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Prepare to take the Cisco Certified Network Associate (200-301 CCNA) exam and get to grips with the essentials of networking, security, and automation

Key FeaturesSecure your future in network engineering with this intensive boot camp-style certification guideGain knowledge of the latest trends in Cisco networking and security and boost your career prospectsDesign and implement a wide range of networking technologies and services using Cisco solutions

Book Description In the dynamic technology landscape, staying on top of the latest technology trends is a must, especially if you want to build a career in network administration. Achieving CCNA 200-301 certification will validate your

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knowledge of networking concepts, and this book will help you to do just that. This exam guide focuses on the fundamentals to help you gain a high-level understanding of networking, security, IP connectivity, IP services, programmability, and automation. Starting with the functions of various networking components, you'll discover how they are used to build and improve an enterprise network. You'll then delve into configuring networking devices using a command-line interface (CLI) to provide network access, services, security, connectivity, and management. The book covers important aspects of network engineering using a variety of hands-on labs and real-world scenarios that will help you gain essential practical skills. As you make progress, this CCNA certification study guide will help you get to grips with the solutions and

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technologies that you need to implement and administer a broad range of modern networks and IT infrastructures. By the end of this book, you'll have gained the confidence to pass the Cisco CCNA 200-301 exam on the first attempt and be well-versed in a variety of network administration and security engineering solutions. What you will learn

Understand the benefits of creating an optimal network

Create and implement IP schemes in an enterprise network

Design and implement virtual local area networks (VLANs)

Administer dynamic routing protocols, network security, and automation

Get to grips with various IP services that are essential to every network

Discover how to troubleshoot networking devices

Who this book is for

This guide is for IT professionals looking to boost their network engineering and security administration career prospects.

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If you want to gain a Cisco CCNA certification and start a career as a network security professional, you'll find this book useful. Although no knowledge about Cisco technologies is expected, a basic understanding of industry-level network fundamentals will help you grasp the topics covered easily.

In this book you'll learn how to: Build a secure network using security controls
Secure network perimeters
Implement secure management and harden routers
Implement network security policies using Cisco IOS firewalls
Understand cryptographic services
Deploy IPsec virtual private networks (VPNs)
Secure networks with Cisco IOS® IPS
Protect switch infrastructures
Secure endpoint devices, storage area networks (SANs), and voice networks
WRITTEN BY A LEADING EXPERT: Eric Stewart is a self-employed network security

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contractor who finds his home in Ottawa, Canada. Eric has more than 20 years of experience in the information technology field, the last 12 years focusing primarily on Cisco® routers, switches, VPN concentrators, and security appliances. The majority of Eric's consulting work has been in the implementation of major security infrastructure initiatives and architectural reviews with the Canadian Federal Government. Eric is a certified Cisco instructor teaching Cisco CCNA, CCNP®, and CCSP® curriculum to students throughout North America and the world. informit.com/examcram
ISBN-13: 978-0-7897-3800-4 ISBN-10:
0-7897-3800-7

Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is

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if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020. Real-world expert preparation for the ICND2, with hands-on labs The CCNA ICND2 Study Guide, 3rd Edition covers 100 percent of all exam 200-105 objectives. Leading networking authority Todd Lammle provides detailed explanations and clear instruction on IP data networks, switching and routing technologies, IPv4 and IPV6 addressing,

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troubleshooting, security, and more. Dozens of hands-on labs help you gain experience with important tasks, and expert examples and insights drawn from thirty years of networking bring real-world perspective to essential CCNA skills. The Sybex interactive online learning environment provides hundreds of sample questions, a glossary of key terms, and over 100 electronic flashcards to streamline your study time and expand your resources; the pre-assessment test shows you where to focus your efforts, and the practice exam allows you test your level of understanding while there's still time to improve. The ICND2 is the final exam for the CCNA certification. With 80 percent of the Internet's routers being Cisco technology, this exam is critical for a career in networking. This guide explains everything you need to be confident on exam day. Study 100% of

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the exam objectives Get essential hands-on experience Access sample questions and flashcards Test your knowledge with a bonus practice exam Be fully prepared for the CCNA ICND2 with the Sybex advantage.

Accompanying CD-ROM contains more than 450 practice questions for the exam, memory table exercises, answer keys, and a study planner tool.

