Deploying Cisco Service Provider Network Routing v1.0

SPROUTE

Delivery Type: Classroom
Duration: 5 days

Overview

This 5-day course is designed to provide service provider professionals with the knowledge and skills required to implement advanced routing when providing scalability on Cisco routers connected to LANs and WANs.

Use of these techniques should reduce the need to redesign the network when additional sites or wiring configurations are added. Hands-on labs provide the practice required to underline the advance routing concepts and methodologies, as well as providing practical experience with the Cisco IOS/IOS XE and IOS XR features required to support a Service Provider network.

Target Audience

This course is designed for network administrators, network engineers, network managers, and systems engineers who are involved in the implementation and configuartion of IP routing in a service provider environment as well as individuals looking for CCNP Service Provider accreditation.

Certification

Recommended preparation for exam(s):

✓ 642-883 SPROUTE - Deploying Cisco Service Provider Network Routing

This exam is one of the four exams required for delegates looking to achieve the Cisco Certified Network Professional for Service Providers.

Pre-Requisites

Attendees should meet the following prerequisites:

✓ Intermediate knowledge of Cisco IOS/IOS XE and Cisco IOS XR Software configuration. SPNGN1 and SPNGN2 recommended

Objectives

After completing this program, you will be able to:

✓ Identify the typical routing requirements and list the routing protocols in service provider networks
✓ Describe steps needed to implement OSPF in the service provider network
✓ Describe the importance of the Integrated IS-IS routing protocol for internal routing and list the

DADA.BG
SAY YES TO SUCCESS

steps in implementing Integrated IS-IS into the service provider network
- ✓ Implement BGP to connect an enterprise to a service provider, and a service provider to an upstream service provider
- ✓ Describe tools used for routing protocol manipulation, route redistribution, and BGP route selection

Follow on Courses
The following courses are recommended for further study:
- ✓ SPADVROUTE - Deploying Cisco Service Provider Network Advanced Routing
- ✓ SPCORE - Implementing Cisco Service Provider Next Generation Core Network Services
- ✓ SPEDGE - Implementing Cisco Service Provider Next Generation Edge Network Services