

CCNA 200-301, Volume 1

Official Cert Guide

**2nd
Edition**

In addition to the wealth of updated content, this new edition includes a series of free hands-on exercises to help you master several real-world configuration and troubleshooting activities. These exercises can be performed on the CCNA 200-301 Network Simulator Lite, Volume 1 software included for free on the companion website that accompanies this book. This software, which simulates the experience of working on actual Cisco routers and switches, contains the following 21 free lab exercises, covering topics in [Part II](#) and [Part III](#), the first hands-on configuration sections of the book:

- 1. Configuring Local Usernames**
- 2. Configuring Hostnames**
- 3. Interface Status I**
- 4. Interface Status II**
- 5. Interface Status III**
- 6. Interface Status IV**
- 7. Configuring Switch IP Settings**
- 8. Switch IP Address**
- 9. Switch IP Connectivity I**
- 10. Switch CLI Configuration Process I**

- 11. Switch CLI Configuration Process II**
- 12. Switch CLI Exec Mode**
- 13. Setting Switch Passwords**
- 14. Interface Settings I**
- 15. Interface Settings II**
- 16. Interface Settings III**
- 17. Switch Forwarding I**
- 18. Switch Security I**
- 19. Switch Interfaces and Forwarding Configuration Scenario**
- 20. Configuring VLANs Configuration Scenario**
- 21. VLAN Troubleshooting**

If you are interested in exploring more hands-on labs and practice configuration and troubleshooting with more router and switch commands, go to www.pearsonitcertification.com/networksimulator for demos and to review the latest products for sale.

Network Simulator System Requirements

Windows (Minimum)

- Windows 11, Windows 10, Windows 8.1
- Intel Pentium III (1GHz or faster processor) or 2 GB RAM
- 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
- Connection to the Internet during installation for access code validation

Mac (Minimum)

- macOS 14, 13, and 12
- Intel Pentium III (1GHz or faster processor)

- 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
- Connection to the Internet during installation for access code validation