

Cisco Certified Technician (CCENT)

Cisco Certified Entry Networking Technician (CCENT™) validates the ability to install, operate and troubleshoot a small enterprise branch network, including basic network security. With a CCENT, network professional demonstrates the skills required for entry-level network support positions - the starting point for many successful careers in networking. The curriculum covers networking fundamentals, WAN technologies, basic security and wireless concepts, routing and switching fundamentals, and configuring simple networks. CCENT is the first step toward achieving CCNA, which covers medium size enterprise branch networks with more complex connections.

Interconnecting Cisco Networking Devices Part 1 (ICND1)

Course Content

This course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small branch office Enterprise network, including configuring a switch, a router, and connecting to a WAN and implementing network security. A Student should be able to complete configuration and implementation of a small branch office network under supervision.

Course Objectives

Upon completion of this course, you should be able to:

- Describe how networks function, identifying major components, function of network components and the Open System Interconnection (OSI) reference model.
- Using the host-to-host packet delivery process, describe issues related to increasing traffic on an Ethernet LAN and identify switched LAN technology solutions to Ethernet networking issues.
- Describes the reasons for extending the reach of a LAN and the methods that can be used with a focus on RF wireless access.
- Describes the reasons for connecting networks with routers and how routed networks transmit data through networks using TCP / IP.
- Describe the function of Wide Area Networks (WANs), the major devices of WANs, and configure PPP encapsulation, static and dynamic routing, PAT and RIP routing.
- Use the command-line interface to discover neighbors on the network and managing the router's startup and configuration .

Course Outline

- Module 1 - Building a Simple Network
- Module 2 - Ethernet Local Area Networks
- Module 3 - Wireless Local Area Networks
- Module 4 - Exploring the Functions of Routing
- Module 5 - Wide Area Networks
- Module 6 - Network Environment Management

Who Should Attend

- Channel Partner / Reseller
- Customer
- Employee