Interconnecting Cisco Networking Devices Part 2 (CS-ICND2) v3.0

Modality: Virtual Classroom

Duration: 2 Days

CLC: 25 Units

About the course:

This is a course of 5 days that was created by the Cisco Learning Partners to help their end-user clients. The Certification Training of Cisco Interconnecting Networking Devices Part 2 (ICND2) v1.1 is driven by a certified instructor, who will show you the way toward troubleshooting, configuring, and also verifying various Cisco networking gadgets that are available in a little network condition. Moreover, it additionally gives complete information regarding Cisco Routers and Cisco Catalyst Switches that are linked together through LANs and WANs, generally accessible at medium-sized system sites. When the course is finished, the understudy can be better ready for the exam of Cisco: 200-105 ICND2.

The Training Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.1 of Cisco Certification is a piece of the following Boot Camps:

CS – CCNA + CCDA - CCENT + CCNA + CCDA Triple Training Boot Camp Certification

CS - CCNA Routing and Switching Cisco Certified Network Associate (CCNA) Training Boot Camp v3.0 (CS-CCNA)

A Certified Network Engineer of Cisco, can earn up to on average $77,484/- annually.

Course Objectives:

- Give information and explain new innovations, for example, IoE, IWAN, and IoT alongside SDN Network advancement and the impacts it has.
- Comprehend the way toward connecting to WANs for further understanding the way to deploy network security; manage, install, and work a medium-sized network.

Audience:

This course is planned to be embraced by the following experts

1. Network Engineers
2. Operators for Network Support
3. Network Managers
4. Operators at Help Desk

Pre-requisites:

https://www.quickstart.com/   Contact Us: (866) 991-3924

The pre-requirements include information on the following:

Protected network devices

Arranging network devices

Executing Internet Connectivity

Network Basics

Executing local area networks

ICND1

Executing elementary IPv6 connectivity

Suggested Pre-requisite courses:

It is prescribed to have finished the following courses before opting for this one.

- Basics: Services, Protocols, and Migration (IPv6)
- Interconnecting Cisco Networking Devices Part 1 -- ICND1 - v3.0

Course Outline:

Module 1: Implementing Scalable Medium-Sized Networks

- Lesson 1: Troubleshooting VLAN Connectivity
- Lesson 2: Building Redundant Switched Topologies
- Lesson 3: Improving Redundant Switched Topologies with EtherChannel
- Lesson 4: Understanding Layer 3 Redundancy

Module 2: Troubleshooting Basic Connectivity

- Lesson 1: Troubleshooting IPv4 Network Connectivity
- Lesson 2: Troubleshooting IPv6 Network Connectivity

Module 3: Implementing an EIGRP-Based Solution

- Lesson 1: Implementing EIGRP
- Lesson 2: Implementing EIGRP for IPv6
- Lesson 3: Troubleshooting EIGRP

Module 4: Summary Challenge

- Lesson 1: Implementing and Troubleshooting Scalable Medium-Sized Network -1
- Lesson 2: Implementing and Troubleshooting Scalable Medium-Sized Network -2

Module 5: Implement a Scalable OSPF-Based Solution

- Lesson 1: Understanding OSPF
- Lesson 2: Implementing Multiarea OSPF IPv4
- Lesson 3: Implementing OSPFv3 for IPv6
- Lesson 4: Troubleshooting Multiarea OSPF

Module 6: Wide-Area Networks

- Lesson 1: Understanding WAN Technologies
- Lesson 2: Understanding Point-to-Point Protocols
- Lesson 3: Configuring GRE Tunnels
- Lesson 4: Configuring Single-Homed EBGP

Module 7: Network Device Management

- Lesson 1: Implementing Basic Network Device Management and
- Lesson 2: Evolution of Intelligent Networks
- Lesson 3: Introducing QoS

Module 8: Summary Challenge

- Lesson 1: Implementing and Troubleshooting Scalable Multiarea
- Lesson 2: Implementing and Troubleshooting Scalable Multiarea Network -2

Labs:

- Challenge 1: Troubleshooting VLANs and Trunks
- Challenge 2: Building Redundant Switched Topologies
- Challenge 3: Improving Redundant Switched Topologies with EtherChannel
- Challenge 4: Implementing and Troubleshooting HSRP
- Challenge 5: Troubleshooting IPv4 Connectivity
- Challenge 6: Troubleshooting IPv6 Connectivity
- Challenge 7: Implementing EIGRP
- Challenge 8: Troubleshooting EIGRP
- Challenge 9: Summary Challenge Lab : 1
- Challenge 10: Summary Challenge Lab : 2
- Challenge 11: Implementing Multiarea OSPF
- Challenge 12: Implementing OSPFv3 for IPv6
- Challenge 13: Troubleshooting OSPF
- Challenge 14: Implementing WAN Using Point-to-Point Protocols
- Challenge 15: Implementing GRE Tunnel
- Challenge 16: Implementing Single-Homed EBGP
- Challenge 17: Implementing Device Management and Security
- Challenge 18: Summary Challenge Lab : 3
- Challenge 19: Summary Challenge Lab : 4
- Discovery 1: Troubleshoot VLANs and Trunks
- Discovery 2: Configure Root Bridge and Analyze STP Topology

- Discovery 3: Troubleshoot STP Issues
- Discovery 4: Configure and Verify EtherChannel
- Discovery 5: Configure and Verify HSRP
- Discovery 6: Troubleshoot HSRP
- Discovery 7: Use Troubleshooting Tools
- Discovery 8: Configure and Verify IPv4 Extended Access Lists
- Discovery 9: Troubleshoot IPv4 Network Connectivity
- Discovery 10: Configure and Verify IPv6 Extended Access Lists
- Discovery 11: Troubleshoot IPv6 Network Connectivity
- Discovery 12: Configure and Verify EIGRP
- Discovery 13: Configure and Verify EIGRP for IPv6
- Discovery 14: Troubleshoot EIGRP
- Discovery 15: Configure and Verify Single-Area OSPF
- Discovery 16: Configure and Verify Multiarea OSPF
- Discovery 17: Configure and Verify OSPFv3
- Discovery 18: Troubleshoot Multiarea OSPF
- Discovery 19: Configure Serial Interface and PPP
- Discovery 20: Configure and Verify MLP
- Discovery 21: Configure and Verify PPPoE Client
- Discovery 22: Configure and Verify GRE Tunnel
- Discovery 23: Configure and Verify Single Homed EBGP
- Discovery 24: Configure External Authentication Using RADIUS and TACACS+
- Discovery 25: Configure SNMP