

Certification Practice Exam for CCNA Composite - Guidance

The 640-802 CCNA is the composite exam associated with the Cisco Certified Network Associate certification. Candidates can prepare for this exam by taking the Interconnecting Cisco Networking Devices Part 1 (ICND1) v1.0 and the Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.0 courses. This exam tests a candidate's knowledge and skills required to install, operate, and troubleshoot a small to medium size enterprise branch network. The topics include connecting to a WAN; implementing network security; network types; network media; routing and switching fundamentals; the TCP/IP and OSI models; IP addressing; WAN technologies; operating and configuring IOS devices; extending switched networks with VLANs; determining IP routes; managing IP traffic with access lists; establishing point-to-point connections; and establishing Frame Relay connections. **Use these study materials to improve your knowledge in Routing and Switching networking technology. You can consult these materials before or after taking the Assessment. Describe how a network works** [How LAN Switches Work](#) | [Bridging Basics](#) | [Internet Protocols \(IP\)](#) | [Routing Basics](#) | [Configuring Mail Traffic \(SMTP and POP3\)](#) | [Secure HTTP \(HTTPS\)](#) | [TCP/IP Overview](#) | [Voice Over IP - Per Call Bandwidth Consumption](#) | [IP Addressing and Subnetting for New Users](#) | [Fiber Distributed Data Interface \(FDDI\)](#) | [Understanding the Ping and Traceroute Commands](#) | [Internetworking Basics](#) | [High-Speed Serial Interface \(HSSI\)](#) | **Configure, verify and troubleshoot a switch with VLANs and interswitch communication** [Configuring and Troubleshooting Ethernet 10/100/1000Mb Half/Full Duplex Auto-Negotiation](#) | [Cisco Catalyst 2950 Series Switches with Enhanced Image SW](#) | [Ethernet](#) | [How LAN Switches Work](#) | [Configuring Inter-VLAN Routing with Catalyst 3750/3560/3550 Series Switches](#) | [Understanding Rapid Spanning Tree Protocol \(802.1w\)](#) | [Understanding the Ping and Traceroute Commands](#) | [Cisco IOS Command Line Interface Tutorial](#) | [Spanning Tree PortFast BPDU Guard Enhancement](#) | [VLAN Security White Paper](#) | [Creating Ethernet VLANs on Catalyst Switches](#) | [How To Configure Inter-VLAN Routing on Layer 3 Switches](#) | [Understanding VLAN Trunk Protocol \(VTP\)](#) | [Catalyst 4500 Series Switch Cisco IOS Command Reference](#) | [Cisco Guide to Harden Cisco IOS Devices](#) | **Implement an IP addressing scheme and IP Services to meet network requirements in a medium-size Enterprise branch office network.** [IP Addressing and Subnetting for New Users](#) | [DNS Best Practices, Network Protections, and Attack Identification](#) | [Cisco IOS DHCP Server](#) | [IPv6](#) | [Troubleshooting TCP/IP](#) | **Configure, verify, and troubleshoot basic router operation and routing on Cisco devices** [Routing Basics](#) | [Cisco 1751 Router Overview](#) | [Ethernet Crossover Cables](#) | [Routing Information Protocol \(RIP\)](#) | [Basic Router Configuration using SDM](#) | [Troubleshooting TCP/IP](#) | [Understanding the Ping and Traceroute Commands](#) | [Loading Software using TFTP or RCP](#) | [Route Selection in Cisco Routers](#) | [OSPF Design Guide](#) | [Troubleshooting EIGRP](#) | [Terminal Service Connections](#) | [Troubleshooting OSPF](#) | [Cisco IOS Command Line Interface Tutorial](#) | [Important Information on Debug Commands](#) | [Cisco Guide to Harden Cisco IOS Devices](#) | **Explain and select the appropriate administrative tasks required for a WLAN** [Cisco Unified Wireless Network Introduction](#) | [Explaining WLAN Technology and Standards \(CLN login required\)](#) | [Wireless LAN Controller and Lightweight Access Point Basic Configuration Example](#) | [Wired Equivalent Privacy \(WEP\) on Aironet Access Points and Bridges Configuration Example](#) | [WPA Configuration Overview](#) | [Cisco Aironet Antennas and Accessories Reference Guide](#) | [FAQ on Cisco Aironet Wireless Security](#) | **Identify security threats to a network and describe general methods to mitigate those threats** [Cisco Guide to Harden Cisco IOS Devices](#) | [Cisco IOS Firewall Authentication Proxy](#) | [IBNS: Web Authentication Deployment and Configuration Guide](#) | [Configuring Network Security](#) | [Characterizing and Tracing Packet Floods Using Cisco Routers](#) | **Implement, verify, and troubleshoot NAT and ACLs in a medium-size Enterprise branch office network** [Configuring IP Access Lists](#) | [Configuring Network Address Translation: Getting Started](#) | **Implement and verify WAN links** [Introduction to WAN Technologies](#) | [ISDN PRI-SLT](#) | [Frame Relay](#) | [Cisco WAN Design Tools User's Guide, 11.0](#) | [How Virtual Private Networks Work](#) | [Point to Point Protocol \(PPP\)](#) |