


<b>Course Name</b>	<b>Service Provider Routing and Switching, Specialist (JNCIS-SP)</b>	
<b>About the Course</b>	The Service Provider Routing and Switching track enables you to demonstrate a thorough understanding of networking technology in general and Juniper Networks service provider routing and switching platforms. This course is designed for experienced networking professionals with beginner to intermediate knowledge of routing and switching implementations in Junos	
<b>Key Skills You Will Learn</b>	This course includes an overview of protocol-independent routing features, load balancing and filter-based forwarding, OSPF, BGP, IP tunneling, and high availability (HA) features. The course then delves switching concepts such as LANs, Layer 2 address learning, bridging, virtual LANs (VLANs), provider bridging, VLAN translation, spanning-tree protocols, and Ethernet Operation, Administration, and Maintenance (OAM). The course wraps up concepts such as MPLS forwarding, the structure of the MPLS header, and configuration and operation of the two main label distribution protocols, RSVP and LDP. This course is based on Junos OS Release 22.1R1.10. Through lab demonstrations, students can watch how to configure and monitor the Junos OS and monitor basic device operations.	
<b>Course Pre-Requisite</b>	You should have basic networking knowledge and be familiar with the Junos OS command-line interface (CLI). You should complete the recommended instructor-led training courses, such as Junos Intermediate Routing, Junos Service Provider Switching, and Junos MPLS Fundamentals.	
<b>Target Audience</b>	The target audience for the Juniper Networks Certified Specialist: Service Provider (JNCIS-SP) certification is networking professionals with beginner to intermediate knowledge of routing and switching implementations in Junos. The certification is designed for those who are responsible for configuring and monitoring devices running the Junos OS	
<b>Job prospects with this role</b>	Network Engineer, Digital Network - SME (IN1), Juniper Certified Network Engineer, Juniper Network Administrator	
<b>Course Duration</b>	~ 19 Hrs	
<b>Course Customisation</b>	Not applicable	
<b>Certification</b>	READYBELL Service Provider Routing and Switching, Specialist (JNCIS-SP) Certificate	
<b>Mode of Training</b>	Instructor-led 100% Online or 100% Classroom (Salt Lake, Kolkata - India) or hybrid mode (Online + Classroom) as suitable for the learner	
<b>Course Fees</b>	Please contact us	
<b>Refund Policy</b>	Get a 3-hours free trial during which you can cancel at no penalty. After that, we don't give refunds	
<b>Job Assistance</b>	Will assist candidate in securing a suitable job	
<b>Contact</b>	<b>READYBELL SOFTWARE SERVICES PVT. LIMITED</b> <b>AH 12, SALT LAKE SECTOR 2, KOLKATA (INDIA) - 700 091</b> <b>E-MAIL: <a href="mailto:contact@readybellssoftware.com">contact@readybellssoftware.com</a></b> <b>PH: +91 - 9147708045/9674552097, +91 - 33-79642872</b>	 Software Services Pvt. Ltd.

CURRICULUM		
Topic	Sub-Topic	Duration (Hrs)
<b>Service Provider Routing and Switching, Specialist (JNCIS-SP)</b>	Module 1: Service Provider Bridging Concepts	19 Hrs
	Module 2: Deploy LACP on Junos Devices	
	Module 3: Deploy Q-in-Q Provider Bridging	
	Module 4: Deploy Multi-Chassis Link Aggregations (MC-LAG) on Junos Bridges	
	Module 5: Understand and Configure Spanning Tree Protocol (STP)	
	Module 6: Advanced Routing Concepts on Junos	
	Module 7: Design and Configure OSPF on Junos	
	Module 8: Design and Deploy IS-IS on Junos	
	Module 9: Understand MPLS Foundations	
	Module 10: Configure Basic BGP on Junos	
	Module 11: MPLS: Deploy LDP and RSVP on Junos	
	Module 12: Understand the BGP Best Path Selection Algorithm	
	Module 13: MPLS: Design and Deploy Constrained Shortest Path First (CSPF)	
	Module 14: Explore and Configure Junos Tunneling Technologies	
	Module 15: Understand Junos Chassis High Availability Techniques	
	Module 16: Configure IPv6 Services on Junos	
	Module 17: Describe Segment Routing Operations	
	Module 18: Implement Segment Routing over MPLS on Junos	
<b>To register for this course please e-mail/call us</b>		