CURSO
INTERCONNECTING CISCO NETWORKING DEVICES
PART 2

OBJETIVES

Upon completing this course, the learner will be able to meet these overall objectives:

- Operate a medium-sized LAN with multiple switches, supporting VLANs, trunking and spanning tree

- Troubleshoot IP connectivity

- Configure and troubleshoot OSPF in IPv4

- Configure and troubleshoot EIGRP in 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, IOS images and licenses

MOD I. IMPLEMENTING SCALABLE MEDIUM-SIZED NETWORKS

1. Troubleshooting VLAN Connectivity

2. Building Redundant Switched Topologies

3. Improving Redundant Switched Topologies with EtherChannel

4. Understanding Layer 3 Redundancy

MOD II. TROUBLESHOOTING BASIC CONNECTIVITY

1. Troubleshooting IPv4 Network Connectivity

2. Troubleshooting IPv6 Network Connectivity

MOD III. IMPLEMENTING AN EIGRP-BASED SOLUTION

1. Implementing EIGRP

2. Troubleshooting EIGRP

3. Implementing EIGRP for IPv6

MOD VI. IMPLEMENTING A SCALABLE, MULTIAREA NETWORK, OSPF-BASED SOLUTION

1.   OSPF Overview

2.   Multiarea OSPF IPv4 Implementation

3.   Troubleshooting Multiarea OSPF

4.   Examining OSPFv3

MOD V. WIDE-AREA NETWORKS

1.   Understanding WAN Technologies

2.   Configuring Serial Encapsulation

3.   Establishing a WAN Connection Using Frame Relay

4.   Introducing VPN Solutions

5.   Configuring GRE Tunnels

MOD VI. NETWORK DEVICE MANAGEMENT

1.   Configuring Network Devices to Support Network Management Protocols

2.   Managing Cisco Devices

3.   Licensing

DURATION

30 hours

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