Implementing Cisco Service Provider VPN Services (SPVI)

Category: Networking & Security | **Vendor:** Cisco

Duration: 40.00 hours (5 days) **32.5 CPD Hours**

Rating: ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Cisco Certified Specialist - Service Provider VPN Services Implementation, Cisco Certified Network Professional (CCNP) Service Provider, Cisco Certified Specialist – Service Provider VPN Services Implementation
Related Exam:	300-515

Course Overview

The Implementing Cisco Service Provider VPN Services (SPVI) training prepares network professionals to implement and support Virtual Private Network (VPN) solutions on top of an MPLS network infrastructure. The goal is to prepare you to deploy, configure, monitor, operate, and troubleshoot end customer VPN environments built over a common Service Provider MPLS backbone. This training also includes labs to reinforce concepts including MPLS VPN fundamentals, benefits, classifications, components, control plane and data plane operations, VPN routing using Virtual Routing and Forwarding (VRF), Layer 3 MPLS VPNs, Layer 2 MPLS VPNs, IPv6 MPLS VPN implementations, IP Multicast VPNs, shared services VPNs, and solutions for deploying MPLS VPN traversing multiple service providers domains.

This training prepares you for the 300-515 SPVI v1.1 exam. If passed, you earn the Cisco Certified Specialist - Service Provider VPN Services Implementation certification and satisfy the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Service Provider certification. This training also earns you 40 Continuing Education (CE) credits toward recertification.

How You'll Benefit

This training will help you:

- Gain valuable skills in reinforcing MPLS VPN fundamental concepts, benefits, and classifications
- Learn to configure optional paths for traffic to avoid network congestion
- Prepare for the 300-515 SPVI v1.1 exam
- Earn 40 CE credits toward recertification

What to expect in the exam

Implementing Cisco Service Provider VPN Services (300-515 SPVI) v1.1 is a 90-minute exam associated with the Cisco Certified Specialist – Service Provider VPN Services Implementation certification and satisfies that concentration exam requirement for the Cisco Certified Network Professional Service ProviderCCNP SERVICE PROVIDER.

About This Course

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Who Should Attend

- Network Administrators
- Network Engineers
- Network Supervisors
- Network Managers
- Network Operations Center (NOC) Personnel
- Network Designers
- Network Architects
- Channel Partners

Prerequisites & Entry Requirements

General Prerequisites:

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are found in the following Cisco Learning Offerings:

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

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Describe VPN concepts and operation in a service provider environment
- Implement Layer 3 MPLS VPN operations in a service provider environment
- Implement Layer 3 Inter-domain MPLS VPN services traversing multiple service providers
- Implement Layer 3 Multicast MPLS VPN operations in a service provider environment
- Troubleshoot typical issues in Layer 3 MPLS VPN environments
- Implement Layer 2 VPN operations in a service provider environment
- Troubleshoot Layer 2 VPN issues in a service provider network
- Implement MPLS VPN solutions for IPv6 environments
- Troubleshoot MPLS VPN solutions for IPv6 environments

Detailed Course Outline

- Introducing VPN Services
- Troubleshooting MPLS VPN Underlay
- Implementing Layer 3 MPLS VPNs
- Implementing Layer 3 Interdomain MPLS VPNs
- Implementing Layer 3 Multicast MPLS VPNs
- Troubleshooting Intra-AS Layer 3 VPNs
- Implementing Layer 2 VPNs
- Troubleshooting Layer 2 VPNs
- Implementing Layer 3 IPv6 MPLS VPNs
- Troubleshooting Layer 3 IPv6 MPLS VPNs

Certification Path

Cisco Certified Specialist - Service Provider VPN Services Implementation, Cisco Certified Network Professional (CCNP) Service Provider, Cisco Certified Specialist – Service Provider VPN Services Implementation

Exam: 300-515

Skills You Will Learn:

- Describe VPN concepts and operation in a service provider environment
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- Implement Layer 2 VPN operations in a service provider environment
- Troubleshoot Layer 2 VPN issues in a service provider network
- Implement MPLS VPN solutions for IPv6 environments
- Troubleshoot MPLS VPN solutions for IPv6 environments

Frequently Asked Questions

Q: What delivery options are available for Implementing Cisco Service Provider VPN Services (SPVI)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Implementing Cisco Service Provider VPN Services (SPVI) course helps prepare you for the Cisco Certified Specialist - Service Provider VPN Services Implementation, Cisco Certified Network Professional (CCNP) Service Provider, Cisco Certified Specialist – Service Provider VPN Services Implementation certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the 300-515 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day Implementing Cisco Service Provider VPN Services (SPVI) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Implementing Cisco Service Provider VPN Services (SPVI) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Implementing Cisco Service Provider VPN Services (SPVI)?

Yes, we provide corporate training, dedicated training, and closed classes for Implementing Cisco Service Provider VPN Services (SPVI). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Implementing Cisco Service Provider VPN Services, Cisco Professional Level Service Provider - CCNP, SPVI

Q: Why choose Nexus Human for Implementing Cisco Service Provider VPN Services (SPVI)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Implementing Cisco Service Provider VPN Services (SPVI) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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