

# CCENT Study Guide

## Chapter 10

### Layer 2 Switching

# Ccent Study Guide Ccent Study Guide

**Todd Lammle**

A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the author's name.

## **Ccent Study Guide Ccent Study Guide:**

**CCENT ICND1 Study Guide** Todd Lammle, 2016-07-06 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 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 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 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 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

**CCENT Study Guide** Todd Lammle, 2013-07-23 The latest offering from Cisco Expert Todd Lammle for the New CCENT Certification Written by industry expert and Cisco networking guru Todd Lammle CCENT Study Guide improves on the popular Sybex Study Guide approach by providing 100 percent coverage of the ICND1 100 101 exam objectives The book contains detailed information and examples on crucial Cisco networking topics and provides practical examples and insights drawn from Todd's almost 30 years of real world experience You'll also have access to dozens of hands on labs to get the necessary experience needed to pass the exam Covers operating IP data networks Deciphers understanding switching and routing technologies Discusses troubleshooting and network security Explains working with IPv4 and IPv6 addressing In addition access is provided to a robust set of learning tools including the Sybex test engine with

hundreds of sample questions a pre assessment test ICND1 practice exams and electronic flashcards BONUS Also includes a network simulator for readers to perform all of the hands on labs included in the book and author videos CCENT/CCNA ICND1 100-105 Official Cert Guide, Academic Edition Wendell Odom,2016 CCENT CCNA ICND1 100 105 Official Cert Guide Academic Edition is a comprehensive textbook and study package for a beginner level networking course This book has been completely revised to align to Cisco s new CCENT 100 105 ICND1 exam Material is presented in a concise manner focusing on increasing student s 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 **CCENT/CCNA ICND1 100-105 Official Cert Guide** Wendell Odom,2016-05-17 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 CCENT CCNA ICND1 100 105 exam topics Assess your knowledge with chapter opening quizzes Review key concepts with exam preparation tasks This is the eBook edition of the CCENT CCNA ICND1 100 105 Official Cert Guide This eBook does not include the companion CD ROM with practice exam that comes with the print edition CCENT CCNA ICND1 100 105 Official Cert Guide presents you with an organized test preparation routine through the use of proven series elements and techniques Do I Know This Already 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 CCENT CCNA ICND1 100 105 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 selling author and expert instructor Wendell Odom shares preparation hints and test taking tips helping you identify areas of weakness and improve both your conceptual knowledge and hands on skills This complete study package includes A test preparation routine proven to help you pass the exams Do I Know This Already quizzes which enable you to decide how much time you need to spend on each section Chapter ending and part ending exercises which help you drill on key concepts you must know thoroughly Troubleshooting sections which help you master the complex scenarios you will face on the exam A free copy of the CCENT ICND1 100 105 Network Simulator Lite software complete with meaningful lab exercises that help you hone your hands on skills with the command line interface for routers and switches Links to a series of hands on config labs developed by the author Online interactive practice 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 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 This official study guide helps you master all the topics on the CCENT CCNA

ICND1 exam including Networking fundamentals Implementing basic Ethernet LANs Ethernet LANs design VLANs and troubleshooting IPv4 addressing and subnetting Implementing IPv4 IPv4 design and troubleshooting IPv4 services ACLs and NAT IPv6 Network device management Cisco CCENT/CCNA ICND1 100-101 Official Cert Guide Wendell Odom,2013 Cisco Press is the official publisher for the New CCENT Certification The New Edition of this 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 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 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 improve both your conceptual knowledge and hands on skills This complete study package includes A test preparation routine proven to help you pass the exam Do I Know This Already quizzes which enable you to decide how much time you need to spend on each section Chapter ending and part ending exercises which help you drill on key concepts you must know thoroughly Troubleshooting sections which help you master the complex scenarios you will face on the exam The powerful Pearson IT Certification Practice Test software complete with hundreds of well reviewed exam realistic questions customization options and detailed performance reports A free copy of the CCENT CCNA ICND1 100 101 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 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 optimize your study time This official study guide helps you master all the topics on the CCENT CCNA ICND1 exam including Networking fundamentals Ethernet LANs and switches IPv4 addressing and subnetting Operating Cisco routers Configuring OSPF ACLs and NAT IPv6 fundamentals 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 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 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 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 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 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 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 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 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 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 CCNA ICND2 200-101 Exam Material <http://bit.ly/OdomCCENTCCNA>

