

Service Provider Routing and Switching, Expert (JNCIE-SP)

Earn an expert-level certification that demonstrates thorough understanding of networking and Juniper routing and switching platforms.

One of four certifications in the Service Provider Routing and Switching track, the JNCIE-SP, expert is the pinnacle of the Service Provider Routing and Switching certification track. During the six-hour exam, you build a service provider network consisting of multiple vMX virtual routers and perform system configuration on all devices.

Exam Preparation

We recommend the following resources to help you prepare for your exam. However, these resources aren't required and using them doesn't guarantee you'll pass the exam.

Recommended Training

- [JNCIE-SP Certification Self-Study Bundle](#)
- All courses listed for the underlying certifications

Exam Resources

- [Juniper TechLibrary](#)
- Extensive real-world, hands-on experience

Additional Preparation

- [Juniper Learning Portal](#)

Exam Objectives

Here is a high-level view of the skillset required to successfully complete the JNCIE-SP certification exam.

System Management and Monitoring

Demonstrate knowledge about the concepts, operation, or functionalities of system management and monitoring:

- Control plane protection
- Junos operation (op), event, or commit scripts
- Junos Telemetry Interface
- SNMPv3
- Flow analysis

Core Technologies

Demonstrate knowledge about the concepts, operation, or functionalities of network technologies used in the service provider core:

- IS-IS
- BGP
- LDP
- RSVP
- MPLS
- Segment routing
- Class of Service

Edge Services

Demonstrate knowledge about the concepts, operation, or functionalities of network technologies used at the service provider edge:

- Layer 3 VPNs
- Interprovider VPN
- PE-CE routing variations
- Route targets
- Layer 2 VPNs (BGP (Kompella) signaling, LDP (Martini) signaling, or VPLS)
- EVPN

Exam Details

Exam questions are derived from the recommended training and the exam resources listed above. The exam is only provided in English.

Exam Code

JPR-962

Prerequisite Certification

[JNCIP-SP](#)

Delivered by
[Juniper Networks](#)

Exam Length
6 Hours

Exam Type
Hands-on lab exam

Recertification

Juniper certifications are valid for three years. For more information, see [Recertification](#).

About Juniper Networks

Juniper Networks believes that connectivity is not the same as experiencing a great connection. Juniper's AI-Native Networking Platform is built from the ground up to leverage AI to deliver exceptional, highly secure, and sustainable user experiences from the edge to the data center and cloud. Additional information can be found at [juniper.net](https://www.juniper.net) or connect with Juniper on [X](#) (formerly Twitter), [LinkedIn](#), and [Facebook](#).

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