



CCNP Enterprise Certification

Related Certificate	CCNP Enterprise Certification
Course ID	Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)
Related Exam	350-401
Duration	40 hrs.

Course Overview:

CCNP Enterprise certification will prove your skills in the ever-changing landscape of enterprise network technologies. The certification covers core technologies and an enterprise focus area of your choice. You choose where you want to focus. You choose where to take your career.

This course covers core technologies of NEW CCNP

In this course you will learn the hierarchical network design model and architecture using the access, distribution, and core layers, Compare and contrast the various hardware and software switching mechanisms and operation, learn VLANs and trunking & Troubleshoot Layer 2 connectivity., different protocols like EIGRP , OSPF , Spanning Tree Protocol , EBGp , VRRP , HSRP , VRRP . NTP, SNMP & more

- You will learn the virtualization technology of servers, switches, and the various network devices and components
- This course includes overlay technologies such as Virtual Routing and Forwarding (VRF), Generic Routing Encapsulation (GRE), VPN, and Location Identifier Separation Protocol (LISP)
- This course includes the components and concepts of wireless networking & various wireless deployment models.
- Configure secure administrative access for Cisco IOS devices using the Command-Line Interface (CLI) access, Role-Based Access Control (RBAC), Access Control List (ACL), and Secure Shell (SSH), and explore device hardening concepts to secure devices from less secure applications, such as Telnet and HTTP

Target Audience

- Mid-level network engineers
- Network administrators
- Network support technicians
- Help desk technicians

Course Outline:

- Examining Cisco Enterprise Network Architecture
- Understanding Cisco Switching Paths
- Implementing Campus LAN Connectivity
- Building Redundant Switched Topology
- Implementing Layer 2 Port Aggregation
- Understanding EIGRP
- Implementing OSPF
- Optimizing OSPF
- Exploring EBGp
- Implementing Network Redundancy
- Implementing NAT
- Introducing Virtualization Protocols and Techniques
- Understanding Virtual Private Networks and Interfaces
- Understanding Wireless Principles
- Examining Wireless Deployment Options
- Understanding Wireless Roaming and Location Services
- Examining Wireless AP Operation
- Understanding Wireless Client Authentication
- Troubleshooting Wireless Client Connectivity
- Introducing Multicast Protocols
- Introducing QoS
- Implementing Network Services
- Using Network Analysis Tools
- Implementing Infrastructure Security
- Implementing Secure Access Control
- Understanding Enterprise Network Security Architecture

- Exploring Automation and Assurance Using Cisco DNA Center
- Examining the Cisco SD-Access Solution
- Understanding the Working Principles of the Cisco SD-WAN Solution
- Understanding the Basics of Python Programming
- Introducing Network Programmability Protocols
- Introducing APIs in Cisco DNA Center and vManage

[For more details visit course page](#)

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