**CCENT/CCNA ICND1 100-101 Official Cert Guide** Wendell Odom, 2013-03-27 Cisco Press is the official publisher for the New CCENT Certification The New Edition of this 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 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 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 improve both your conceptual knowledge and hands on skills This complete study package includes A test preparation routine proven to help you pass the exam Do I Know This Already quizzes which enable you to decide how much time you need to spend on each section Chapter ending and part ending exercises which help you drill on key concepts you must know thoroughly Troubleshooting sections which help you master the complex scenarios you will face on the exam The powerful Pearson IT Certification Practice Test software complete with hundreds of well reviewed exam realistic questions customization options and detailed performance reports A free copy of the CCENT CCNA ICND1 100-101 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 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 optimize your study time This official study guide helps you master all the topics on the CCENT CCNA ICND1 exam including Networking fundamentals Ethernet LANs and switches IPv4 addressing and subnetting Operating Cisco routers Configuring OSPF ACLs and NAT IPv6 fundamentals 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 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 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 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 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 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 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 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 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 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 CCNA ICND2 200-101 Exam Material <http://bit.ly/OdomCCENTCCNA> [CCENT: Cisco Certified Entry Networking Technician Study Guide](#) Todd Lammle, 2011-01-11 Start your preparation for Cisco's new CCENT entry level networking certification your entry point into Cisco's popular CCNA certification track This comprehensive study guide from leading Cisco authority Todd Lammle thoroughly prepares you for the Interconnecting Cisco Networking Devices Part 1 exam 640-822 and the start of a career with pages of exam essentials real world scenarios and hands on exercises Topics include the operation of data networks how to implement both switched and routed networks and much more For Instructors Teaching supplements are available for this title [Cisco CCENT/CCNA ICND1 100-101 Official Cert Guide, Academic Edition](#) Wendell Odom, 2013 CCENT CCNA ICND1 100-101 Official Cert Guide Academic Edition is a comprehensive textbook and study 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 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 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 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 given by Wendell Odom to cover Teaching the New CCENT ICND1 100 101 CCNA ICND2 200 101 Exam Material <http://bit.ly/OdomCCENTCCNA> **CCENT Practice and Study Guide** Allan Johnson, 2013 CCENT Practice and Study Guide is designed with dozens of exercises to help you learn the concepts and configurations crucial to your success with the Interconnecting Cisco Networking Devices Part 1 ICND1 100 101 exam The author has mapped the chapters of this book to the first two Cisco Networking Academy courses in the CCNA Routing and Switching curricula Introduction to Networks and Routing and Switching Essentials These courses cover the objectives of the Cisco Certified Networking Entry Technician CCENT certification Getting your CCENT certification means that you have the knowledge and skills required to successfully install operate and troubleshoot a small branch office network As a Cisco Networking Academy student or someone taking CCENT related classes from professional training organizations or college and university level networking courses you will gain a detailed understanding of routing by successfully completing all the exercises in this book Each chapter is designed with a variety of exercises activities and scenarios to help you Review vocabulary Strengthen troubleshooting skills Boost configuration skills Reinforce concepts Research and analyze topics