Implementing Cisco Unified
Communications Voice over IP and QoS
v8.0 (Exam 642-437)

CCNA Data Center - Introducing Cisco
Data Center Networking Study Guide
CCNA: Cisco Certified Network
Associate Study Guide
Exam 642-811

ICND1 (Exam 640-822)

PC hardware and software lab manual

This book provides coverage

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and practice questions for every exam topic in the 100-101 ICND1 exam.--From back cover.

Here's the book you need to prepare for Cisco's Secure PIX Firewall (CSPFA) and Secure VPN (CSVPN) exams. This two-in-one Study Guide provides: In-depth coverage of all exam topics Practical information on implementing Cisco's Secure PIX and Secure VPN technologies Hundreds of challenging review questions Leading-edge exam preparation software, including a test engine and electronic

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flashcards Authoritative coverage of all exam objectives, including: Secure PIX Firewall: Translations and Connections Access Control Lists and Content Filtering Object Grouping Advanced Protocol Handling Attack Guards, Intrusion Detection, and Shunning Authentication, Authorization, and Accounting Failover Cisco PIX Device Manager Enterprise PIX Firewall Management and Maintenance Firewall Services Module Secure VPN: VPN and IPSec Technology Overview VPN 3000 Concentrator Series

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Hardware Remote Access
with Pre-shared Keys and
Digital Certificates IPsec
Software Client Firewalls
Software Client Auto-
Initiation Hardware Client
Configuration Network Client
Backup and Load Balancing
Software Auto-Update
Configuring for the IPsec
Over UDP and IPsec Over
TCP\ LAN-to-LAN with Pre-
Shared Keys, NAT, and
Digital Certificates Note: CD-
ROM/DVD and other
supplementary materials are
not included as part of eBook
file.

CD-ROM (v.1) contains full

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text of the Certification guide; test engine; chapter 13 lab solutions; sample chapters from the other books.

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. The most complete guide to Cisco Catalyst(r) switch network design, operation, and configuration Master key foundation topics such as high-speed LAN technologies, LAN segmentation, bridging, the Catalyst command-line environment, and VLANs Improve the performance of

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your campus network by utilizing effective Cisco Catalyst design, configuration, and troubleshooting techniques Benefit from the most comprehensive coverage of Spanning-Tree Protocol, including invaluable information on troubleshooting common Spanning Tree problems Master trunking concepts and applications, including ISL, 802.1Q, LANE, and MPOA Understand when and how to utilize Layer 3 switching techniques for maximum effect Understand Layer 2 and Layer 3 switching

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configuration with the Catalyst 6000 family, including coverage of the powerful MSFC Native IOS Mode Cisco LAN Switching provides the most comprehensive coverage of the best methods for designing, utilizing, and deploying LAN switching devices and technologies in a modern campus network. Divided into six parts, this book takes you beyond basic switching concepts by providing an array of proven design models, practical implementation solutions, and troubleshooting strategies.

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Part I discusses important foundation issues that provide a context for the rest of the book, including Fast and Gigabit Ethernet, routing versus switching, the types of Layer 2 switching, the Catalyst command-line environment, and VLANs. Part II presents the most detailed discussion of Spanning-Tree Protocol in print, including common problems, troubleshooting, and enhancements, such as PortFast, UplinkFast, BackboneFast, and PVST+. Part III examines the critical issue of trunk connections,

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the links used to carry multiple VLANs through campus networks. Entire chapters are dedicated to LANE and MPOA. Part IV addresses advanced features, such as Layer 3 switching, VTP, and CGMP and IGMP. Part V covers real-world campus design and implementation issues, allowing you to benefit from the collective advice of many LAN switching experts. Part VI discusses issues specific to the Catalyst 6000/6500 family of switches, including the powerful Native IOS Mode of Layer 3 switching.

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Several features in Cisco LAN Switching are designed to reinforce concepts covered in the book and to help you prepare for the CCIE exam. In addition to the practical discussion of advanced switching issues, this book also contains case studies that highlight real-world design, implementation, and management issues, as well as chapter-ending review questions and exercises. This book is part of the Cisco CCIE Professional Development Series from Cisco Press, which offers expert-level instruction on

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network design, deployment, and support methodologies to help networking professionals manage complex networks and prepare for CCIE exams.

