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## **COURSE ON INTERCONNECTING CISCO NETWORKING DEVICES, PART 2 (ICND2)**

### **DESCRIPTION AND CONTENT**

#### **Description**

The Interconnecting Cisco Networking Devices, Part 2 (ICND2) v2.0 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 is augmented by a virtual classroom presentation, which has additional slides and interactions for instructor use. In addition to the classic hardware-based lab, Cisco will offer a new set of Cisco Learning Lab Classroom Labs. ICND2 v2.0 focuses on understanding redundant topologies, troubleshooting common network issues, configuring EIGRP and multi-area OSPF in both IPv4 and IPv6, understanding Wide Area Network technologies, and becoming familiar with device management and Cisco licensing. The learner will encounter more troubleshooting and more lab time than with the previous version of ICND.

#### **Content**

##### **Lesson 1: Review**

Topic 1A: Superlab Review

##### **Lesson 2: Implementing Scalable Medium-Sized Network**

Topic 2A: Troubleshooting VLAN Connectivity

Topic 2B: Building Redundant Switched Topology

Topic 2C: Improving Redundant Switched Topology

Topic 2D: Understanding Layer 3 Redundancy

##### **Lesson 3: Troubleshooting Basic Connectivity**

Topic 3A: Troubleshooting IPv4 Network

Topic 3B: Troubleshooting IPv6 Network

Topic 3C: Implementing an EIGRP-Based Solution

##### **Lesson 4: Implementing an EIGRP**

Topic 4A: Troubleshooting EIGRP

Topic 4B: Implementing EIGRP for IPv6

##### **Lesson 5: Implementing a Scalable, Multiarea Network**

Topic 5A: OSPF Overview

Topic 5B: Multiarea OSPF IPv4 Implementation

Topic 5C: Troubleshooting Multiarea OSPF

Topic 5D: Examining OSPFv3

### **Lesson 6: Wide-Area Networks**

- Topic 6A: Understanding WAN Technologies
- Topic 6B: Configuring Serial Encapsulation
- Topic 6C: Establishing a WAN Connection Using
- Topic 6D: Introducing VPN Solutions
- Topic 6E: Configuring GRE Tunnels

### **Lesson 7: Network Device Management**

- Topic 7A: Configuring Network Devices to Supp...
- Topic 7B: Managing Cisco Devices
- Topic 7C: Licensing

### **Lesson 8: ICND2 Superlab**

- Topic 8A: ICND2 Superlab