*CCENT ICND1 100-105 Exam Cram* Anthony J. Sequeira, 2016-12-30 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 CCENT ICND1 100 105 Exam Cram is the perfect study guide to help you pass the 100 105 ICND1 exam providing coverage and practice questions for every exam topic The book contains an extensive set of preparation tools including topic overviews exam alerts Cram Savers Cram Quizzes chapter ending review questions author notes and tips and an extensive glossary The book also contains the extremely useful Cram Sheet tear out a collection of essential facts in an easy to review format Complementing all these great study tools is the powerful Pearson Test Prep practice test software complete with hundreds of exam realistic practice questions This assessment software offers you a wealth of customization options and reporting features allowing you to test your knowledge in study mode practice exam mode or flash card mode Covers the critical information you ll need to know to score higher on your CCENT exam Compare and contrast networking models including OSI and TCP/IP Compare and contrast various networking technologies and architectures Apply troubleshooting methodologies Master subnetting in IPv4 Understand important details of IPv6 Describe and verify key switching topics Configure Layer 2 switches including Port Security Configure and verify Inter VLAN routing Configure and verify routing Configure and verify key infrastructure services including DNS DHCP DHCP NTP and NAT Configure and verify infrastructure maintenance Configure Cisco device hardening Troubleshoot networks using key IOS tools *CCENT ICND1 100-101 Exam Cram* Michael H. Valentine, Keith Barker, 2013-12-13 Prepare for Cisco CCENT ICND1 100 101 exam success with this Cisco Exam Cram from Pearson IT



Certification a leader in IT Cisco CCENT ICND1 100 101 Exam Cram Second Edition is the perfect study guide to help you pass the Cisco ICND1 100 101 exam providing coverage and practice questions for every exam topic The book contains an extensive set of preparation tools such as exam objective mapping a self assessment section that helps you evaluate your motivations and exam readiness concise easy to read exam topic overviews Exam Alerts that highlight key concepts bullet lists and summaries for easy review Cram Savers Cram Quizzes and chapter ending practice questions that help you assess your knowledge and test your understanding Notes that indicate areas of concern or specialty training Tips to help you build a better foundation of knowledge and an extensive glossary of terms and acronyms The book also contains the extremely useful Cram Sheet that represents a collection of the most difficult to remember facts and numbers you should memorize before taking the test Covers the critical information you ll need to know to score higher on your Cisco CCENT ICND1 100 101 exam Identify the protocols that operate at specific OSI layers Learn the details of custom subnetting with IPv4 Understand and implement IPv6 Connect configure and manage Cisco routers and switches Set up security for routers and switches Create VLANs and set up switch to switch trunk links Configure verify and troubleshoot OSPFv2 and OSPFv3 Anticipate the actions a router will take Understand and use CDP for neighbor discovery Learn the detailed learning and forwarding process of both routers and switches Filter traffic from one network to another with access control lists ACLs Deploy Network Address Translation NAT and IOS router DHCP services Troubleshoot many types of network problems Mike Valentine has been in the IT field for 16 years focusing on network design and implementation He is a Cisco Certified Systems Instructor 31461 and specializes in Cisco Unified Communications instruction as well as CCNA and CCNP courses His accessible humorous and effective teaching style has demystified Cisco for hundreds of students since he began teaching in 2002 Keith Barker CCIE No 6783 R S Security is a 27 year veteran of the networking industry He currently works at CBT Nuggets His past experience includes EDS Blue Cross Paramount Pictures and KnowledgeNET and he has delivered CCIE level training for several years

**CCENT Certification All-in-One For Dummies** Glen E. Clarke, 2010-10-26 Four information packed books in one comprehensive package to help networking newcomers prepare for Cisco s CCENT certification If you re preparing for your Cisco certification your road starts with the Cisco CCENT Exam 640 822 ICND1 Cisco s entry level exam for new IT professionals This practical guide covers everything you need to know to get up to speed on routers switches and more CCENT Certification All in One For Dummies is really four books in one Networking Basics Cisco Device Basics Routing and Switching and Advanced Topics With over 600 pages of content and dozens of review questions this reference will help you ace your exam and serve as a valuable resource throughout your career Prepares entry level IT professionals and students for Cisco s Interconnecting Cisco Networking Devices Exam 640 822 the standalone test for CCENT certification and the first of two exams for CCNA certification Filled with over 600 pages of content and dozens of review questions Includes four minibooks covering Networking Basics Cisco Device Basics Routing and Switching and

Advanced Topics Features bonus files with test engine to simulate actual CCENT Certification Exam and demonstration videos to show you how to perform critical tasks you ll need to master for your test Jumpstart your networking career by earning your CCENT certification with help from For Dummies NOTE Early editions of this book were sold with a companion disk bound inside the book To download the companion files that are referenced in the text go to [booksupport.wiley.com](http://booksupport.wiley.com) and enter the book s ISBN