CCENT ICND1 Study Guide

CCNP: Building Scalable

Cisco Internetworks Study
Guide

Exams 642-531 and 642-541

Building Service-Aware
Networks

CCNA Voice 640-461 Official
Cert Guide

Routing TCP/IP

This Cisco-authorized, self-paced foundation learning tool for both the CCENT 100-101 and

CCNA® 200-120 exams offers a

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comprehensive overview of the diverse technologies found in modern internetworks. From routing and switching concepts to practical configuration and security, it teaches with numerous examples, illustrations, and real-world scenarios, helping you rapidly gain both expertise and confidence. This book provides you with all the knowledge you need to install, operate and troubleshoot a small enterprise branch network, including basic network security. Whether you are preparing for certification or simply want to understand basic Cisco networking, you'll find this

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guide exceptionally valuable. Topics covered include: TCP/IP models and protocols; LANs and Ethernet; running Cisco IOS; VLANs and trunks; IP addressing and subnetting; packet delivery; static and dynamic routing; DHCP and NAT; network security; WANs, IPv6, and more. This edition has been fully updated to reflect the new Cisco ICND1 100-101 exam blueprint. Content has been reorganized, simplified, and expanded to help you learn even more efficiently. New Production Network Simulation questions offer more real-world review, and new web video resources in each chapter

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walks you through many key tasks. Interconnecting Cisco Network Devices, Part 1 (ICND1) Foundation Learning Guide, Fourth Edition is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction from authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. Network functions, components, models, layers,

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topologies, and applications
LAN, Ethernet, switching,
routing, and packet delivery
concepts Network management
with Cisco IOS software and its
command-line interface VLANs
and segmentation: techniques
for optimizing performance and
flexibility Easy ways to create
efficient IP addressing and
subnetting schemes Cisco router
configuration, including static
and dynamic routing DHCP and
NAT: dynamically providing IP
addresses and handling limited
address availability Essential
network security techniques
Traffic management with Access
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technologies, and options IPv6 configuration in dynamically routed network environments Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you 're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA

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certification in the current program. Likewise, if you ' re thinking of completing the current CCENT/ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020. Complete CCENT preparation with hands-on practice and robust study aids The CCENT Study Guide, 3rd Edition offers complete conceptual and practical study tools for the Cisco Certified Entry Networking Technician exam. Written by networking expert Todd Lammle, this study guide provides everything you need to pass the CCENT with

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flying colors. 100% coverage of the all exam objectives includes detailed discussion on IP data networks, IPv4 and IPv6 addressing, switching and routing, network security, and much more. Todd draws on 30 years of experience to give you practical examples and real-world insights that go way beyond exam prep, and plenty of hands-on labs help you gain experience with important tasks. The Sybex interactive online learning tools include a pre-assessment test to show you how much you already know, two bonus ICND-1 practice exams to test your

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understanding, and hundreds of sample questions and over 100 flashcards provide quick review. The CCENT is the entry-level certification for those looking to break into the networking field. As a part of the CCNA certification process, the exam is comprehensive—and a comprehensive study guide is essential. This study guide helps you develop the skills and knowledge you need to be confident on exam day. Review all CCENT exam objectives Access online study tools and practice ICND1 exams Get hands-on experience with dozens of labs Master switching and

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routing, troubleshooting, security, and more Don't bother parsing technical references or trying to figure it out yourself. This book allows you to learn and review with networking's leading authority, with clear explanations, practical instruction, and real-world insight. When you're ready for the next step in your career, the CCENT Study Guide, 3rd Edition gets you on track to succeed on the CCENT exam.

Here's the book you need to prepare for Exam 642-501, Securing Cisco IOS Networks (SECUR). This Study Guide provides: In-depth coverage of

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every SECUR exam objective
Practical information on Cisco
security solutions Hundreds of
challenging practice questions,
in the book and on the CD
Leading-edge exam preparation
software, including a testing
engine, and electronic flashcards
Authoritative coverage of all
exam objectives, including: Basic
Cisco Router Security Advanced
AAA Security for Cisco Router
Networks Cisco Router Threat
Mitigation Cisco IOS Firewall
CBAC Configuration Cisco IOS
Firewall Authentication Proxy
Configuration Cisco IOS Firewall
IDS Configuration Building Basic
IPSec Using Cisco Routers

