



## **300-410 ENARSI Overview**

This ENARSI 300-410 exam includes two certifications which are the CCNP Enterprise and Cisco Certified Specialist - Enterprise Advanced Infrastructure which have duration of 90 minute.

This exam acknowledges an aspirant's knowledge and skills for troubleshooting and implementation of advanced routing technologies and services including infrastructure automation, Layer 3, VPN services, infrastructure services, and infrastructure security.

## **About the training**

- **Study Material:-** Live lectures, Streaming Recorded Videos, Online Lab Workbook, and Remote Virtual Lab access.
- **Duration:-** 5 Days (40 Hours)

## **Requirements**

Candidates should have basic knowledge of Enterprise routing and wireless connectivity, Python scripting and Implementation of Enterprise LAN networks.

## **What you will learn**

- Understanding the fundamentals of routing
- Understanding Basic and advanced EIGRP topics
- Understanding Basic and advanced OSPF topics
- Understanding Basic and advanced BGP topics
- Understanding MPLS and MPLS L3 VPN
- Understanding DMVPN
- Understanding Troubleshooting techniques
- Understanding Infrastructure automation

## **About Instructor**

The trainer of this course has 9+ years of industrial experience and is expert in technology. The trainer is also verified by UniNets itself. He has delivered vast and complex project on the same around the world.

## **Course Content**

### **Theory Outline**

- Implementing EIGRP
- Optimizing EIGRP
- Troubleshooting EIGRP
- Implementing OSPF
- Optimizing OSPF
- Troubleshooting OSPF
- Implementing Internal Border Gateway Protocol (IBGP)
- Optimizing BGP
- Implementing MP-BGP
- Troubleshooting BGP
- Configuring Redistribution
- Troubleshooting Redistribution
- Implementing Path Control
- Exploring MPLS
- Introducing MPLS L3 VPN Architecture
- Introducing MPLS L3 VPN Routing
- Configuring Virtual Routing and Forwarding (VRF)-Lite
- Implementing DMVPN
- Implementing DHCP
- Troubleshooting DHCP
- Introducing IPv6 First Hop Security
- Securing Cisco Routers
- Troubleshooting Infrastructure Security and Services

### **Lab Outline**

- Design EIGRP Using Classic Mode and Named Mode for IPv4 and IPv6
- Verify the EIGRP Topology Table
- Design EIGRP Stub Routing, Summarization, and Default Routing
- Design EIGRP Load Balancing and Authentication
- LAB: Troubleshoot EIGRP Issues
- Configure OSPFv3 for IPv4 and IPv6
- Verify the Link-State Database
- Configure OSPF Stub Areas and Summarization
- Configure OSPF Authentication
- Troubleshoot OSPF
- Implement Routing Protocol Redistribution
- Manipulate Redistribution
- Manipulate Redistribution Using Route Maps
- Troubleshoot Redistribution Issues
- Implement PBR
- Design IBGP and External Border Gateway Protocol (EBGP)
- Implement BGP Path Selection
- Configure BGP Advanced Features
- Configure BGP Route Reflectors
- Configure MP-BGP for IPv4 and IPv6

- Troubleshoot BGP Issues
- Implement PBR
- Configure Routing with VRF-Lite
- Implement Cisco IOS DMVPN
- Obtain IPv6 Addresses Dynamically
- Troubleshoot DHCPv4 and DHCPv6 Issues
- Troubleshoot IPv4 and IPv6 Access Control List (ACL) Issues
- Configure and Verify Control Plane Policing
- Configure and Verify Unicast Reverse Path Forwarding (uRPF)
- Fix Network Management Protocol Issues

**Note:** \*\*\*Most of the course topics are covered with hands-on lab exercises and others are theoretical

**Thank You**

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