



Interconnecting Cisco Networking Devices Part 1 (ICND1) v 1.0

Description

The Interconnecting Cisco Network Devices Part 1 (ICND1) is an instructor-led course. This five-day course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small branch office Enterprise network, including configuring a switch, 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

After completing this course, students 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
- Describe the reasons for extending the reach of a LAN and the methods that can be used with a focus on RF wireless access
- Describe 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 neighbours on the network and managing the router's startup and configuration.

Who Should Attend

- Customer
- Employee
- Channel Partners/Resellers

Recommended pre-requisites

None.

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

Length of Course

5 Days.

Maximum Class Size

12 Students

Class Locations

All APAC locations, subject to suitable venue.

Further Information

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