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Building Advanced IPsec VPNs
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Certificate Authorities
Configuring Cisco Remote
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This intensive, one-week study
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the knowledge they need to
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This certification guide is
designed to make even the most
difficult Internet-working
concepts easy to understand.
CCNA ICND2 Study Guide
Exams 642-521 and 642-511

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Exam 640-911

Building Cisco Multilayer
Switched Networks

CCENT/CCNA: ICND1 100-105
Certification Guide

The Complete One-Week
Preparation for the Cisco
Ccent/Ccna Icnd1 Exam

640-822

This book is a concise one-stop desk reference and synopsis of basic knowledge and skills for Cisco certification prep. For beginning and experienced network engineers tasked with building LAN, WAN, and data center connections,

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this book lays out clear directions for installing, configuring, and troubleshooting networks with Cisco devices. The full range of certification topics is covered, including all aspects of IOS, NX-OS, and ASA software. The emphasis throughout is on solving the real-world challenges engineers face in configuring network devices, rather than on exhaustive descriptions of hardware features. This practical desk

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companion doubles as a comprehensive overview of the basic knowledge and skills needed by CCENT, CCNA, and CCNP exam takers. It distills a comprehensive library of cheat sheets, lab configurations, and advanced commands that the authors assembled as senior network engineers for the benefit of junior engineers they train, mentor on the job, and prepare for Cisco certification exams. Prior familiarity with Cisco routing and

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switching is desirable but not necessary, as Chris Carthern, Dr. Will Wilson, Noel Rivera, and Richard Bedwell start their book with a review of the basics of configuring routers and switches. All the more advanced chapters have labs and exercises to reinforce the concepts learned. This book differentiates itself from other Cisco books on the market by approaching network security from a hacker's perspective. Not only

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does it provide network security recommendations but it teaches you how to use black-hat tools such as oclHashcat, Loki, Burp Suite, Scapy, Metasploit, and Kali to actually test the security concepts learned. Readers of Cisco Networks will learn How to configure Cisco switches, routers, and data center devices in typical corporate network architectures The skills and knowledge needed to pass Cisco CCENT, CCNA, and CCNP

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certification exams How to set up and configure at-home labs using virtual machines and lab exercises in the book to practice advanced Cisco commands How to implement networks of Cisco devices supporting WAN, LAN, and data center configurations How to implement secure network configurations and configure the Cisco ASA firewall How to use black-hat tools and network penetration techniques to test the security of your network

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The Complete One-Week Preparation for the CISCO CCENT/CCNA ICND1 Exam 640-822 provides in-depth coverage of all official CCNA/CCENT exam objectives and uses 2800 router, 1841 router, catalyst 2960 switch, and many other CISCO devices to clarify the required concepts. The book uses many highly-professional figures, exhibits, tables, configurations, and real internetworking scenarios to clarify the required concepts. It

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also provides up-to-date information on the newest catalyst 2960-S switch and 802.11n wireless technology. Author Thaar AL_Taiey highlights critical information, outlines necessary procedures, and identifies exam essentials. This preparation guide presents the concepts so that they can be grasped with understanding. After study, there is an opportunity to test their knowledge with the two thousand

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challenging, test-like questions that resemble the questions found on the exam. Question types include multiple-choice-single-answer, multiple-choice-multiple-answers, fill-in-the-blank, testlet, drag-and-drop, and simulations. The chapters are organized to offer the following information: description of chapter topics, main exposition of topics, chapter summary, commands reference, and list of the suggested learning questions. The

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Complete One-Week Preparation for the CISCO CCENT/CCNA ICND1 Exam 640-822 is an intensive, one-week study guide that provides students with all the preparation they need to excel on the CCNA/ CCENT exam. This certification guide is designed to make even the most difficult internet-working concepts easy to understand. Designed and organized for absolute beginners as well as for CISCO internetworking

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professionals. The Complete One-Week Preparation for the CISCO CCENT/CCNA ICND1 Exam 640-822 gives students the necessary foundation to overtake the CCNA/ CCENT exam with extreme confidence and post high scores. The following CISCO CCNA/CCENT topics are covered carefully in this book: Describing the operation of computer data networks Describing the required CISCO Devices for CCENT Operating CISCO Switches

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*and Routers Implementing
small switched CISCO
networks Implementing an
IP addressing scheme and
IP services to meet the
network requirements for
small and large offices
Implementing a small and
a large routed network
Managing and verifying
CISCO switches and
routers Explaining and
selecting the
appropriate
administrative tasks
required for a WLAN
Implementing and
verifying several WAN
links Identifying*

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security threats to a network and describing general methods to mitigate those threats
Describing Wireless technology.

