

# AJSPR - Advanced Junos Service Provider Routing

**Duration:** 40.00 hours (5 days)

**32.5 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

This five-day course is designed to provide students with detailed coverage of OSPF, IS-IS, BGP, and routing policy.

## About This Course

This five-day course is designed to provide students with detailed coverage of OSPF, IS-IS, BGP, and routing policy.

## Who Should Attend

This course benefits individuals responsible for implementing, monitoring, and troubleshooting Layer 3 components of a service provider's network.

# Learning Outcomes

---

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

Describe the various OSPF link-state advertisement (LSA) types.

Explain the flooding of LSAs in an OSPF network.

Describe the shortest-path-first (SPF) algorithm.

List key differences between OSPFv2 and OSPFv3.

Describe OSPF area types and operations.

Configure various OSPF area types.

Summarize and restrict routes.

Identify some scenarios in a service provider network that can be solved using routing policy or specific configuration options.

Use routing policy and specific configuration options to implement solutions for various scenarios.

Describe how to troubleshoot OSPF.

Explain the concepts and operation of IS-IS.

Describe various IS-IS link-state protocol data unit (LSP) types.

List IS-IS adjacency rules and troubleshoot common adjacency issues.

Configure and monitor IS-IS.

Display and interpret the link-state database (LSDB).

Perform advanced IS-IS configuration options.

Implement IS-IS routing policy.

Explain the default operation in multiarea IS-IS.

Describe IS-IS address summarization methods.

Configure and monitor a multiarea IS-IS network.

Describe how to troubleshoot IS-IS.

Describe basic BGP operation.

List common BGP attributes.

Explain the route selection process for BGP.

Describe how to alter the route selection process.

Configure some advanced options for BGP peers.

Describe various BGP attributes in detail and explain the operation of those attributes.

Manipulate BGP attributes using routing policy.

Explain the causes for route instability.

Describe the effect of damping on BGP routing.

Explain the default behavior of damping on links.

Control damping using routing policy.

View damped routes using command-line interface (CLI) commands.

Describe the operation of BGP route reflection.

Configure a route reflector.

Describe the operation of a BGP confederation.

Configure confederations.

Describe peering relationships in a confederation.

Describe how to troubleshoot BGP.

Describe how to troubleshoot routing policy.

## Additional Course Details

---

Nexus Humans AJSPR - Advanced Junos Service Provider 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 AJSPR - Advanced Junos Service Provider 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 AJSPR - Advanced Junos Service Provider 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
- 

## **Q: How many CPD hours does this course provide?**

The 5-day AJSPR - Advanced Junos Service Provider Routing 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 AJSPR - Advanced Junos Service Provider Routing 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 AJSPR - Advanced Junos Service Provider Routing?**

Yes, we provide corporate training, dedicated training, and closed classes for AJSPR - Advanced Junos Service Provider 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 AJSPR - Advanced Junos Service Provider 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 AJSPR - Advanced Junos Service Provider Routing 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](mailto:info@nexushuman.com)

 Website: [www.nexushuman.com](http://www.nexushuman.com)

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