**CCENT/CCNA ICND1 640-822 Official Cert Guide** Wendell Odom,2011-09-29 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 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 CCENT CCNA ICND1 640 822 Official Cert Guide Third Edition by Wendell Odom has been updated to refresh the content add new exercises and enhance certain topics that are key to understanding for success on the CCENT and CCNA exams The IP addressing topics have been rewritten and re organized to mirror proven techniques to learn both the concepts and the specific pieces of the subnetting puzzle In addition the TCP IP and OSI Networking Models chapter was also completely updated and rewritten Learn prepare and practice for exam success Master CCENT CCNA ICND1 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 CCENT CCNA ICND1 640 822 Official Cert Guide Third Edition is a best of breed Cisco exam study guide 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 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 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

*CCENT/CCNA ICND1 Official Exam Certification Guide* Wendell Odom,2008 CCENT CCNA ICND1 Official Exam Certification Guide Second Edition Master ICND1 640 822 exam topics with the official study guide Assess your knowledge with chapter opening quizzes Review key concepts with Exam Preparation Tasks Practice with hundreds of exam questions on the CD ROM Wendell Odom CCIE No 1624 CCENT CCNA ICND1 Official Exam Certification Guide Second Edition is a best of breed Cisco exam study guide that focuses specifically on the objectives for the CCENT and CCNA ICND1 exam This fully updated edition presents complete reviews and a more challenging and realistic exam preparation experience Senior 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 The material is presented in a concise manner focused on increasing your

understanding of exam topics and preparing you for the numerous challenges the exams present CCENT CCNA ICND1 Official Exam Certification Guide Second 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 each section Chapter ending Exam Preparation Tasks sections help you drill on key concepts you must know thoroughly and help increase your speed in answering questions a difficult hurdle many exam candidates face on the new exams 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 The companion CD ROM contains a powerful testing engine that allows you to focus on individual topic areas or take complete timed exams The assessment engine also tracks your performance and provides feedback on a chapter by chapter basis presenting question by question remediation to the text The bonus DVD contains more than 60 minutes of personal video mentoring from the author focused mainly on bringing difficult subnetting concepts to life Well regarded for its level of detail assessment features and challenging practice questions this book provides you with more detailed information and more realistic practice exercises than any other CCNA study guide enabling you to succeed on the exam the first time CCENT CCNA ICND1 Official Exam Certification Guide Second 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 worldwide please 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 [www.skylineats.com](http://www.skylineats.com) Wendell has worked as a network engineer consultant systems engineer and instructor and course developer and has taught authorized Cisco courses for the majority of the last 14 years The official study guide helps you master all the topics on the CCENT and CCNA ICND1 exam including TCP IP and OSI networking models Operating Cisco routers and LAN switches Ethernet switch configuration and troubleshooting Wireless LANs IP addressing and subnetting Routing protocols Router configuration and troubleshooting Network Security WAN concepts and configuration Companion CD ROM The CD ROM contains an electronic copy of the book and 200 practice questions for the ICND1 and full CCNA exams including simulation and testlet questions all available in study mode and test mode BONUS DVD The DVD contains more than 60 minutes of personal instruction from the author This volume is part of the Exam 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 efforts and enhance their confidence as exam day nears Category Cisco Press Cisco Certification Covers CCENT and CCNA ICND1 Exam 640 822 **31 Days Before Your CCENT Certification Exam** Allan Johnson,2013-10-10 This updated edition breaks down key exam topics into 31 daily review

sessions using short summaries lists tables examples and graphics A Study Resources section provides users with a quick reference for locating more in depth treatment of a day s topics within the relevant Foundational and Supplemental resources

