

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

Modality: On Demand

Duration: 4.5 Hours

About this course:

The Interconnecting Cisco Networking Devices, Part 2 (ICND2) v3.0 course has been designed in order for you to get adequate training of Cisco CCNA® Routing and Switching certification. The course also covers training for associate-level routing and switching network engineering roles. In this course, you gain the required knowledge and skills you would need for installing, configuring, using, and troubleshooting a mini enterprise network. Additionally, as this is the latest revision of the course, it serves you with the topic on understanding of Quality-of-Service (QoS) elements and their range of application along with the ways in which virtualized and cloud services will form communication with and influence the enterprise networks. You will also get a general go-through of network programmability and the relevant controller types and tools that have been provided in order to support Software-Defined Network (SDN) structures.

Learning objectives:

This course has the following learning objectives:

- Delivering information and describing the latest technologies, such as IWAN, IoE, and IoT alongside the SDN Network evolution and the impact it has on these technologies
- Gaining comprehension of the procedure of connecting to WANs. Additionally, gaining a concise comprehension of the ways of deploying network security, installing, regulating, and operating a medium-sized network.

Audience:

This course has been designed for professionals like network engineers, network managers, network support operators, and help center operators.

Requirements:

The course has some requirements that should be fulfilled before taking it. These include, having secured network devices, setting up a strong internet connectivity, making arrangements for network devices, ICND1, knowing the network fundamentals, setting up the primary IPv6 connectivity, and lastly, setting up the LANs.

Course Outline:

- Instructor Bio
- Course Introduction

- Module 1: VLAN
- Module 2: Implement VTP
- Module 3: Spanning Tree Protocols
- Module 4: Implement Inter-VLAN Routing
- Module 5: Distance Vector Routing Protocols
- Module 6: Link-State Routing Protocols
- Module 7: OSPF
- Module 8: EIGRP
- Module 9: Point-to-Point Protocol (PPP)
- Module 10: WAN
- Module 11: GRE & HSRP
- Module 12: QoS
- Module 13: SDN
- Module 14: Network Troubleshooting
- Module 15: APIC-EM, SNMP & SPAN
- Course Summary