



Interconnecting Cisco Network Devices Part 2 (ICND2) 2.0 (Fast Track)



Course Summary

Interconnecting Cisco Network Devices Part 2, Provide students configuration and troubleshooting of Layer 2 technologies such as VLANs, STP, PPP and Frame Relay, as well as Layer 3 technologies such as EIGRP and OSPF for IPv4 and IPv6.

Duration

3 days

Objectives

-  Configure and troubleshoot routed and switched IPv4 and IPv6 internetworks
-  Expand a small-sized, switched LAN to a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree protocol

Audience

Network Engineers, Network Administrators & System Administrators










Pre-Requisites






Interconnecting Cisco Networking Devices Part 1 (ICND1) is a recommended prerequisite to this course

Outline

Day1:








-  Implementing Scalable Medium-Sized Networks
-  Troubleshooting VLAN Connectivity
-  Improving Redundant Switched Topologies with EtherChannel
-  Building Redundant Switched Topologies
-  Understanding Layer 3 Redundancy
-  Troubleshooting IPv4 Network Connectivity
-  Troubleshooting IPv6 Network Connectivity

Day 2:




-  Implementing an EIGRP Based Solution
-  Implementing EIGRP
-  Troubleshooting EIGRP
-  Implementing EIGRP for IPv6
-  Implementing a Scalable, Multiarea Network, OSPFBased Solution
-  OSPF Overview
-  Multiarea OSPF IPv4 Implementation
-  Troubleshooting Multiarea OSPF
-  Examining OSPFv3



Day 3:

-  Understanding WAN Technologies
-  Configuring Serial Encapsulation
-  Establishing a WAN Connection Using Frame Relay
-  Introducing VPN Solutions
-  Configuring GRE Tunnels
-  Configuring Network Devices to Support Network Management Protocols
-  Managing Cisco Devices

Lab Requirements

-  Windows Enabled System - WinXP/Windows 7
-  4 – 8GB Memory
-  Cisco Packet Tracer Software