

JMF - Junos MPLS Fundamentals

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 a solid foundation on Multiprotocol Label Switching (MPLS).

About This Course

This two-day course is designed to provide students with a solid foundation on Multiprotocol Label Switching (MPLS).

Who Should Attend

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

Learning Outcomes

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

Describe the history and rationale for MPLS, as well as its basic terminology.

Explain the MPLS label operations (push, pop, swap) and the concept of label-switched path (LSP).

Describe the configuration and verification of MPLS forwarding.

Describe the functionalities and operation of RSVP and LDP.

Configure and verify RSVP-signaled and LDP-signaled LSPs.

Select and configure the appropriate label distribution protocol for a given set of requirements.

Describe the default Junos OS MPLS traffic engineering behavior.

Explain the Interior Gateway Protocol (IGP) extensions used to build the Traffic Engineering Database (TED).

Describe the Constrained Shortest Path First (CSPF) algorithm, its uses, and its path selection process.

Describe administrative groups and how they can be used to influence path selection.

Describe the default traffic protection behavior of RSVP-signaled LSPs.

Explain the use of primary and secondary LSPs.

Describe the operation and configuration of fast reroute.

Describe the operation and configuration of link and node protection.

Describe the operation and configuration of LDP loop-free alternate.

Describe the LSP optimization options.

Explain LSP priority and preemption.

Describe the behavior of fate sharing.

Describe how SRLG changes the CSPF algorithm when computing the path of a secondary LSP.

Explain how extended admin groups can be used to influence path selection.

Explain the purpose of several miscellaneous MPLS features.

Additional Course Details

Nexus Humans JMF - Junos MPLS Fundamentals 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 JMF - Junos MPLS Fundamentals 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 JMF - Junos MPLS Fundamentals?

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 JMF - Junos MPLS Fundamentals 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 JMF - Junos MPLS Fundamentals 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 JMF - Junos MPLS Fundamentals?

Yes, we provide corporate training, dedicated training, and closed classes for JMF - Junos MPLS Fundamentals. 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 JMF - Junos MPLS Fundamentals?

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 JMF - Junos MPLS Fundamentals training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

 Email: info@nexushuman.com

 Website: www.nexushuman.com

 Phone: +353 1 XXX XXXX (Ireland) | +44 20 XXXX XXXX (UK)