IT-SPRI - Implementing Cisco Service Provider Advanced Routing Solutions

Cisco - CCNP Service Provider - Networking

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**Cisco Certified Network Professional Service Provider**

Descrizione del corso

The Implementing Cisco Service Provider Advanced Routing Solutions (SPRI) course teaches you theories and practices to integrate advanced routing technologies including routing protocols, multicast routing, policy language, Multiprotocol Label Switching (MPLS), and segment routing, expanding your knowledge and skills in service provider core networks. This course helps you prepare to take the 300-510 SPRI exam, one of the four concentration exams that you can choose after 350-501 SPCOR exam to achieve the CCNP Service Provider certification. The 300-510 SPRI exam will be available on February 24, 2020.

Programma

• Implementing and Verifying Open Shortest Path First Multiarea Networks
• Implementing and Verifying Intermediate System to Intermediate System Multilevel Networks
• Introducing Routing Protocol Tools, Route Maps, and Routing Policy Language
• Implementing Route Redistribution
• Influencing Border Gateway Protocol Route Selection
• Scaling BGP in Service Provider Networks
• Securing BGP in Service Provider Networks
• Improving BGP Convergence and Implementing Advanced Operations
• Troubleshooting Routing Protocols
• Implementing and Verifying MPLS

- Implementing Cisco MPLS Traffic Engineering
- Implementing Segment Routing
- Describing Segment Routing Traffic Engineering (SR TE)
- Deploying IPv6 Tunneling Mechanisms
- Implementing IP Multicast Concepts and Technologies
- Implementing PIM-SM Protocol
- Implementing PIM-SM Enhancements
- Implementing Interdomain IP Multicast
- Implementing Distributed Rendezvous Point Solution in Multicast Network

Lab outline

- Implement OSPF Special Area Types (IPv4 and IPv6)
- Implement Multiarea IS-IS
- Implement Route Redistribution
- Influence BGP Route Selection
- Implement BGP Route Reflectors
- Implement BGP Security Options
- Troubleshoot Routing Protocols
- Implement MPLS in the Service Provider Core
- Implement Cisco MPLS TE
- Configure and Verify Interior Gateway Protocol (IGP) Segment Routing
- Implement Tunnels for IPv6
- Enable and Optimize PIM-SM
- Implement PIM-SM Enhancements
- Implement Rendezvous Point Distribution