kod szkolenia: SPVI / PL DL 5d

Implementing Cisco Service Provider VPN Services v1.1

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.

Pay with CLC points.:

Cisco Learning Credits accepted : 43 Credits

Details and registration on the provider's website:

https://learninglocator.cloudapps.cisco.com/#/home

The Cisco Continuing Education program is a flexible offering dedicated to all active individuals holding certifications at the Associate, Specialist, Professional, and Expert levels.

Learn more about how you can recertify through CE to maintain your certification status.

Cisco Continuing Education Program - CE

Participation in authorized training allows you to earn additional points needed to maintain your certification.

SPVI: 40 points CE

Odbiorcy szkolenia

This course is for network professionals who need to learn the techniques to implement, configure, monitor, and support Service Provider VPN solutions based on MPLS backbones.

- Network administrators
- Network engineers
- Network supervisors
- Network managers
- Network Operations Center (NOC) personnel
- Network designers
- Network architects
- Channel partners

Korzyści

This course 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 to take the 300-515 SPVI exam

Program szkolenia

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

Lab Outline

- Verify the Service Provider Backbone Operation for MPLS VPN
- Work with VRF Instances
- Troubleshoot the MPLS VPN Backbone
- Configure MP-BGP as the PE-CE Routing Protocol
- Configure and Verify PE-to-CE Routing Requirements
- Enable Shared Services VPN
- Deploy Internet Access as a VPN Service
- Implement Multicast VPN with mLDP
- Troubleshoot Layer 3 MPLS VPN End-Customer Connectivity
- Implement Different EVPN Solutions
- Troubleshoot EVPN VPWS
- Implement 6VPE

Oczekiwane przygotowanie uczestnika

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)**

Szkolenie obejmuje

- 5 days of work with the trainer
  Trainer supervision
  Contact with the community
  Authorized electronic version of the textbook

Laboratory environment

Training method:

- Lecture
- Workshops

Język

- Szkolenie: polski
- Materiały: angielski

Czas trwania

5 dni / 35 godzin

Opis egzaminu

Szkolenie przygotowuje do egzaminu 300-515, który można zdawać za dodatkową opłata w centrum PearsonVUE. Egzamin można również zdawać w formule on-line. Szczegóły dostępne są na stronie: https://home.pearsonvue.com/cisco/onvue