



Designing and Implementing Cisco Service Provider Cloud Network Infrastructure 1.0

What you'll learn in this course

The Designing and Implementing Cisco Service Provider Cloud Network Infrastructure training teaches you how to design and implement virtualization cloud infrastructures in a service provider network. You will learn about virtualized network function infrastructures and how to use programmability and orchestration to manage virtualization cloud infrastructures. You will also learn about cloud computing and implementation of cloud interconnect and data center interconnect solutions. In addition, you will learn how to monitor and secure virtualization cloud infrastructures and provide optimization and high availability within the infrastructures.

This training prepares you for the 300-540 SPCNI v1.0 exam. If passed, you earn the Cisco Certified Specialist – Service Provider Cloud Network Infrastructure certification and satisfy the concentration exam requirement for the Cisco Certified Networking Professional (CCNP) Service Provider certification. This training also earns you 40 Continuing Education (CE) credits toward recertification.

Course duration

- Instructor-led training: 5 days

Who Should Attend

- System Engineers
- Technical Support Personnel
- Channel Partners
- Resellers

How to enroll

To enroll in the SPCNI course or explore our larger catalog of courses on Cisco Digital Learning, contact us at <training@fastlane-mea.com>

Outline

- Cisco NFV Infrastructure
- Service Provider Model-Driven Programmability
- Network Orchestration using NSO
- Container Orchestration
- Cloud Computing
- MPLS and Segment Routing
- Cloud Interconnect Solutions
- Data Center Interconnect Solutions
- Service Provider Control Plane Security
- Service Provider Data Plane Security
- Service Provider High Availability
- Service Provider Core Optimization
- Service Provider Performance Monitoring
- Cisco Crosswork Network Controller

Prerequisites

The knowledge and skills you are expected to have before attending this training are:

- Routing protocol configuration experience with BGP, Intermediate System-to-Intermediate System (IS-IS), and Open Shortest Path First (OSPF)
- Knowledge of Layer 2 IEEE switching and related protocols, including MPLS configuration and troubleshooting of Cisco routers in a large network environment

These skills can be found in the following Cisco Learning Offerings:

- Implementing and Administering Cisco Solutions (CCNA) 2.0
- Understanding Cisco Service Provided Network Foundations (SPFNDU) 1.0
- Implementing and Operating Cisco Service Provider Network Core Technologies (SPCOR) 1.1