following 19 free lab exercises, covering all of the topics in Part II, the first hands-on configuration section of the book: 1. EIGRP Serial Configuration I 2. EIGRP Serial

*Page 301/422*

Configuration II 3.  
EIGRP Serial  
Configuration III 4.  
EIGRP Serial  
Configuration IV 5.  
EIGRP Serial  
Configuration V 6.  
EIGRP Serial  
Configuration VI 7.  
EIGRP Route Tuning I  
8. EIGRP Route  
Tuning II 9. EIGRP  
Route Tuning III 10.  
EIGRP Route Tuning

IV 11. EIGRP  
Neighbors I 12. EIGRP  
Neighbors II 13. EIGRP  
Neighbors III 14.  
EIGRP Auto-Summary  
Configuration Scenario  
15. EIGRP  
Configuration I  
Configuration Scenario  
16. EIGRP Metric  
Manipulation  
Configuration Scenario  
17. EIGRP Variance  
and Maximum Paths

*Page 303/422*

Configuration Scenario

18. EIGRP

Troubleshooting

Scenario 19. Path

Troubleshooting

Scenario IV If you are interested in exploring more hands-on labs and practicing configuration and troubleshooting with more router and switch commands, check out our full simulator product

*Page 304/422*



offerings at <http://www.pearsonitcertification.com/networksimulator>.

## CCNA ICND2

Network Simulator Lite  
minimum system

requirements: Windows  
(Minimum) · Windows  
10 (32/64-bit), Windows  
8.1 (32/64-bit), or  
Windows 7 (32/64-bit)

· 1 gigahertz (GHz) or  
faster 32-bit (x86) or  
64-bit (x64) processor ·

*Page 305/422*

1 gigabyte (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  
(Minimum) · OS X  
10.11, 10.10, 10.9, or  
10.8 · Intel core Duo

*Page 306/422*

1.83 GHz · 512 MB  
RAM (1 GB  
recommended) · 1.5  
GB hard disk space ·  
32-bit color depth at  
1024x768 resolution ·  
Adobe Acrobat Reader  
version 8 and above  
CCNP Route 642-902  
Official Certification  
Guide  
CCNA ICND2 640-816  
Official Cert Guide  
CCNA 200-301 Official

*Page 307/422*

Cert Guide, Volume 1  
CCNP and CCIE  
Security Core SCOR  
300-701 Official Cert  
Guide

Ccnp Collaboration  
Core Clcor 350-801  
Official Certification  
Guide

Master CCNP  
exam topics with the  
official study guides  
Assess your

*Page 308/422*

*ccie-route-official-certification*

knowledge with  
chapter-opening  
quizzes Review key  
concepts with exam  
preparation tasks  
Practice with  
realistic exam  
questions on the CD-  
ROMs CCNP  
Routing and  
Switching Official  
Certification Library

*Page 309/422*

is a comprehensive review and practice package for the three CCNP Routing and Switching exams: ROUTE, SWITCH, and TSHOOT. The three books contained in this package, CCNP ROUTE 642-902 Official Certification

*Page 310/422*

Guide, CCNP  
SWITCH 642-813  
Official Certification  
Guide, and CCNP  
TSHOOT 642-832  
Official Certification  
Guide, present  
complete reviews  
and ample  
opportunity to test  
your knowledge of  
CCNP Routing and

*Page 311/422*

Switching exam  
topics. These  
authorized CCNP  
Routing and  
Switching study  
guides are written by  
CCIE certified  
experts, bringing  
years of teaching  
and consulting  
experience together  
in an ideal test

*Page 312/422*



preparation format.  
CCNP ROUTE  
642-902 Official  
Certification Guide  
teaches you how to  
use advanced IP  
addressing and  
routing to  
implement  
enterprise-level  
router networks  
connected to LANs

*Page 313/422*

and WANs. CCNP  
SWITCH 642-813  
Official Certification  
Guide ensures that  
you have the skills  
necessary to  
implement scalable,  
multilayer switched  
networks. CCNP  
TSHOOT 642-832  
Official Certification  
Guide helps you

*Page 314/422*

master the  
troubleshooting  
methodologies, tools,  
and tasks needed to  
effectively monitor  
and maintain large  
enterprise networks.  
Each of these official  
study guides  
provides you with an  
organized test  
preparation routine

