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Cisco 300-101: CCNP - ROUTE - Implementing Cisco IP Routing

Module 1: Plan And Design

- Introduction
- Review Routing Fundamentals
- Review Route Selection
- Review Switching Versus Routing
- Review IP Subnetting
- Review How To Subnet
- Review IP Address Classes

Module 2: EIGRP Enhanced Interior Gateway Routing Protocol

- Plan And Design-Part1
- Plan And Design-Part2
- EIGRP Config
- Configuring RIPv6
- Building EIGRP Topology Table
- EIGRP Stub Routing
- EIGRP Summarization
- EIGRP Load Balancing
- Discovering Main EIGRP Configuration
- Implementing EIGRP Through Name Config
- Configure EIGRP Authentication
- Configure Authentication For EIGRP Routes

Module 3: IPv6

- Introduction To IPv6-Part1
- Introduction To IPv6-Part2
- IPv6 Addressing
- Basic IPv6 Configuration
- EIGRP For IPv6
- Configure And Optimize EIRGP For IPv6

Module 4: OSPF

- Introduction To OSPF-Part1
- Introduction To OSPF-Part2
- Introduction To OSPF-Part3
- Configure OSPF
- Building The Link State Database

- OSPF Path Selection
- OSPF Route Summarization
- OSPF Stub Areas
- Implement OSPF
- Optimize OSPF
- OSPF Authentication Configuration
- Configure OSPFV3
- Basic Redistribution

Module 5: Border Gateway Protocol BGP

- Introduction To BGP
- BGP Specifics
- Basic BGP
- BGP Path Selection
- Configure BGP Authentication
- Configure BGP

Module 6: Course Review

- Configure Basic EIGRP
- Basic OSPF Configuration
- Summary Of-EIGRP-OSPF-IPv6-BGP
- Conclusion