Preparation Interconnecting Cisco Networking Devices: Accelerated

This course consists of Interconnecting Cisco Networking Devices, Part 1 (ICND1) and Interconnecting Cisco Networking Devices, Part 2 (ICND2) content merged into a single course. Overlapping content between ICND1 and ICND2 is eliminated and content is rearranged for the purpose of the course flow. Students will learn how to install, operate, configure, and verify a basic IPv4 and IPv6 network, including configuring a LAN switch, configuring an IP router, connecting to a WAN, and identifying basic security threats. It also includes more in-depth topics that teach learners how to perform basic troubleshooting steps in enterprise branch office networks, preparing students for the Cisco CCNA certification.

Who Needs to Attend

- Channel Partners
- Customers
- Employees

Course Certifications

CCNA Routing and Switching

Prerequisites

- Basic computer literacy
- Basic PC operating system navigation skills
- Basic Internet usage skills
- Basic IP address knowledge
- Good understanding of network fundamentals

Course Objectives

- Install, operate, and troubleshoot a medium-sized network, including connecting to a WAN and implementing network security
- Describe the effects of new technologies such as IoE, IoT, IWAN, and SDN on network evolution

Course Content

Module 1: Building a Simple Network

Module 2: Establishing Internet Connectivity

Module 3: Summary Challenge

Module 4: Implementing Scalable Medium Sized Network

Module 5: Introducing IPv6

Module 6: Troubleshooting Basic Connectivity

Module 7: Implementing Network Device Security

Module 8: Implementing an EIGRP-Based Solution

Module 9: Summary Challenge

Module 10: Implement a Scalable OSPF-Based Solution

Module 11: Implementing Wide-Area Networks

Module 12: Network Device Management

Module 13: Summary Challenge 2