



# CCNA Routing and Switching 200-120 Network Simulator

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## **CCNA Routing and Switching 200-120 Network Simulator** Wendell Odom, Sean Wilkins **The most effective router and switch simulator for hands-on CCNA skills enhancement**

Cisco CCNA Routing and Switching 200-120 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 almost 400 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, Spanning Tree Protocol (STP), IPv4 and IPv6 addressing and subnetting, subnet design, VLSM, route summarization, IPv4 Access Control Lists (ACL), Network Address Translation (NAT), DHCP, HSRP, GLBP, router on a stick (ROAS), operating Cisco routers, IPv4 and IPv6 routing, OSPF configuration and troubleshooting, EIGRP configuration and troubleshooting, Frame Relay, network management, SNMP, IOS licensing, 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 CCNA Routing and Switching exam. Choose from almost 400 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 CCNA Routing and Switching 200-120 Network Simulator are far more complex, challenging you to learn how to perform real-world network configuration and troubleshooting tasks.

### **Updated System Requirements**

Windows (Minimum)

- Windows 10, Windows 8.1, or Windows 7
- 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor
- 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

Mac (Minimum)

- Mac OS X 10.11, 10.10, 10.9, or 10.8
- Intel core Duo 1.83 GHz
- 512 MB RAM (1GB Recommended)
- 1.5 GB Hard Disk space
- 32-bit color depth at 1024X768 resolution

Both:

- Adobe Acrobat Reader version 8 & above
- Connection to the Internet during installation for access code validation

This product is a single-user license desktop software application.

### **Skill Builders:**

These 226 labs are narrowly focused, enabling you to practice your configuration skills on a single topic. Coverage includes

- Router configuration
- Interface status
- NTP configuration
- Traceroute
- PC IP commands
- IPv4 and IPv6 addressing
- NAT configuration
- DHCP server configuration
- Switch configuration
- VLAN and trunking configuration
- Switch security
- Static routes
- ACLs
- SNMP and Syslog configuration
- IOS licensing
- Debug command
- STP configuration
- Etherchannel
- OSPFv2 and OSPFv3 configuration
- EIGRP IPv4 and IPv6 configuration
- IPv6 routing
- HSRP configuration
- Serial and serial link configuration and authentication
- Frame Relay configuration and verification

### **Subnetting Exercises:**

These 90 labs help you to perform subnetting calculations quickly and accurately, a critical skill for success on the CCNA exam. Topics covered include

- Subnet ID calculation
- IPv6 subnet ID calculation
- IP address rejection
- IP route selection
- Route summary
- VLSM overlap
- IPv6 EUI-64 calculations
- IP VLSM route selection

### **Configuration Scenarios:**

These 53 labs are more broadly focused, combining multiple technologies into configuration scenarios that mimic real-world environments. These labs are longer and more complex, challenging you to put your configuration skills to the test. Topics covered include

- Navigation and administration
- Netflow configuration
- Password recovery
- IP addressing
- NAT
- DHCP
- IPv6
- VLANs and trunking
- STP configuration and prediction
- Switch security
- Static routing
- ACLs
- OSPF configuration and metric manipulation
- EIGRP configuration, auto-summary and metric manipulation
- HSRP configuration
- Frame Relay

#### **Troubleshooting Scenarios:**

These 28 labs present complicated and realistic troubleshooting scenarios that truly test your ability to perform the job of a network engineer. There are two types of troubleshooting labs that test different approaches to troubleshooting. Show troubleshooting labs challenge you to use exec commands to evaluate, correct, and optimize network performance. Configuration troubleshooting labs present you with misconfigured networks that you must analyze and fix. Topics covered include

- Switch forwarding
- Path analysis
- Path troubleshooting
- Port security
- Network discovery
- VLAN troubleshooting
- STP troubleshooting
- IP addressing and routing
- NAT
- Network expansion
- IPv4 and IPv6 routing
- OSPF troubleshooting
- EIGRP and EIGRP for IPv6 troubleshooting

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#### **Brenda Blackmer:**

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#### **Julio Yates:**

Playing with family within a park, coming to see the water world or hanging out with pals is thing that usually you may have done when you have spare time, in that case why you don't try thing that really opposite from that. Just one activity that make you not experiencing tired but still relaxing, trilling like on roller coaster you are ride on and with addition of knowledge. Even you love CCNA Routing and Switching 200-120 Network Simulator, you could enjoy both. It is excellent combination right, you still wish to miss it? What kind of hang-out type is it? Oh can happen its mind hangout men. What? Still don't understand it, oh come on its referred to as reading friends.

#### **Lurline Silvester:**

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