*Page 315/422*

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

*Page 316/422*

lists make referencing easy. Chapter-ending Exam Preparation Tasks sections help you drill on key concepts you must know thoroughly. The companion CD-ROMs contains a powerful testing engine that enables

*Page 317/422*

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, laying out a complete study plan

*Page 318/422*

for review. Well regarded for their level of detail, assessment features, and challenging review questions and exercises, these official study guides helps you master the concepts and techniques that will enable you to

*Page 319/422*

succeed on the  
exams the first time.  
CCNP Routing and  
Switching  
Certification Library  
is part of a  
recommended  
learning path from  
Cisco that includes  
simulation and  
hands-on training  
from authorized

*Page 320/422*



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

*Page 321/422*

visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining). These official certification guides help you master all the topics on the three CCNP Routing and Switching exams: ROUTE: EIGRP and OSPF IGP Redistribution and

*Page 322/422*

BGP Policy-based  
routing and IP  
service level  
agreement (IP SLA)  
IPv6 and IPv4/IPv6  
coexistence Routing  
over branch Internet  
connections  
SWITCH: VLANs,  
trunks, VTP, and  
STP Aggregating  
switch links

*Page 323/422*

Multilayer switching  
Router and  
supervisor  
redundancy IP  
telephony, wireless  
LANs, and security  
TSHOOT:  
Troubleshooting  
models, tools, and  
tasks Cisco IOS  
troubleshooting  
commands and

*Page 324/422*

features  
Troubleshooting  
Cisco Catalyst  
Switches and STP  
Troubleshooting  
OSPF, EIGRP,  
BGP, and route  
redistribution  
Security, IP Services,  
IP communications,  
and IPv6  
troubleshooting

*Page 325/422*

Large enterprise  
network  
troubleshooting  
Companion CD-  
ROMS The three  
companion CD-  
ROMs contain 300  
practice questions  
developed by Cisco  
Press for the CCNP  
Routing and  
Switching exams

*Page 326/422*

and delivered by the  
Boson Exam  
Environment (BEE).  
Boson's ExSim-Max  
premium practice  
exams available at  
[www.boson.com](http://www.boson.com)

This library is part of  
the Certification  
Guide Series from  
Cisco Press. Books in  
this series provide

*Page 327/422*

officially developed exam preparation materials that offer assessment, review, and practice to help Cisco Career Certification candidates identify weaknesses, concentrate their study efforts, and enhance their

*Page 328/422*



confidence as exam  
day nears. Covers:  
ROUTE exam  
642-902, SWITCH  
exam 642-813,  
TSHOOT exam  
642-832

Trust the best selling  
Official Cert Guide  
series from Cisco  
Press to help you  
learn, prepare, and

*Page 329/422*

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  
CCIE R&S v5.0

*Page 330/422*

exam topics,  
including BGP,  
QoS, WANs, IP  
multicast, security,  
and MPLS --Assess  
your knowledge with  
chapter-opening  
quizzes --Review key  
concepts with exam  
preparation tasks  
This is the eBook  
edition of the CCIE

*Page 331/422*

Routing and  
Switching v5.0  
Official Cert Guide,  
Volume 2, Fifth  
Edition. This eBook  
does not include the  
companion CD-  
ROM with practice  
exam that comes  
with the print  
edition. CCIE  
Routing and

*Page 332/422*

Switching v5.0  
Official Cert Guide,  
Volume 2, Fifth  
Edition from Cisco  
Press enables you to  
succeed on the exam  
the first time and is  
the only self-study  
resource approved  
by Cisco. Expert  
instructors Narbik  
Kocharians and

*Page 333/422*

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. This second of two volumes covers IP BGP routing, quality

*Page 334/422*

of service (QoS), wide area networks, IP multicast, network security, and Multiprotocol Label Switching (MPLS) topics. This complete study package includes --A test-preparation routine proven to help you pass the

*Page 335/422*

exams --"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

*Page 336/422*



--The powerful  
Pearson IT  
Certification  
Practice Test  
software, complete  
with hundreds of  
well-reviewed, exam-  
realistic questions,  
customization  
options, and detailed  
performance reports  
--A final preparation

*Page 337/422*

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

*Page 338/422*

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

*Page 339/422*

Routing and  
Switching v5.0  
Official Cert Guide,  
Volume 2, Fifth  
Edition is part of a  
recommended  
learning path from  
Cisco that includes  
simulation and  
hands-on training  
from authorized  
Cisco Learning

