

Interconnecting Cisco Network Devices pt2 v2.0

ICND2



Delivery Type: Classroom

Duration: 5 days

Overview

This course provides entry-level network administrators, network support, and help desk technicians with the knowledge and skills needed to install, configure, operate, and troubleshoot a small enterprise network. ICND2 v2.0 focuses on understanding redundant topologies, troubleshooting common networking issues, configuring EIGRP and multiarea OSPF in both IPv4 and IPv6, understanding WAN technologies, and becoming familiar with device management and Cisco licensing. There are more labs and troubleshooting scenarios included in this version of ICND2.

Target Audience

The course is intended for individuals seeking the CCNA Routing and Switching certification and for pre and post sales engineers involved in the installation and support of enterprise branch office networks.

Certification

Recommended preparation for exam (s):

- ✓ 200-101 - ICND2 **OR**
- ✓ 200-120 - CCNA - This is a composite exam and will include questions on both ICND1 and ICND2 content.

Pre-Requisites

Attendees should meet the following prerequisites:

Understand network fundamentals and be able to:

- ✓ Implement local area networks
- ✓ Implement Internet connectivity
- ✓ Manage network device security
- ✓ Implement WAN connectivity
- ✓ Implement basic IPv6 connectivity
- ✓ All of these requirements can be met by attending ICND1. v2.0

Objectives

After you complete this course you should be able to:

- ✓ Operate a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree
- ✓ Troubleshoot IP connectivity
- ✓ Configure and troubleshoot EIGRP in an IPv4 environment, and configure EIGRP for IPv6
- ✓ Configure and troubleshoot OSPF in an IPv4 environment, and configure OSPF for IPv6

- ✓ Define characteristics, functions, and components of a WAN
- ✓ Describe SNMP, syslog, and NetFlow, and manage Cisco device configurations, Cisco IOS images, and licenses

Further Information

Recertification:

CCNA certifications are valid for three years. To recertify, pass ONE of the following before the certification expiration date:

- ✓ Pass the current ICND2 or Composite Exam or
- ✓ Pass any current CCNA Concentration exam (Data Center, Wireless, Security, Voice, Video, Service Provider, or Service Provider Operations or DESGN),
- ✓ Pass any current 642-XXX Professional-level exam, or
- ✓ Pass any current Cisco Specialist exam (excluding Sales Specialist exams or MeetingPlace Specialist exams, Implementing Cisco TelePresence Installations (ITI) exams, Cisco Leading Virtual Classroom Instruction exams, or any 650 online exams), or
- ✓ Pass any current CCIE Written Exam, or
- ✓ Pass the current CCDE Written Exam OR current CCDE Practical Exam, or
- ✓ Pass the Cisco Certified Architect (CCAr) interview AND the CCAr board review to extend lower certifications

Follow on Courses

The following courses are recommended for further study :

- ✓ ROUTE - Implementing Cisco IP Routing
- ✓ SWITCH - Implementing Cisco Switched Networks