Cisco 300-410 ENARSI - Implementing Cisco

Structured technical training and certification preparation

A practical, student-friendly outline covering welcome to ENARSI, eIGRP (Enhanced Interior Gateway Protocol), oSPF (Open Shortest Path First), ro...

MODULES
10

LESSONS
59

FORMAT
Self-paced

Module Breakdown

MODULE 1

Welcome to ENARSI
1.1 Welcome to ENARSI
1.2 A Few Things Before We Start

MODULE 2

EIGRP (Enhanced Interior Gateway Protocol)
2.1 EIGRP Features
2.2 EIGRP Operations
2.3 EIGRP Exchange of Routing Information
2.4 EIGRP Metrics
2.5 EIGRP Queries
2.6 EIGRP Obtaining a Default Route
2.7 EIGRP Load Balancing
2.8 EIGRP Authentication
2.9 Troubleshooting EIGRP Part 1
2.10 Troubleshooting EIGRP Part 2
2.11 Troubleshooting EIGRP Part 3
2.12 Troubleshooting EIGRP Part 4

MODULE 3

OSPF (Open Shortest Path First)
3.1 Implementing OSPF Part 1
3.2 Implementing OSPF Part 2
3.3 Implementing OSPF Part 3 DR BDR Election
3.4 Implementing OSPF Part 4 LSA Types
3.5 Implementing OSPF Part 5 OSPF States
3.6 Optimizing OSPF Summarization
3.7 Optimizing OSPF Default Routing
3.8 Optimizing OSPF Authentication
3.9 Optimizing OSPF Virtual Links

MODULE 4

Route Redistribution
4.1 Route Redistribution Introduction
4.2 Route Redistribution Implementation
4.3 Route Redistribution OSPF E1 or E2
4.4 Route Redistribution Types
4.5 Route Redistribution Manipulation & Filtering
4.6 Route Redistribution Prefix-Lists
4.7 Route Redistribution Route-Maps

Module Breakdown (continued)

MODULE 5

Implementing Path Control

5.1 Implementing Path Control
5.2 Implementing Path Control Implementation

MODULE 6

BGP (Border Gateway Protocol)

6.1 BGP Fundamentals
6.2 BGP Attributes
6.3 BGP Path Selection Criteria
6.4 BGP Transit AS
6.5 BGP Split Horizon
6.6 BGP Weight Attribute
6.7 BGP Local Preference Attribute
6.8 BGP MED Attribute
6.9 BGP Route Filtering
6.10 BGP Peer Groups
6.11 BGP Route Reflectors
6.12 BGP Authentication
6.13 BGP Troubleshooting Part 1
6.14 BGP Troubleshooting Part 2

MODULE 7

Implementing VRF (Virtual Routing and Forwarding)

7.1 Implementing VRF-Lite

MODULE 8

Implementing DHCP

8.1 Implementing DHCP
8.2 Implementing DHCP Relay Manual Binding and Options
8.3 Implementing DHCP SLAAC and DHCPv6
8.4 Troubleshooting DHCP

MODULE 9

Securing Cisco Routers (Control Plane)

9.1 Securing Cisco Routers Control Plane Security CoPP
9.2 Securing Cisco Routers Control Plane Security CoPP Implementation

MODULE 10

Infrastructure Services

10.1 Infrasctucture Services AAA
10.2 Infrastructure Services SNMP
10.3 Infrastructure Services SYSLOG
10.4 Infrastructure Services SSH
10.5 Infrastructure Services HTTP FTP SCP
10.6 Infrastructure Services NetFlow