



Overview

Growing Need for Service Provider Network Professionals

The service provider space continues to evolve. And many service providers are looking to transform to “experience providers” who offer fully integrated, voice, video, data, mobile, and cloud services to anyone, anywhere. These services can be used anytime, on any device, securely, reliably, and transparently. A properly-installed and maintained IP next-generation network is critical to making this transition.

The Cisco® Service Provider Certification Program meets the growing demand for professionals who can implement, troubleshoot, and optimize a carrier-grade IP next-generation network. By participating in this program, network engineers are trained in the latest core and intelligent edge technologies.

In addition, candidates are trained to deliver a scalable, carrier-grade infrastructure that can be rapidly expanded. They can then support the ongoing introduction of new managed services and other customer requirements.

Job-Ready Practical Skills

The Cisco Service Provider Certification Program covers the latest industry and Cisco Service Provider technologies deployed within a service provider infrastructure. This program specifically aligns to the actual job tasks of network engineers, who configure, implement, troubleshoot, and optimize IP next-generation service provider networks.

This program teaches the job-ready, practical skills and knowledge needed to successfully implement and optimize

carrier-grade IP next-generation networks. It prepares these networks to offer intelligent, rapidly deployable managed services.

Certification candidates learn these skills by working in lab environments based on Cisco Service Provider carrier-grade core, edge, and access hardware, along with the latest Cisco IOS XR, Cisco IOS® XE, and Cisco IOS Software. This offers a good balance between technology and job role, and prepares network engineers to build modern, scalable, and reliable IP next-generation networks.

Curriculum Overview

Network engineers spend most of their time on implementation, and slightly less time on design, strategy, monitoring, support, and maintenance.

Over the next five years, risk and security management, troubleshooting and escalation, and installation and configuration of traditional and advanced servers will be most important to them.

The Cisco Service Provider Curriculum covers the breadth of job-related skills for network engineers. It also introduces candidates to the IP Next-Generation Network Architecture, and gives network engineers information and practice activities to implement a real-world service provider network.

Achieving CCNA Service Provider Certification

The CCNA® Service Provider curriculum lays the foundation for service provider network engineering job roles. Candidates will learn how to configure, implement, verify, and troubleshoot a service provider IP next-generation network. This includes, but is not limited to, job tasks such as implementing network and service build-outs from engineering design documents.

Requirements

The CCNA Service Provider certification program is a three-year certification program. It recognizes network engineers, field engineers, and operations engineers that work in the service provider environment.

There are no prerequisites for the CCNA Service Provider certification exams. However, it's recommended that candidates have at least one to three years of experience working in the service provider network environment.

Recommended Skills and Knowledge

The following table contains information related to exams and recommended training associated with CCNA Service Provider Certification:

Table 1: CCNA Service Provider Exams and Recommended Training

Exam Numbers	Recommended Training Course Names
640-875	Building Cisco Service Provider Next-Generation Networks, Part 1 (SPNGN1)
640-878	Building Cisco Service Provider Next-Generation Networks, Part 2 (SPNGN2)

Achieving CCNP Service Provider Certification

The CCNP® Service Provider Curriculum lays the foundation for service provider network engineering job roles. The candidates will learn how to configure, verify, troubleshoot, and optimize routing policies. And they'll provide technical leadership to operations support personnel, as well as validation and optimization input to network design engineers.

Requirements

The CCNP Service Provider Certification Program is a three-year program intended to recognize network engineers, field engineers, and operations engineers that work in the service provider environment.

Before attempting to obtain CCNP Service Provider Certification, a candidate must have a valid CCNA Service Provider Certification. And it's recommended that a candidate have at least three to five years of experience working in the service provider network environment.

Recommended Skills and Knowledge

The following table contains information related to exams and recommended training associated with CCNP Service Provider Certification:

Table 2: Exams and Recommended Training

Exam Numbers	Recommended Training Course Names
642-883	Deploying Cisco Service Provider Network Routing (SPROUTE)
642-885	Deploying Cisco Service Provider Advanced Network Routing (SPADVROUTE)
642-887	Implementing Cisco Service Provider Next-Generation Core Network Services (SPCORE)
642-889	Implementing Cisco Service Provider Next-Generation Edge Network Services (SPEDGE)

Cisco Service Provider Certification



Achieving CCIE Service Provider Certification

The Cisco CCIE Service Provider Certification validates expert-level knowledge and skills for building an extensible service provider infrastructure to deliver comprehensive managed services.

Requirements

The Cisco CCIE Service Provider Certification is a two-year program. It recognizes the Cisco Service Provider network experts who have the necessary skills to implement, troubleshoot, and optimize Cisco Service Provider IP Next-Generation Networks.

Attaining and maintaining this performance-based, practical certification validates skills that are only achievable by experts in the service provider field. This certification carries prestige that's admired by service provider professionals worldwide.

To obtain a CCIE Service Provider Certification, candidates must prove their theoretical knowledge of service provider networks and best practices with a written test. They must also demonstrate this knowledge in a lab environment, using Cisco carrier-class equipment in real-world scenarios.

There are no formal prerequisites for CCIE Service Provider certification. Candidates are expected to have an in-depth understanding of the exam topics and strongly encouraged to have greater than five years of job experience before attempting certification.

Recommended Skills and Knowledge

The following table contains information related to the exam associated with CCIE Service Provider Certification:

Table 3: CCIE Service Provider Exams

Required Exams
CCIE Service Provider Written Exam v3.0 (350-029) Last day to test: May 21, 2015
or
CCIE Service Provider Written Exam v4.0 (400-201) Available: May 22, 2015
and
CCIE Service Provider Lab Exam v3.0 Last day to test: May 21, 2015
or
CCIE Service Provider Lab Exam v4.0 Available: May 22, 2015

Learn More

For more information or to register for this program, visit <https://learningnetwork.cisco.com>.