Become familiar with ICND1 (100-105) exam objectives, and learn how to get ready for the exam
Key Features A step by step guide that will build you skills from basic concepts to completely understanding network communication
Comprehensive coverage to help you implement the knowledge you've

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gained in real-world scenarios Take practice questions and mock tests to check how prepared you are for the CCENT exam Book Description CCENT is the entry-level certification for those looking to venture into the networking world. This guide will help you stay up-to date with your networking skills. This book starts with the basics and will take you through everything essential to pass the certification exam. It extensively covers IPv4

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and IPv6 addressing, IP data networks, switching and routing, network security, and much more—all in some detail. This guide will provide real-world examples with a bunch of hands-on labs to give you immense expertise in important networking tasks, with a practical approach. Each chapter consists of practice questions to help you take up a challenge from what you have procured. This book ends with mock tests with several examples to

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help you confidently pass the certification. This Certification Guide consists of everything you need to know in order to pass the ICND 1 100-105 Exam, thus obtaining a CCENT certification. However, practicing with real switches and routers or a switch or router simulator will help you succeed. What you will learn Get to grips with the computer network concepts Understand computer network components and learn to

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create a computer network Understand switching and learn how to configure a switch Understand routing and learn how to configure a router Understand network services and the maintenance process Learn how to troubleshoot networking issues Become familiar with, and learn how to prepare for, the ICND1 100-105 exam Who this book is for If you are a Network Administrator, Network Technician, Networking professional,

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or would simply like to prepare for your CCENT certification, then this book is for you. Some basic understanding of networks and how they work would be helpful. Sufficient information will be provided to those new to this field. & Learn the troubleshooting techniques that every IT professional running a Virtual Private Network (VPN) must master & Experience real-world solutions through practice scenarios in

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*each chapter & An
essential workplace
reference guide for
every VPN management
site*

*CCNP Security Secure
642-637 Official Cert
Guide*

*Engineers' Handbook of
Routing, Switching, and
Security with IOS, NX-
OS, and ASA*

*CCSP: Securing Cisco IOS
Networks Study Guide*

*CCIE Routing and
Switching Exam*

*Certification Guide
CCNA Security Study*

Guide

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Exam 100-105

A thorough introduction to the ASR 1000 series router Building Service-Aware Networks is the insider's guide to the next-generation

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Authored by a leading Cisco® expert, this book offers practical, hands-on coverage for the entire system lifecycle, including planning, setup and configuration, migration, and day-to-day management. Muhammad Afaq Khan systematically

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introduces the ASR 1000's evolved architecture, showing how the ASR 1000 can deliver major performance and availability improvements in tomorrow's complex, collaborative, mobile, and converged network environments. Then, to help you plan your network deployments more effectively, the author walks you through realistic deployment scenarios for IP routing, IP services,

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WAN optimization services, security services, and unified communications. He presents a wide variety of realistic, easy-to-adapt configuration examples for enterprise and provider networks, including everything from command-line interface (CLI) snippets to best practices for troubleshooting. Understand tomorrow's enterprise business requirements, the demand they create for routing infrastructure, and how

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the ASR 1000 meets them
Leverage the ASR 1000's
revolutionary system
architecture to
dramatically improve
performance and
availability Select and
qualify an enterprise
edge platform for next-
generation WANs
Understand ASR 1000
series architecture,
hardware, software,
packaging, licensing,
and releases Perform
initial ASR 1000 setup
and configuration
Implement In Service
Software Upgrades (ISSU)

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Size routers for enterprise and carrier environments Consolidate multiple applications, platforms, and functions onto the ASR 1000

Troubleshoot ASR 1000 common system error messages, step by step

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Trust the best selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. CCNA Voice 640-461 Official Cert Guide presents you with an organized test preparation routine through the use of

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proven series elements and techniques. “Do I Know This Already?” quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Master Cisco CCNA Voice 640-461 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam

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preparation tasks
Practice with 200+
realistic exam questions
on the CD-ROM CCNA Voice
640-461 Official Cert
Guide focuses
specifically on the
objectives for the CCNA
Voice ICOMM exam. Senior
voice consultants and
trainers Jeremy Cioara
and Michael Valentine
share preparation hints
and test-taking tips,
helping you identify
areas of weakness and
improve both your
conceptual knowledge and
hands-on skills.

