CCENT/CCNA ICND1 100-105 Official Cert Guide, Academic Edition

By Wendell Odom

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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.

CCENT/CCNA ICND1 100-105 Official Cert Guide, Academic Edition is a comprehensive textbook and study package that provides you with an introduction to foundational networking concepts and hands-on application. Best-selling author and expert instructor Wendell Odom shares study hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills.

This complete study package includes

- A study routine proven to help you retain knowledge
- Chapter-ending summaries that provide a quick review of key topics
- Tons of review exercises, including memory tables, command summaries, key term definitions, mind mapping exercises, review questions, and more, which test your understanding and reinforce your knowledge
- Troubleshooting sections, which help you master complex, real-world scenarios
- A free copy of the eBook version of the text, available in PDF, EPUB, and Mobi (Kindle) formats
- The powerful Pearson IT Certification Practice Test Premium Edition software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, linking of all questions to the PDF eBook file, and detailed performance reports
- A free copy of the CCENT/CCNA ICND1 100-105 Network Simulator Lite software, complete with meaningful lab exercises that help you hone your hands-on skills with the command-line interface for routers and switches
- Links to a series of hands-on config labs developed by the author
- Online interactive practice exercises that help you enhance your knowledge
- More than 90 minutes of video mentoring from the author
- A final preparation chapter that guides you through tools and resources to help

you craft your review and test-taking strategies
- Study plan suggestions and templates to help you organize and optimize your study time

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

This official study guide helps you master all the topics on the CCENT/CCNA ICND1 exam, including
- Networking fundamentals
- Implementing basic Ethernet LANs
- Ethernet LANs: design, VLANs, and troubleshooting
- IPv4 addressing and subnetting
- Implementing IPv4
- IPv4 design and troubleshooting
- IPv4 services: ACLs and NAT
- IPv6
- Network device management

The DVD contains more than 500 unique practice exam questions, ICND1 Network Simulator Lite software, online practice exercises, and 90 minutes of video training.

Includes Exclusive Offers For Up to 70% Off Video Training and Network Simulator Software

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

In addition to the wealth of updated content, this new edition includes a series of free hands-on exercises to help you master several real-world configuration and troubleshooting activities. These exercises can be performed on the CCENT/CCNA ICND1 100-105 Network Simulator Lite software included for free on the DVD or companion web page that accompanies this book. This software, which simulates the experience of working on actual Cisco routers and switches, contains the following 24 free lab exercises, covering all the topics in Part II, the first hands-on configuration section of the book:
1. Configuring Hostnames
2. Configuring Local Usernames
3. Configuring Switch IP Settings
4. Interface Settings I
5. Interface Settings II
6. Interface Settings III
7. Interface Status I

8. Interface Status II
9. Interface Status III
10. Interface Status IV
11. Setting Switch Passwords
12. Switch CLI Configuration Process I
13. Switch CLI Configuration Process II
14. Switch CLI Exec Mode
15. Switch Forwarding I
16. Switch IP Address
17. Switch IP Connectivity I
18. Switch Security I
19. Switch Security II
20. Switch Security III
21. Switch Security IV
22. Switch Security Configuration Scenario
23. Switch Interfaces and Forwarding Configuration Scenario
24. Port Security Troubleshooting Scenario

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

Windows system requirements (minimum):
· Windows 10 (32/64-bit), Windows 8.1 (32/64-bit), or Windows 7 (32/64-bit)
· 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor
· 1 GB RAM (32-bit) or 2 GB RAM (64-bit)
· 16 GB available hard disk space (32-bit) or 20 GB (64-bit)
· DirectX 9 graphics device with WDDM 1.0 or higher driver
· Adobe Acrobat Reader version 8 and above

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

About the Author

Wendell Odom, CCIE No. 1624 (Emeritus), has been in the networking industry since 1981. He has worked as a network engineer, consultant, systems engineer, instructor, and course developer; he currently works writing and creating certification study tools. This book is his 27th edition of some product for Pearson, and he is the author of all editions of the CCNA R&S and CCENT Cert Guides from Cisco Press. He has written books about topics from networking basics, certification guides throughout the years for CCENT, CCNA R&S, CCNA DC, CCNP ROUTE, CCNP QoS, and CCIE R&S. He helped develop the popular Pearson Network Simulator. He maintains study tools, links to his blogs, and other resources at www.certskills.com.

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