*Page 340/422*

Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com](http://www.cisco.com)

*Page 341/422*

/go/authorizedtraining. The official study guide helps you master topics on the CCIE Routing and Switching v5.0 exams, including:

- BGP operations and routing policies
- QoS --WANs --IP Multicast --Device and network security

*Page 342/422*

and tunneling  
technologies --MPLS  
The first of two  
volumes, this is  
Cisco's official,  
complete self-study  
resource for the  
LAN switching, IP  
networking, and IGP  
routing areas of the  
new CCIE Routing  
and Switching 5.0

*Page 343/422*

exam. Designed for experienced networking professionals, it covers every objective in these areas concisely and logically, with extensive teaching features designed to help develop retention and deeper

*Page 344/422*



insight.

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

*Page 345/422*

realistic exam  
questions on the CD-  
ROM CCIE  
Routing and  
Switching  
Certification Guide,  
Fourth Edition, is a  
best-of-breed  
Cisco® exam study  
guide that focuses  
specifically on the  
objectives for the

*Page 346/422*

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

*Page 347/422*

areas of weakness  
and improve both  
your conceptual  
knowledge and  
hands-on skills.

Material is presented  
in a concise manner,  
focusing on  
increasing your  
understanding and  
retention of exam  
topics. **CCIE**

*Page 348/422*

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

*Page 349/422*

Already?" quizzes open each chapter and allow you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks sections help

*Page 350/422*

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

*Page 351/422*

assessment engine also tracks your performance and provides feedback on a module-by-module basis, presenting question-by-question remediation to the text and laying out a complete study plan for review. Well regarded for its level

*Page 352/422*



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

*Page 353/422*

Routing and  
Switching  
Certification Guide,  
Fourth Edition, is  
part of a  
recommended  
learning path from  
Cisco that includes  
simulation and  
hands-on training  
from authorized  
Cisco Learning

*Page 354/422*

Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com](http://www.cisco.com)

*Page 355/422*

/go/authorizedtraining. The official study guide helps you master all the topics on the CCIE Routing and Switching written exam, including: Bridging and LAN switching IP addressing, IP services, TCP, UDP,

*Page 356/422*

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

*Page 357/422*

Companion CD-ROM The CD-ROM contains 200 practice questions for the exam. This volume is part of the Certification Guide Series from Cisco Press®. Books in this series provide officially developed exam preparation

*Page 358/422*

materials that offer assessment, review, and practice to help Cisco Career Certification candidates identify weaknesses, concentrate their study efforts, and enhance their confidence as exam day nears. Category:

*Page 359/422*

Cisco Press-Cisco  
Certification Covers:  
CCIE Routing and  
Switching written  
exam 350-001 v4.0  
Exam 39 Cert Guide  
Implementing and  
Operating Cisco  
Data Center Core  
Technologies  
CCNA Routing and  
Switching ICND2

*Page 360/422*



200-105 Official  
Cert Guide,  
Academic Edition  
Official Cert Guide  
CCNA Routing and  
Switching 200-120  
Official Cert Guide  
Library

The official self-study  
test preparation guide  
for the CCIE Routing  
and Switching written

exam.

Trust the best-selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. This book,

*Page 362/422*

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

*Page 363/422*

## 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

*Page 364/422*

and techniques. “ Do I Know This Already? ” quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. **CCNA**

*Page 365/422*

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

*Page 366/422*

knowledge and hands-on skills. This complete study package includes

- A test-preparation routine proven to help you pass the exams

- Do I Know This Already? quizzes, which enable you to decide how much time you need to spend on each section
- Chapter-ending Key Topic tables, which help you

*Page 367/422*

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,

*Page 368/422*



Volume 2 Lite software,  
complete with  
meaningful lab exercises  
that help you hone your  
hands-on skills with the  
command-line interface  
for routers and switches

- Links to a series of  
hands-on config labs  
developed by the author
- Online interactive  
practice exercises that  
help you enhance your  
knowledge

· More

*Page 369/422*

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

*Page 370/422*

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**

*Page 371/422*

Official Cert Guide,  
Volume 2, combined  
with CCNA 200-301  
Official Cert Guide,  
Volume 1, walk you  
through all the exam  
topics found in the  
Cisco 200-301 exam.  
Topics covered in  
Volume 2 include . IP  
access control lists .  
Security services . IP  
services . Network  
architecture . Network

