

Cisco Certified Network Professional (CCNP) ROUTE (300-101)

Length: 5 Days

Summary: This course will teach you how to implement advanced IP addressing plans and routing protocols in scalable Cisco networks. It will fully prepare you to pass the 642-902 ROUTE exam and is the only training you need, featuring both theoretical topics and practical examples.

Course Objectives: Upon completing this course, the learner will be able to meet these overall objectives:

- Describe routing protocols, different remote connectivity options and their impact on routing and implement RIPng
- Configure EIGRP in IPv4 and IPv6 environment
- Configure OSPF in IPv4 and IPv6 environment
- Implement route redistribution using filtering mechanisms
- Implement path control using policy based routing and IP SLA
- Implement enterprise Internet connectivity
- Secure Cisco routers according to best practices and configure authentication for routing protocols

COURSE CONTENT

Module 1: Basic Network and Routing Concepts

Module 2: EIGRP Implementation

Module 3: OSPF Implementation

Module 4: Configuration of Redistribution

Module 5: Path Control Implementation

Module 6: Enterprise Internet Connectivity

**Module 7: Routers and Routing Protocol
Hardening**