

Interconnecting Cisco Network Devices 1 (ICND1)

Cisco Exam: 640-822
5 Day Course
Locations: Mex, D.F.
Date:

Who Needs to Attend

Network technicians who configure and support internetworks; Individuals seeking CCNA certification; Management and salespeople who need a working knowledge of modern networking.

Certification Programs and Certificate Tracks

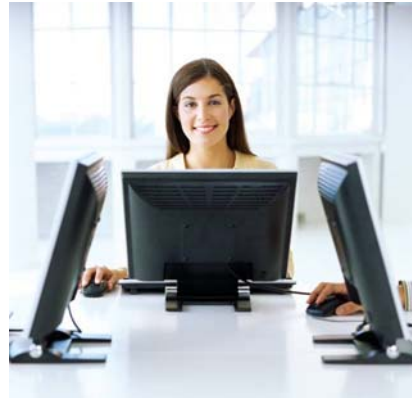
This course is part of the following programs or tracks:

[CCNA - Cisco Certified Network Associate](#)

[CCENT - Cisco Certified Entry Network Technician](#)

[CCNA Security](#)

[CCNA Wireless](#)



In this comprehensive 5-day Authorized Cisco course, develop a practical understanding of the operation of modern TCP/IP networks built with Cisco hardware. Learn the commands and techniques used to troubleshoot host connections, interact with Cisco switches and routers, back up and restore configuration files, and manage network equipment

Table of Contents

1. Building a Simple Network

- Exploring the Functions of Networking
- Securing the Network
- Host-to-Host Communication Model
- TCP/IP's Internet Layer
- TCP/IP's Transport Layer
- Packet Delivery Process
- Understanding Ethernet
- Connecting to an Ethernet LAN

2. Ethernet LANs

- Challenges of Shared LANs
- Solving Network Challenges with Switched LAN Technology
- Packet Delivery Process
- Operating Cisco IOS Software
- Starting the Switch
- Understanding Switch Security
- Maximizing the Benefits of Switching
- Troubleshooting Switch Issues

3. Wireless Local Area Networks (WLANs)

- Exploring Wireless Networking
- Understanding WLAN Security
- Implementing a WLAN

4. LAN Connections

- Functions of Routing
- Understanding Binary Basics
- Constructing a Network Addressing Scheme
- Starting a Router
- Configuring a Router
- Packet Delivery Process
- Understanding Router Security
- Using Cisco Router and Security Device Manager
- Using a Router as a DHCP Server
- Accessing Remote Devices

5. Wide Area Networks (WANs)

- WAN Technologies
- Enabling the Internet Connection
- Enabling Static Routing
- Configuring Serial Encapsulation
- Enabling Routing Information Protocol (RIP)

6. Network Environment Management

- Discovering Neighbors on the Network
- Managing Router Startup and Configuration
- Managing Cisco Devices