*Page 372/422*

automation Companion  
Website: Companion  
Website: The  
companion website  
contains CCNA  
Network Simulator Lite  
software, practice  
exercises, 50 minutes of  
video training, and  
other study resources.  
See the Where Are the  
Companion Files on the  
last page of your eBook  
file for instructions on

*Page 373/422*

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

*Page 374/422*

companion website that accompanies this book. Cisco Press is the Official publisher for the New CCENT & CCNA Routing and Switching Certifications. The New Edition of the Best-Selling two-book value priced CCNA Official Cert Guide Library includes Updated Content, New Exercises, and 150 Minutes of

*Page 375/422*

Video Training -- PLUS  
the CCENT and CCNA  
Network Simulator Lite  
Editions with 26 Free  
Network Simulator  
Labs. CCNA 200-120  
Official Cert Guide  
Library is a  
comprehensive review  
and package for the  
latest CCNA exams.  
The two books  
contained in this  
package,

*Page 376/422*



CCENT / CCNA  
ICND1 100-101 Official  
Cert Guide and CCNA  
ICND2 200-101 Official  
Cert Guide, present  
complete reviews and a  
more challenging and  
realistic preparation  
experience. The books  
have been fully updated  
to refresh the content  
for the latest CCNA  
exam topics and  
enhance certain key

*Page 377/422*

topics that are critical for exam success. This is the eBook version of the print title - 2 book library . Note that the eBooks do not provide access to the practice test software that accompanies the print books. Access to the personal video mentoring and simulator lite software is available through

*Page 378/422*

product registration at Cisco Press; or see instructions in back pages of your eBooks. Best-selling author and expert instructor Wendell Odom shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete

*Page 379/422*

study package includes  
A test-preparation  
routine proven to help  
you pass the exams Do I  
Know This Already?  
quizzes, which enable  
you to decide how much  
time you need to spend  
on each section Chapter-  
ending and part-ending  
exercises, which help  
you drill on key  
concepts you must know  
thoroughly

*Page 380/422*

Troubleshooting sections, which help you master the complex scenarios you will face on the exam A free copy of the CCNA ICND1 and ICND2 Network Simulator Lite software, complete with meaningful lab exercises that help you hone your hands-on skills with the command-line interface for routers and switches

*Page 381/422*

More than 150 minutes  
of personal video  
mentoring from the  
author Final  
preparation chapters,  
which guide you  
through tools and  
resources to help you  
craft your review and  
test-taking strategies  
Study plan suggestions  
and templates to help  
you organize and  
optimize your study

*Page 382/422*

time These official study guides help you master all the topics on the CCNA exams, including: Networking fundamentals Ethernet LANs and switches IPv4 addressing and subnetting Operating Cisco routers Configuring OSPF ACLs and NAT IPv6 fundamentals, implementation, and

*Page 383/422*

troubleshooting LAN  
switching IPv4 routing  
VPNs OSPF and  
EIGRP configuration  
and troubleshooting  
Wide area networks and  
Frame Relay Network  
management Well  
regarded for its level of  
detail, study plans,  
assessment features,  
challenging review  
questions and exercises,  
video instruction, and

*Page 384/422*



hands-on labs, these official study guides help you master the concepts and techniques that ensure your exam success. Wendell Odom, CCIE No. 1624, is the most respected author of Cisco networking books in the world. His past titles include books on the entry-level Cisco certifications (CCENT and CCNA), the more

*Page 385/422*

advanced CCNP, and the industry-renowned CCIE. His books are known for their technical depth and accuracy. Wendell has worked as a network engineer, consultant, instructor, course developer, and book author, and he has produced videos, software, and blogs related to Cisco

*Page 386/422*

certifications. Includes  
26 free CCNA Network  
Simulator labs: ICND1  
1. Configuring IP  
Addresses | 2.  
Configuring IP  
Addresses II 3.  
Connected Routes 4.  
Static Routes I 5. Static  
Routes II 6. Subnet  
Zero 7. Loopback  
Interfaces 8. Subnet ID  
Calculation 9. IPv4  
Address Rejection 10.

*Page 387/422*

IPv4 Route Selection

11. Subnetting and  
Addressing

Configuration Scenario

12. Static Routing

Configuration Scenario

13. Network Discovery

Troubleshooting

Scenario ICND2

1.EIGRP Serial

Configuration I 2.

