

JL2V - Junos Layer 2 VPNs

Duration: 16.00 hours (2 days)

13.0 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This two-day course is designed to provide students with MPLS-based Layer 2 virtual private network (VPN) knowledge and configuration examples.

About This Course

This two-day course is designed to provide students with MPLS-based Layer 2 virtual private network (VPN) knowledge and configuration examples.

Who Should Attend

This course benefits individuals responsible for configuring and monitoring devices running the Junos OS.

Course Level : Junos Layer 2 VPNs (JL2V) is an advanced-level course.

Learning Outcomes

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

Define the term virtual private network.

Describe the business drivers for MPLS VPNs.

Describe the differences between Layer 2 VPNs and Layer 3 VPNs.

List advantages for the use of MPLS Layer 3 VPNs and Layer 2 VPNs.

Describe the roles of a CE device, PE router, and P router in a BGP Layer 2 VPN.

Explain the flow of control traffic and data traffic for a BGP Layer 2 VPN.

Configure a BGP Layer 2 VPN and describe the benefits and requirements of over-provisioning.

Monitor and troubleshoot a BGP Layer 2 VPN.

Explain the BGP Layer 2 VPN scaling mechanisms and route reflection.

Describe the Junos OS BGP Layer 2 VPN CoS support.

Describe the flow of control and data traffic for an LDP Layer 2 circuit.

Configure an LDP Layer 2 circuit.

Monitor and troubleshoot an LDP Layer 2 circuit.

Describe the operation of FEC 129 BGP autodiscovery for Layer 2 VPNs.

Configure a FEC 129 BGP autodiscovery Layer 2 VPN.

Monitor and troubleshoot a FEC 129 BGP autodiscovery for Layer 2 VPNs.

Describe the difference between Layer 2 MPLS VPNs and VPLS.

Explain the purpose of the PE device, the CE device, and the P device.

Explain the provisioning of CE and PE routers.

Describe the signaling process of VPLS.

Describe the learning and forwarding process of VPLS.

Describe the potential loops in a VPLS environment.

Configure BGP, LDP, and FEC 129 BGP autodiscovery VPLS.

Troubleshoot VPLS.

Describe the purpose and features of Ethernet VPN.

Configure Ethernet VPN.

Monitor and troubleshoot Ethernet VPN.

Describe the Junos OS support for hierarchical VPN models.

Describe the Junos OS support for Carrier-of-Carriers VPN Option C.

Configure the interprovider VPN Option C.

Describe the Junos OS support for multisegment pseudowire for FEC 129.

Describe and configure circuit cross-connect (CCC).

Additional Course Details

Nexus Humans JL2V - Junos Layer 2 VPNs training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the JL2V - Junos Layer 2 VPNs course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for JL2V - Junos Layer 2 VPNs?

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
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Q: How many CPD hours does this course provide?

The 2-day JL2V - Junos Layer 2 VPNs course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the JL2V - Junos Layer 2 VPNs training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for JL2V - Junos Layer 2 VPNs?

Yes, we provide corporate training, dedicated training, and closed classes for JL2V - Junos Layer 2 VPNs. 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: Why choose Nexus Human for JL2V - Junos Layer 2 VPNs?

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 JL2V - Junos Layer 2 VPNs 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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