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Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The companion CD-ROM contains a powerful Pearson IT Certification Practice Test engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine also tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of

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your knowledge to help you focus your study where it is needed most. Well-regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The official study guide helps you master all the topics on the CCNA Voice

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exam, including: Voice and data convergence IP phone connections to the LAN infrastructure Cisco Unified Communications Manager Express CUCM Express IP phone configuration and voice productivity features Gateways and trunks Cisco Unity Express Smart Business Communications System UC500 series for voice CCNA Voice 640-461 Official Cert Guide is part of a recommended learning path from Cisco that includes simulation

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and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit www.cisco.com/go/authorizedtraining. The print edition of the CCNA Voice 640-461 Official Cert Guide contains two free, complete practice exam. Pearson IT

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Certification Practice
Test minimum system
requirements: Windows XP
(SP3), Windows Vista
(SP2), or Windows 7;
Microsoft .NET Framework
4.0 Client; Microsoft
SQL Server Compact 4.0;
Pentium class 1GHz
processor (or
equivalent); 512 MB RAM;
650 MB disc space plus
50 MB for each
downloaded practice exam
Also available from
Cisco Press for Cisco
CCNA Voice study is the
CCNA Voice 640-461
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unique sets of exam-realistic practice questions Tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most

New Edition of Best Selling Official Cert Guide: Updated Content, New Exercises, and Expanded Coverage -- PLUS includes CCNA Network Simulator Lite Edition This is the eBook version of the

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print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Access to the Network Simulator Lite and personal video mentoring is available through product registration at Cisco Press - or see instructions in back pages of your eBook. The new edition of bestselling CCNA ICND2 640-816 Official Cert Guide, Third Edition by Wendell Odom has been

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updated to refresh the content, add new exercises, and enhance certain topics that are key to understanding for success on the CCNA exams. Chapters on VLSM, route summarization, and IP access control lists have been completely revised. In addition the book contains new practice exercises for all three of these topics to help reinforce the concepts and increase computation speed for exam preparation. Learn,

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prepare, and practice for exam success Master CCNA ICND2 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks Learn from 60 minutes of Video mentoring Apply concepts within Network Simulator lab exercises CCNA ICND2 640-816 Official Cert Guide, Third Edition is a best of breed Cisco exam study guide. Best-selling author and expert instructor Wendell Odom shares

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preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. The master table of exam topics makes referencing easy. “Do I Know This Already?” quizzes open each chapter and enable you to decide how much

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time you need to spend on each section. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must 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. Implementing Cisco Unified Communications Voice over IP and QoS (CVOICE) Foundation

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Learning Guide
Foundation Learning for
the CCNP® Voice (CVOICE)
642-437 Exam Kevin
Wallace, CCIE® No. 7945
Implementing Cisco
Unified Communications
Voice over IP and QoS
(CVOICE) Foundation
Learning Guide is a
Cisco®-authorized, self-
paced learning tool for
CCNP Voice foundation
learning. Developed in
conjunction with the
Cisco CCNP Voice
certification team, it
covers all aspects of
planning, designing, and

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deploying Cisco VoIP networks and integrating gateways, gatekeepers, and QoS into them. Updated throughout for the new CCNP Voice (CVOICE) Version 8.0 exam (642-437), this guide teaches you how to implement and operate gateways, gatekeepers, Cisco Unified Border Element, Cisco Unified Communications Manager Express, and QoS in a voice network architecture. Coverage includes voice gateways, characteristics of VoIP

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call legs, dial plans and their implementation, basic implementation of IP phones in Cisco Unified Communications Manager Express environment, and essential information about gatekeepers and Cisco Unified Border Element. The book also provides information on voice-related QoS mechanisms that are required in Cisco Unified Communications networks. Fourteen video lab demonstrations on the accompanying CD-ROM

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

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