EIGRP Serial

Configuration II 3.

EIGRP Serial

*Page 388/422*

Configuration III 4.  
EIGRP Frame Relay  
Configuration I 5.  
EIGRP Frame Relay  
Configuration II 6.  
EIGRP Route Tuning I  
7. EIGRP Route  
Tuning II 8. EIGRP  
Neighbors II 9. EIGRP  
Neighbors III 10.  
EIGRP Configuration  
Scenario I 11. EIGRP  
Configuration Scenario  
II 12. EIGRP Metric

Manipulation  
Configuration Scenario  
13. Path  
Troubleshooting  
Scenario CCENT and  
CCNA Network  
Simulator Lite  
minimum system  
requirements: Microsoft  
Windows XP  
(SP2/SP3), Windows  
Vista (32-bit/64-bit)  
with SP1, Windows 7  
(32-bit/64-bit) or

*Page 390/422*

Windows 8  
(32-bit/64-bit), Mac OS  
X 10.6, 10.7, or 10.8  
Intel® Pentium® III  
1GHz or faster  
processor (Windows) or  
Intel Core™ Duo  
1.83GHz or faster  
processor (Mac) 512 MB  
RAM (1 GB  
recommended) 1.5 GB  
hard disk space 32-bit  
color depth at 1024 x  
768 resolution Adobe

*Page 391/422*

Acrobat Reader version  
8.0 or higher Other  
applications installed  
during installation:  
Adobe AIR 3.6.0  
Captive JRE 6  
CCIE Routing and  
Switching v5.0 Official  
Cert Guide, Volume 1  
Fifth Edition CCIE  
Routing and Switching  
v5.0 Official Cert  
Guide, Volume 1, Fifth  
Edition from CiscoPress

*Page 392/422*



enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. Expert instructors Narbik Kocharians and Peter Pal ú ch share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-

*Page 393/422*

on skills. This first of two volumes covers LAN switching, IP networking, and IP IGP routing topics. 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

*Page 394/422*

each section --Chapter-  
ending exercises, which  
help you drill on key  
concepts you must know  
thoroughly --The  
powerful Pearson IT  
Certification Practice  
Test software, complete  
with hundreds of well-  
reviewed, exam-realistic  
questions, customization  
options, and detailed  
performance reports --A  
final preparation

*Page 395/422*

chapter, which guides you through tools and resources to help you craft your review and test-taking strategies

- Study plan suggestions and templates to help you organize and optimize your study time

Well regarded for its level of detail, study plans, assessment features, challenging review questions and

*Page 396/422*

exercises, this official study guide helps you master the concepts and techniques that ensure your exam success.

CCIE Routing and Switching v5.0 Official Cert Guide, Volume 1, Fifth Edition is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco

*Page 397/422*

Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining). The official study guide helps you master topics on the

*Page 398/422*

CCIE Routing and Switching v5.0 exams, including --Virtual LANs and VLAN Trunking --Spanning Tree Protocol (STP) --IP services (ARP, NTP, DHCP, NAT, SNMP, NetFlow, and more) --RIPv2 and RIPv3 --EIGRP --OSPF v2 and v3 --IS-IS --Route redistribution, route summarization, default

*Page 399/422*

routing, and  
performance routing  
Companion CD-ROM  
The CD-ROM contains  
200 practice questions  
for the exam. Includes  
Exclusive Offer for 70%  
Off Premium Edition  
eBook and Practice Test  
Pearson IT Certificati ...  
CCIE Routing and  
Switching V5.0 Official  
Cert Guide  
CCIE Routing and

*Page 400/422*



Switching v5.1  
Foundations  
CCIE Routing and  
Switching v5.0 Official  
Cert Guide, Volume 2  
CCDA 640-864 Official  
Cert Guide  
CCIE Routing and  
Switching v5.0 Official  
Cert Guide Library  
This preparation  
guide offers  
complete coverage of

*Page 401/422*

*ccie-route-official-certification*

the CCNA 640-801 exam, including all INTRO and ICND topics. The CD-ROM testing engines include simulation-based questions, while network simulation software allows readers to try out lab scenarios.

