

CI - ICND2

Interconnecting Cisco Networking Devices Part 2

Summary

Duration

5 Days

Vendor

Cisco

Category

CCNA



Introduction

This course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small to medium-size branch office Enterprise network, including configuring several switches and routers, connecting to a WAN and implementing network security.

Prerequisites

ICND 1

Course Objectives

Upon completion of this course, you should be able to:

- Review how to configure and troubleshoot a small network.
- Expand the switched network from a small LAN to a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree.
- Describe routing concepts as they apply to a medium-sized network and discuss considerations when implementing routing on the network.
- Configure, verify, and troubleshoot OSPF.
- Configure, verify, and troubleshoot EIGRP.
- Determine how to apply ACLs based on network requirements, and to configure, verify, and troubleshoot ACLs on a medium-sized network.
- Describe when to use NAT or PAT on a medium-sized network, and configure NAT or PAT on routers.
- Identify and implement the appropriate WAN technology based on network requirements.

Course Outline

Module 1 - Small Network Implementation

Module 2 - Medium-Sized Switched Network Construction

Module 3 - Medium-Sized Routed Network Construction

Module 4 - Single Area OSPF Implementation

Module 5 - EIGRP Implementation

Module 6 - Access Control Lists

Module 7 - Address Space Management

Module 8 - LAN Extension to a WAN

Associated Certifications & Exams

The 640-816 Interconnecting Cisco Networking Devices Part 2 (ICND2) is the exam associated with the Cisco Certified Network Associate certification.

On successful completion of this course students will receive both a Cisco and Torque IT attendance certificate.