SPROUTE (DEPLOYING CISCO SERVICE PROVIDER NETWORK ROUTING)

Objetivo

The Deploying Cisco Service Provider Network Routing (SPROUTE) v1.2 is a five-day course that provides service provider professionals with information on the use of advanced routing in implementing scalability for Cisco routers that are connected to LANs and WANs. It is designed to help students prepare for the Cisco CCNP SP certification. The SPROUTE course is a component of the CCNP SP curriculum. The goal is to train professionals to dramatically increase the number of routers and sites using these techniques instead of redesigning the network when additional sites or wiring configurations are added. The SPROUTE training reinforces the instruction by providing students with hands-on labs to ensure they thoroughly understand how to implement advanced routing within their networks. The course also includes classroom activities with remote labs that are useful to gain practical skills on deploying Cisco IOS/IOS XE and Cisco IOS XR features to operate and support service provider network.

Público Alvo

Channel Partner / Reseller Customer Employee

Pré-Requisitos

SPNGNG1 and SPNGN2 Recommended

Carga Horária

40 horas (5 dias).

Conteúdo Programático

Module 1: Service Provider Routing
Lesson 1: Understanding Service Provider Routing Protocols
Module 2: Implement OSPF in the Service Provider Network
Lesson 1: Introducing OSPF Routing
Lesson 2: Understanding OSPF Operation
Lesson 3: Implementing OSPF Routing
Lesson 4: Implementing OSPF Special Area Types
Module 3: Implement Integrated IS-IS in the Service Provider Network
Lesson 1: Introducing IS-IS Routing
Lesson 2: Implementing Integrated IS-IS Routing
Module 4: Implement BGP in the Service Provider Network
Lesson 1: Enterprise Connectivity to Service Providers

Lesson 2: Introducing BGP Routing
Lesson 3: Implementing Basic BGP Routing
Module 5: Routing Protocol Tools and Route Manipulation
Lesson 1: Introducing Routing Protocol Tools
Lesson 2: Introducing Route Maps and Routing Policy Language
Lesson 3: Implementing Route Redistribution
Lesson 4: Influencing BGP Route Selection