**Cisco CCENT ICND1 100-101 Official Cert Guide and Simulator Library** Wendell Odom, Sean Wilkins, 2013-10-18 This one of a kind package brings together everything you ll need to thoroughly prepare for your Cisco CCENT certification exam For one discount price you get Cisco CCENT CCNA ICND1 100 101 Official Cert Guide the definitive Cisco Press exam prep guide plus the state of the art Cisco CCENT ICND1 100 101 Network Simulator for all the hands on practice you ll ever need Together these outstanding study resources help you systematically prepare for every CCENT exam topic In the book Cisco CCENT CCNA ICND1 100 101 Official Cert Guide bestselling author and expert instructor Wendell Odom shares preparation hints and test taking tips helping you identify areas of weakness and improve both your conceptual knowledge and hands on skills This complete study package includes A test preparation routine proven to help you pass the exams Do I Know This Already quizzes which enable you to decide how much time you need to spend on each section Chapter ending and part ending exercises which help you drill on key concepts you must know thoroughly Troubleshooting sections which help you master the complex scenarios you will face on the exam The powerful Pearson IT Certification Practice Test software complete with hundreds of well reviewed exam realistic questions customization options and detailed performance reports More than 90 minutes of personal 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 Cisco CCENT ICND1 100 101 Network Simulator helps you develop and improve hands on configuration and troubleshooting skills without the investment in expensive lab hardware This state of the art interactive simulation software enables you to practice your networking skills with more than 250 structured labs designed to help you learn by doing the most effective method of learning Topics covered include router and switch navigation and administration Ethernet LAN switches VLANs and trunking IPv4 and IPv6 addressing and subnetting operating Cisco routers learning IPv4 routes with OSPFv2 configuring and verifying host connectivity subnet design VLSM route summarization IPv4 Access Control Lists ACL Network Address Translation NAT IPv6 routing and network troubleshooting Experience realistic network device responses as you perform each lab which include detailed instructions topology diagrams critical thinking questions hints and answers Working through the labs you will quickly become proficient with all the common Cisco IOS version 15 router and switch commands on the CCENT exam Choose from more than 250 labs organized by lab type or by topic Track your progress with the lab status indicator and use the new search feature to search for commands and keywords Review lab objectives and step by step instructions within each lab opening hints and tips sections that help you when you get stuck Record your observations on device performance in interactive tables Enter answers to critical thinking questions and get instant feedback to verify your work Access

performance reports in this easy to navigate grade history screen which store all your attempts on each lab View device configuration details lab question performance time to complete each lab and CLI activity for each device in every lab Export lab results to PDF files for easy sharing Unlike other simulators on the market the lab scenarios included in the Cisco CCENT ICND1 100 101 Network Simulator are far more complex challenging you to learn how to perform real world network configuration and troubleshooting tasks Well regarded for their level of detail study plans assessment features challenging review questions and exercises video instruction and hands on labs these study tools help you master the concepts and techniques that ensure your exam success Network Simulator Minimum System Requirements Microsoft Windows XP SP3 Windows Vista 32 bit 64 bit with SP1 Windows 7 32 bit 64 bit or Windows 8 32 bit 64 bit Desktop UI only Mac OS X 10 6 10 7 or 10 8 Intel Pentium III 1GHz or faster processor 512MB RAM 1GB recommended 500MB hard disk space 32 bit color depth at 1024x768 resolution Adobe Acrobat Reader version 8 1 and above Connection to the Internet during installation for access code validation Other applications installed during installation Adobe AIR 3 8 Captive JRE 6 Pearson IT Certification Practice Test Minimum System Requirements Windows XP SP3 Windows Vista SP2 Windows 7 or Windows 8 Microsoft NET Framework 4 0 Client Pentium class 1GHz processor or equivalent 512MB RAM 650MB disc space plus 50MB for each downloaded practice exam Connection to the Internet during installation for registration and downloading of exams Both of these software products are single user license desktop software applications

**CCENT Cisco Certified Entry Networking Technician Study Guide (Exam 640-822)** Matt Walker,Angela Walker,2008-06-18 The Boson Network Simulator has a retail price of more than 179 Cisco s certification program has been consistently listed in the Top 10 Most Valuable IT Certifications by ComputerWorld and Certification Magazine

**Cisco Ccent Icmd1 100-101** Michael Valentine,Keith Barker,2014 This book provides coverage and practice questions for every exam topic in the 100 101 ICND1 exam From back cover

**CCENT/CCNA: ICND1 100-105 Certification Guide** Bekim Dauti,2018-04-30 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 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 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 help you confidently pass the certification This Certification Guide consists of

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