Designing Cisco Enterprise Networks (ENSLD)

Price: 4095

Duration:

Delivery Methods: Virtual

Overview

The Designing Cisco Enterprise Networks (ENSLD) training gives you the knowledge and skills you need to design an enterprise network. This training serves as a deep dive into enterprise network design and expands on the topics covered in the Implementing and Operating Cisco® Enterprise Network Core Technologies (ENCOR) training.

This training prepares you for the 300-420 ENSLD v1.1 exam. If passed, you earn the Cisco Certified Specialist – Enterprise Design certification and satisfy the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Enterprise certification.

Who Should Enroll

The primary audience for this course is as follows:

- Network design engineers
- Network engineers
- System administrators

How you'll benefit

This training 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)

COURSE OBJECTIVES

After taking this training, you should be able to:

- Design Enhanced Interior Gateway Routing Protocol (EIGRP) internal routing for the enterprise network
- Design Open Shortest Path First (OSPF) internal routing for the enterprise network
- Design Intermediate System to Intermediate System (IS-IS) internal routing for the enterprise network
- Design a network based on customer requirements
- Design Border Gateway Protocol (BGP) routing for the enterprise network
- Describe the different types and uses of Multiprotocol BGP (MP-BGP) address families
- Describe BGP load sharing
- Design a BGP network based on customer requirements
- Decide where the L2/L3 boundary will be in your Campus network and make design decisions
- Describe Layer 2 design considerations for Enterprise Campus networks
- Design a LAN network based on customer requirements
- Describe Layer 3 design considerations in an Enterprise Campus network
- Examine Cisco SD-Access fundamental concepts
- Describe Cisco SD-Access Fabric Design
- Design a Software-Defined Access (SD-Access) Campus Fabric based on customer requirements
- Design service provider-managed VPNs
- Design enterprise-managed VPNs
- Design a resilient WAN
- Design a resilient WAN network based on customer requirements
- Examine the Cisco SD-WAN architecture
- Describe Cisco SD-WAN deployment options
- Design Cisco SD-WAN redundancy
- Explain the basic principles of QoS
- Design Quality of Service (QoS) for the WAN
- Design QoS for enterprise network based on customer requirements
- Explain the basic principles of multicast
- Designing rendezvous point distribution solutions
- Describe high-level considerations when doing IP addressing design
- Create an IPv6 addressing plan
- Plan an IPv6 deployment in an existing enterprise IPv4 network
- Describe the challenges that you might encounter when transitioning to IPv6
- Design an IPv6 addressing plan based on customer requirements
- Describe Network APIs and protocols
- Describe Yet Another Next Generation (YANG), Network Configuration Protocol (NETCONF), and Representational State Transfer Configuration Protocol (RESTCONF)

Learning Path Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Understanding of network fundamentals
- LANs implementation
- LAN connectivity implementation

Course Schedule

Date	Time	Price	Options
09/14/2026	08:00 AM - 04:00 PM CT	4,095.00	Buy Now Enroll

Why Professional Choose TOPTALENT?

Dedicated Texas-Based Support

Get assistance every step of the way from our **Texas-based team**, ensuring your training experience is hassle-free and aligned with your goals.

3000+ Curated Professional Courses

Access an extensive portfolio of over 3000 courses across IT, Business Application and Leadership – Designed to meet evolving Industry demands

95% Client Approval Rating

Trusted by professionals nationwide our 95% approval rating reflects consistent quality, measurable impact and exceptional service.

Certified Industry Instructor

Learn from professionaly certified experts with real world experience and a proven commitment to learner success.

For questions

call:

(469) 721-6100

Email:

info@toptalentlearning.com

Find More Training

FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.