

Implementing and Operating Cisco Service Provider Network Core Technologies (SPCOR)

ID SPCOR Price 4,795.— €(excl. tax) Duration 5 days

Course Overview

The **Implementing and Operating Cisco Service Provider Network Core Technologies (SPCOR)** course teaches you how to configure, verify, troubleshoot, and optimize next-generation, Service Provider IP network infrastructures. It provides a deep dive into Service Provider technologies including core architecture, services, networking, automation, quality of services, security, and network assurance. **How You'll Benefit**

This course will help you:

- Configure, verify, troubleshoot, and optimize next-generation, Service Provider IP network infrastructures
- Deepen your understanding of Service Provider technologies including core architecture, services, networking, automation, quality of services, security, and network assurance
- Prepare to take the 350-501 Implementing and Operating Cisco® Service Provider Network Core Technologies (SPCOR)
- Earn 64 CE credits toward recertification

What to Expect in the Exam

- Configure, verify, troubleshoot, and optimize next-generation, Service Provider IP network infrastructures
- Deepen your understanding of Service Provider technologies including core architecture, services, networking, automation, quality of services, security, and network assurance
- Prepare to take the 350-501 Implementing and Operating Cisco® Service Provider Network Core Technologies (SPCOR) exam

Who should attend

- Network administrators
- Network engineers
- Network managers
- System engineers

- Project managers
- Network designers

This course is part of the following Certifications

Cisco Certified Network Professional Service Provider (CCNP SERVICE PROVIDER)

Prerequisites

Before taking this course, you should have the following knowledge and skills:

- Intermediate knowledge of Cisco IOS or IOS XE
- Familiarity with Cisco IOS or IOS XE and Cisco IOS XR Software configuration
- Knowledge of IPv4 and IPv6 TCP/IP networking
- Intermediate knowledge of IP routing protocols
- Understanding of MPLS technologies
- Familiarity with VPN technologies

Course Objectives

After taking this course, you should be able to:

- Explain the Cisco Unified Intelligence Center including the benefits and features of the system and describe the high-level architecture of Cisco Unified Intelligence Center in the UCCE environment
- Understand the Cisco Unified Intelligence Center administration console to perform Cisco Unified Intelligence Center administrative, maintenance and provisioning functions
- Discuss the functional attributes of the Cisco Unified Intelligence Center
- Customize Cisco Unified Intelligence Center Reports and Views

Detailed Course Outline

- Describing Service Provider Network Architectures

- Describing Cisco IOS Software Architectures
- Implementing OSPF
- Implementing IS-IS
- Implementing BGP
- Implementing Route Maps and Routing Protocol for LLN [Low-Power and Lossy Networks] (RPL)
- Transitioning to IPv6
- Implementing High Availability in Networking
- Implementing MPLS
- Implementing Cisco MPLS Traffic Engineering
- Describing Segment Routing
- Describing VPN Services
- Configuring L2VPN Services
- Configuring L3VPN Services
- Implementing Multicast
- Describing QoS Architecture
- Implementing QoS
- Implementing Control Plane Security
- Implementing Management Plane Security
- Implementing Data Plane Security
- Introducing Network Programmability
- Implementing Automation and Assurance
- Introducing Cisco NSO
- Implementing Virtualization in Service Provider Environments

About Fast Lane



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- ✓ E-Learning
- ✓ Blended & Hybrid Learning
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Germany

**Fast Lane Institute for Knowledge
Transfer GmbH**
Tel. +49 40 25334610
info@flane.de / www.flane.de

Austria

ITLS GmbH
(Partner of Fast Lane)
Tel. +43 1 6000 8800
info@itls.at / www.itls.at

Switzerland

**Fast Lane Institute for Knowledge
Transfer (Switzerland) AG**
Tel. +41 44 8325080
info@flane.ch / www.flane.ch