

JMR - Junos Multicast Routing

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 detailed coverage of multicast protocol.

About This Course

This two-day course is designed to provide students with detailed coverage of multicast protocol.

Who Should Attend

Network engineers, technical support personnel, reseller support engineers, and others responsible for implementing and/or maintaining the Juniper Networks products covered in this course.

This course benefits individuals responsible for implementing, monitoring, and troubleshooting multicast components in a service provider's network.

Learning Outcomes

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

Identify the components of IP multicast

Explain how IP multicast addressing works

Identify the need for reverse path forwarding (RPF) in multicast

Explain the role of IGMP and describe the available IGMP versions

Configure and monitor IGMP

Explain the differences between dense-mode and sparse-mode protocols

Describe rendezvous point (RP) discovery options

Configure and monitor PIM dense and sparse modes

Configure and monitor rendezvous point discovery mechanisms

Explain the purpose and operation of MSDP

Describe the usage of MSDP within a single PIM domain with Anycast RP

Describe the usage of MSDP across multiple PIM domains

Configure and monitor MSDP

Compare the any-source multicast (ASM) and source-specific multicast (SSM) service models

Describe the basic requirements, benefits, and caveats of SSM

List the address ranges used for SSM

Illustrate the role of IGMPv3 and PIM-SM in an SSM implementation

Configure and monitor SSM

Describe the default PIM sparse mode information distribution

Explain how routing policies alter PIM message traffic

Describe how MSDP advertises messages to established peers

Identify the role of a policy in controlling MSDP message advertisement

Explain how you can use a policy to scope multicast groups

Additional Course Details

Nexus Humans JMR - Junos Multicast Routing 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 JMR - Junos Multicast Routing 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 JMR - Junos Multicast Routing?

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 JMR - Junos Multicast Routing 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 JMR - Junos Multicast Routing 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 JMR - Junos Multicast Routing?

Yes, we provide corporate training, dedicated training, and closed classes for JMR - Junos Multicast Routing. 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 JMR - Junos Multicast Routing?

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 JMR - Junos Multicast Routing 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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