

Course Outline

Interconnecting Cisco Networking Devices: Accelerated (CCNAX)

Duration: 6 days (36 hours)

Learning Objectives:

Upon completing this course, the learner will be able to meet these overall objectives:

- Describe network fundamentals and build simple LANs
- Establish Internet connectivity
- Manage network device security
- Describe IPv6 basics
- Troubleshoot VLAN issues, explain how STP works, configure Ether Channel, and understand the idea behind Layer 3 redundancy
- Troubleshoot IP connectivity
- Define the characteristics, functions, and components of a WAN Configure and troubleshoot EIGRP in an IPv4 environment, and configure EIGRP for IPv6
- Configure, verify, and troubleshoot multi-area OSPF
- Describe SNMP, syslog and Net Flow, and manage Cisco device configurations, IOS images, and licenses

Prerequisites:

Basic computer literacy Basic PC Operating System navigation skills Basic Internet usage skills Basic IP addressing knowledge

Target Audience:

- Channel Partner / Reseller
- Customer
- Employee

Topics Covered:

- Building a Simple Network
- Establishing Internet Connectivity
- Managing Network Device Security
- Introducing IPv6 Building a Medium-Sized Network
- Troubleshooting Basic Connectivity Wide Area Networks
- Implementing an EIGRP-Based Solution
- Implementing a Scalable OSPF-Based Solution Network Device Management
- Implementing Wide Area Networks