*Page 402/422*

New Edition of Best  
Selling Official Cert  
Guide: Updated  
Content, New  
Exercises, and  
Expanded Coverage  
-- PLUS includes  
CCNA Network  
Simulator Lite  
Edition with 21 free  
CCNA Network  
Simulator Labs This

*Page 403/422*

is the eBook version of the print title. The eBook edition does not provide access to the DVDs that accompany the print books. ¿ The new edition of bestselling CCNA 640-802 Cert Library, Updated Third Edition by Wendell Odom is a

*Page 404/422*

comprehensive  
review and practice  
package for the latest  
CCNA exams. The  
two books contained  
in this package,  
CCENT / CCNA  
ICND1 640-822  
Official Cert Guide,  
Third Edition, and  
CCNA ICND2  
640-816 Official

*Page 405/422*

Cert Guide, Third Edition, present complete reviews and a more challenging and realistic preparation experience. The books have been refreshed to provide updated coverage of critical exam topics such as IP

*Page 406/422*

addressing,  
subnetting, TCP/IP  
and OSI networking  
models, ¿ VLSM,  
route  
summarization, and  
IP access control  
lists. ¿ Learn,  
prepare, and  
practice for exam  
success Master all  
CCNA 640-802

*Page 407/422*

exam topics with the  
official study guides  
Assess your  
knowledge with  
chapter-opening  
quizzes Review key  
concepts with exam  
preparation tasks  
Learn from 60  
minutes of video  
mentoring Apply  
concepts within

*Page 408/422*



Networking  
Simulator lab  
exercises Best-selling  
author and expert  
instructor Wendell  
Odom shares  
preparation hints  
and test-taking tips,  
helping you identify  
areas of weakness  
and improve both  
your conceptual

*Page 409/422*

knowledge and hands-on skills. The books present you with an organized test preparation routine through the use of proven series elements and techniques. “ Do I Know This Already? ” quizzes open each chapter

*Page 410/422*

and enable you to decide how much time you need to spend on each section. The master tables of exam topics makes referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must

*Page 411/422*

know thoroughly. A final preparation chapter guides you through tools and resources to help you craft your final study plan. Special troubleshooting sections help you master the complex scenarios you will face on the exam.

*Page 412/422*

Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, these official study guides help you master the concepts and techniques that will enable you to succeed on the exam

*Page 413/422*

the first time. ¿  
Wendell Odom,  
CCIE No. 1624, is  
the most respected  
author of Cisco  
networking books in  
the world. His past  
titles include books  
on the entry-level  
Cisco certifications  
(CCENT and  
CCNA), the more

*Page 414/422*

advanced CCNP,  
and the industry-  
renowned CCIE.  
His books are known  
for their technical  
depth and accuracy.  
Wendell has worked  
as a network  
engineer, consultant,  
instructor, course  
developer, and book  
author, and he has

*Page 415/422*

produced videos, software, and blogs related to Cisco certifications. His website with links to various study tools and resources is at [www.certskills.com](http://www.certskills.com).

¿ These official study guides help you master all the topics on the CCNA

*Page 416/422*



exams, including:  
TCP/IP and OSI  
networking models  
Operating Cisco  
routers and LAN  
switches Ethernet  
switch configuration  
and troubleshooting  
Virtual LANs and  
Spanning Tree  
Protocol Wireless  
LANs IP addressing

*Page 417/422*

and subnetting  
Routing protocols  
Router configuration  
and troubleshooting  
Static and connected  
routes VLSM and  
route summarization  
IP access control lists  
OSPF and EIGRP  
configuration WAN  
configuration and  
troubleshooting

*Page 418/422*

Frame Relay  
Network Security  
and VPNs NAT  
IPv6  
Troubleshooting ¿  
Includes  
CCENT / CCNA  
ICND1 640-822  
Official Cert Guide,  
Third Edition and  
CCNA ICND2  
640-816 Official

*Page 419/422*

Cert Guide, Third Edition ; This volume is part of the Official Cert Guide Series from Cisco Press. Books in this series provide officially developed exam preparation materials that offer assessment, review, and practice to help

*Page 420/422*

Cisco Career  
Certification  
candidates identify  
weaknesses,  
concentrate their  
study efforts, and  
enhance their  
confidence as exam  
day nears. ¿  
Exam 38 Cert Guide  
CCIE Routing and  
Switching Official

*Page 421/422*

Exam Certification  
Guide  
CCNA 640-802  
Official Cert  
Library, Updated