

Building Cisco Service Provider Next Generation Networks, Part 1 (SPNGN1) 1.2 (CS-SPNGN1)

Modality: Virtual Classroom

Duration: 3 Days

CLC: 31 Units

About this course:

The course of Building Cisco Service Provider Next-Generation Networks, Part 1 related to the certification for the Service Provider of CCNA. The course is an Instructor Lead Training course for 5-days that gives network technicians and engineers the information and aptitudes important to actualize and support a network of the service provider. The course gives information on the significant parts of a system and causes students to see how service provider networks work. The course presents the architecture of an IP Next-Generation Network (IP NGN) that causes service providers to create scalable, modern, and reliable networks. The course additionally incorporates classroom exercises with remote labs that are valuable to increase useful aptitudes for deploying IOS XE / Cisco IOS and the software features of Cisco IOS XR to work and support the networks of a service provider. Toward the fulfillment of this course, you will be furnished with the essential information to take Cisco exam of 640-875 SPNGN1.

Cisco: exam of 640-875 SPNGN1 is the first of, 1 of 2 required tests to gain the Certification of CCNA Service Provider.

To get ready for the second test you can take on Building Cisco Service Provider Next-Generation Networks, Part 2 (SPNGN2) 1.2 (CS-SPNGN2). After this course effectively culmination you can endeavor the Cisco exam of 640-878 SPNGN2 and in the end, procure the Certification of CCNA Service Provider.

Salary Estimate:

The normal compensation for the Engineer of a Cisco Certified Network is \$77,484 every year.

Course Objectives:

After finishing this course, learners will have the ability of:

1. Explain IP basics that are imperative to build host-to-host communication, IP networks, and network functions and components.
2. Define fundamental LAN switching and verify and configure essential functions of LAN switch.
3. Describe discuss considerations and routing concepts when executing routing on a system
4. Describe the functions, characteristics, and components of a WAN network of the service provider.
5. Explain the concepts of network management and discuss considerations when executing the features and tools of network management on the network.

Targeted Audience:

This course is projected for:

- Network managers
- Network engineers
- Network administrators

Prerequisites:

- Basic computer literacy
- Basic skills of Internet usage
- Basic navigation skills of Microsoft Windows

Course Outline:

- **Module 1: IP Fundamentals**
- **Module 2: Basic LAN Switching**
- **Module 3: Basic IP Routing**
- **Module 4: Connectivity Technologies**
- **Module 5: Network Management and Security**

