

# Service Provider Routing and Switching, Professional

JNCIP-SP · JN0-664

thingtanklearning.com

Networking · education services datasheet

## OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Course-specific thinQtank® Learning publications to make the learning fun and engaging
- Hands-on labs on live Junos routers and switches
- **We do not teach the test.** We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by Juniper-certified engineers
- Six months mentoring access to our engineers after the course

## TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as a **five-day instructor-led training camp**, Monday to Friday. About 50% lecture and 50% hands-on labs. Contact us for the schedule covering your dates.

## PREREQUISITES

- Active JNCIS-SP (required by Juniper)
- Recommended: AJSPR, JL2V and JL3V courses

## TARGET AUDIENCE

- Senior service provider network engineer
- SP/carrier network architect
- MPLS VPN engineer
- Tier 3 NOC / escalation engineer

## CERTIFICATION

This course prepares you for the JNCIP-SP (JN0-664) exam.

|                     |                                               |
|---------------------|-----------------------------------------------|
| <b>Exam</b>         | JN0-664, 65 questions, 90 minutes             |
| <b>Delivery</b>     | Pearson VUE, scheduled through HPE Networking |
| <b>Exam fee</b>     | \$400, set by Juniper                         |
| <b>Prerequisite</b> | Active JNCIS-SP                               |

## COURSE OVERVIEW

thinQtank® Learning is offering a unique five-day training camp comprised of five days of instructor-led learning that gives students the knowledge and skills needed to configure, monitor and troubleshoot Juniper solutions across the JNCIP-SP exam objectives: OSPF, IS-IS, BGP, Class of Service (CoS), IP Multicast, Layer 3 VPNs and Layer 2 VPNs.

The camp follows the official JNCIP-SP (JN0-664) exam objectives and the Juniper course outlines behind it (Advanced Junos Service Provider Routing (AJSPR) 5 days; Junos Layer 2 VPNs (JL2V) 3 days; Junos Layer 3 VPNs (JL3V) 3 days), with hands-on labs on Junos throughout.

This course prepares you for **the JNCIP-SP (JN0-664) exam**.

## WHAT YOU WILL BE ABLE TO DO

- Engineer multi-area OSPFv2/OSPFv3 and multilevel IS-IS with summarization and policy
- Deploy advanced BGP: route reflection, confederations, damping, flowspec, multiprotocol BGP
- Configure SP class of service end to end
- Implement IP multicast with PIM dense/sparse mode, RPs and anycast RP
- Build MPLS Layer 3 VPNs, including inter-provider, carrier-of-carriers and NG-MVPN
- Deploy Layer 2 VPNs: BGP L2VPN, LDP Layer 2 circuits, VPLS and EVPN with multihoming

## EXCLUSIVE LEARNING PACKAGE

- JNCIP-SP reading plan and review guide
- JNCIP-SP practice exams
- Lab guide you keep after the course
- Course video recordings for review

## DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

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## JUNIPER CERTIFICATION TRACKS

### Enterprise

JNCIA-Junos · JNCIS/P/E-ENT

Campus and branch

### Service Provider

JNCIS/P/E-SP

Carrier and backbone

### Security

JNCIA/S/P/E-SEC

SRX and threat defense

### Data Center

JNCIA/S/P/E-DC

Fabrics, EVPN, Apstra

### Mist AI

JNCIA · JNCIS Wireless/Wired · JNCIP

AI-driven networking

### DevOps, Cloud & Design

JNCIA/S-DevOps · Cloud · Design

Automation and architecture

## COURSE MODULES

**01** OSPF and OSPF Areas**03** IS-IS and Multilevel IS-IS**05** Route Reflection, Confederations and Damping**07** IP Multicast and PIM**09** Advanced Layer 3 VPNs (Inter-AS, CoC, MVPN)**11** VPLS**13** Exam Review**02** OSPF Troubleshooting**04** BGP Attributes and Policy**06** Class of Service**08** Layer 3 VPN Fundamentals and Configuration**10** BGP L2VPN and LDP Layer 2 Circuits**12** EVPN

## EXAM OBJECTIVES

**01** OSPF**03** BGP**05** IP Multicast**07** Layer 2 VPNs**02** IS-IS**04** Class of Service (CoS)**06** Layer 3 VPNs

### TERMS

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