

Designing Cisco Enterprise Networks (ENSLD) v2.0

Duration 5 Days

COURSE DESCRIPTION

The Designing Cisco Enterprise Networks (ENSLD) training deepens your knowledge of designing enterprise networks. Topics covered include enterprise network design, including protocols and media for wired and wireless networks, SD-Access, VPN, Quality of Service (QoS), IPv6, and network programmability. This training earns you 40 Continuing Education (CE) credits towards recertification and helps prepare you to take the 300-420 Designing Cisco Enterprise Networks (ENSLD) exam, which is part of the CNP Enterprise, Cisco Certified Specialist - Enterprise Design certification.

COURSE OUTLINE

- Module 1: Designing EIGRP routing
- Module 2: Designing OSPF routing
- Module 3: Designing IS-IS routing
- Module 4: Designing BGP routing and redundancy
- Module 5: Exploring BGP Address Families and Attributes
- Module 6: Designing an Enterprise Campus LAN
- Module 7: Designing Layer 2 Campus
- Module 8: Designing a Layer 3 Campus
- Module 9: Discovering the Cisco SD-Access Architecture
- Module 10: Exploring Cisco SD-Access Fabric Design
- Module 11: Exploring Cisco SD-Access Site Design Strategy and Considerations
- Module 12: Discovering Service Provider-Managed VPNs
- Module 13: Designing Enterprise-Managed VPNs
- Module 14: Designing WAN Resiliency
- Module 15: Examining Cisco SD-WAN Architectures
- Module 16: Examining Cisco SD-WAN Deployment Design Considerations
- Module 17: Examining Cisco SD-WAN—NAT and Hybrid Design Considerations
- Module 18: Designing Cisco SD-WAN Routing and High Availability
- Module 19: Exploring QoS
- Module 20: Designing LAN and WAN QoS
- Module 21: Introducing Multicast
- Module 22: Exploring Multicast with PIM-SM
- Module 23: Designing Rendezvous Point Distribution Solutions
- Module 24: Designing an IPv4 Address Plan
- Module 25: Exploring IPv6
- Module 26: Deploying IPv6
- Module 27: Introducing Network APIs and Protocols
- Module 28: Exploring YANG, NETCONF, RESTCONF, and Model-Driven Telemetry

PREREQUISITES

Before taking this offering, you should be familiar with the following:

- Understanding network fundamentals
- Implementing LANs
- Implementing LAN connectivity

WHO SHOULD ATTEND

- Network design engineers
- Network engineers
- System administrators