kod szkolenia: ENARSI / e-learning

Active Digital Learning - Implementing Cisco Enterprise Advanced Routing and Services

Cisco - Active Digital Learning

The **Implementing Cisco Enterprise Advanced Routing and Services (ENARSI)** training gives you the knowledge and skills needed to install, configure, operate, and troubleshoot a dual stack enterprise network. This training covers advanced routing and infrastructure technologies, expanding on the topics covered in the Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR) training.

This training prepares you for the 300-410 ENARSI v1.1 exam. If passed, you earn the Cisco Certified Specialist – Enterprise Advanced Infrastructure Implementation certification and satisfy the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Enterprise certification.

Access Duration: 180 days

Continuing Education Credits: 40

Training recipients

The training is aimed at:

- Entry-Level Network Engineers
- Network Administrators
- Network Support Technicians
- Help Desk Technicians

Benefits

Skills You'll Learn

- How to install, configure, and operate enterprise networks
- To troubleshoot enterprise networks with a focus on advanced routing and services
- To implement Layer 3 technologies, routing manipulation, VPN technology, network infrastructure, and network security solutions
- To demonstrate advanced knowledge of enterprise networking tools, technologies, and concepts

Training program

Learning Path Objectives

- Configure, optimize, and troubleshoot enhanced interior gateway routing protocol (EIGRP)
- Configure, optimize, and troubleshoot open shortest path first (OSPF)v2 and OSPFv3
- Implement and troubleshoot route redistribution using filtering mechanisms
- Implement and troubleshoot path control using policy-based routing (PBR) and IP service level agreement (SLA)
- Configure, optimize, and troubleshoot border gateway protocol (BGP)
- Implement multiprotocol BGP (MP-BGP)
- Describe the features of multiprotocol label switching (MPLS)
- Describe the major architectural components of an MPLS virtual private network (VPN)
- Identify the routing and packet forwarding functionalities for MPLS VPNs
- Explain how packets are forwarded in an MPLS VPN environment
- Implement Cisco internetwork operating system (IOS®) dynamic multipoint VPNs (DMVPNs)
- Implement and troubleshoot dynamic host configuration protocol (DHCP)
- Describe the tools available to secure the IPV6 first hop
- Troubleshoot Cisco router security features
- Troubleshoot infrastructure security and services
- Troubleshoot network issues with Cisco DNA Center Assurance

Expected preparation of the participant

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

- General understanding of network fundamentals
- Basic knowledge of local area network (LAN) implementation

- General understanding of network device management and security
- Basic knowledge of network automation
- General understanding of interior gateway protocol (IGP) routing, including EIGRP and OSPF
- General understanding of BGP
- General understanding of infrastructure security and services, including access control lists (ACLs), simple network management protocol (SNMP), DHCP, IP SLA, Syslog, authentication, authorization, and accounting (AAA), and control plane policing (CoPP)

These skills can be found in the following Cisco Learning Offerings:

- Implementing and Administering Cisco Solutions (CCNA)
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

Training Includes

- Labs
- Assessments
- Courses

Language

Language: English
Materials: English

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Examination description

The training prepares you for the **300-410 ENARSI**, exam, which can be taken for an additional fee at the PearsonVUE center. You can also take the exam on-line.
Details are available at: https://home.pearsonvue.com/cisco/onvue