

Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD)

Duration: 40.00 hours (5 days)

32.5 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

The Designing Cisco Enterprise Networks (ENSLD) v1.1 course gives you the knowledge and skills you need to design an enterprise network. This course 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) v1.0 course. This course also helps you prepare to take the 300-420 Designing Cisco Enterprise Networks (ENSLD) exam which is part of the CCNP® Enterprise and Cisco Certified Specialist - Enterprise Design certifications.

About This Course

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Who Should Attend

Network design engineers

Network engineers

System administrators

Learning Outcomes

Upon successful completion of this course, participants will be able to:

After taking this course, 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)

Additional Course Details

Nexus Humans Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
 - Traditional Instructor-Led Classroom Training (ILT)
 - On-site delivery at your offices anywhere in United Kingdom
 - Private dedicated courses customized for your team
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Q: How many CPD hours does this course provide?

The 5-day Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD)?

Yes, we provide corporate training, dedicated training, and closed classes for Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:


- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024


Q: Are there any discount codes available?


Yes! Use discount code **PENPALS** when booking your Cisco Designing Cisco Enterprise Networks v1.1 (ENSLD) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

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