

DESIGNING CISCO ENTERPRISE NETWORKS (ENSLD) V2.0

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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 course also helps you prepare to take the exam, 300-420 Designing Cisco Enterprise Networks (ENSLD), which is part of the CCNP® Enterprise and Cisco Certified Specialist – Enterprise Design certifications.

How you'll benefit

This class will help you:

- Learn the skills, technologies, and best practices needed to design an enterprise network
- Deepen your understanding of enterprise design including advanced addressing and routing solutions, advanced enterprise campus networks, WAN, security services, network services, and software-defined access SDA
- Validate your knowledge and prepare to take the Designing Cisco Enterprise Networks (ENSLD) exam
- Earn 40 CE credits toward recertification

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The primary audience for this course is as follows:

- Network Design Engineers
- Network Engineers
- System Administrators

OUTLINE

Module 1: Designing EIGRP Routing

Module 2: Designing OSPF Routing

Module 3: Designing IS-IS Routing

Module 4: Designing BGP Routing and Redundancy

Course Duration

5 days

Course Price

\$4,095.00 or 41 CLCs

Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

Module 5: Exploring BGP Address Families and Attributes

Module 6: Designing an Enterprise Campus LAN

Module 7: Designing a 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 21: Exploring Multicast with Protocol-Independent Multicast-Sparse Mode (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

LAB OUTLINE

- **Lab 1: Designing Enterprise Connectivity**
- **Lab 2: Designing an Enterprise Network with BGP Internet Connectivity**
- **Lab 3: Designing an Enterprise Campus LAN**
- **Lab 4: Designing Resilient Enterprise WAN**
- **Lab 5: Designing QoS in an Enterprise Network**
- **Lab 6: Designing an Enterprise IPv6 Network**