

Juniper Networks Certified Internet Expert - (JNCIE-SP) Certification Course

Course Details

Course Outline

1. Course Introduction

2. Exam Strategies

- Preparing for Your Exam
- The Testing Environment
- State of the Network
- Testing Tips
- Exam Completion

3. Device Infrastructure

- High Availability
- Aggregated Ethernet Interfaces
- Secure and Monitor Junos Devices
- Basic Automation with OP, Event, and Commit Scripts
- Lab 1: Implementing Device Infrastructure

4. IGP Implementation

- Implementing IS-IS
- Implementing OSPF v2 and OSPF v3
- Lab 2: IS-IS Implementation
- Lab 3: OSPF Implementation

5. IGP Troubleshooting

- Troubleshooting Routing Loops in the IGP
- Troubleshooting IGP Adjacencies

- Lab 4: IS-IS Troubleshooting
- Lab 5: OSPF Troubleshooting

6. BGP Implementation

- BGP Configuration and Implementation
- BGP Routing Policy
- Lab 6: BGP Implementation

7. BGP Troubleshooting

- BGP Troubleshooting
- Lab 7: BGP Troubleshooting

8. Multicast Implementation

- PIM Sparse Mode Implementation
- MSDP Anycast-RP Implementation
- Lab 8: Multicast Implementation

9. Class of Service Implementation

- Inet-Precedence, DSCP, EXP, and 802.1p Markings
- Behavior Aggregate and Multifield Classification
- Drop Profiles
- Rewrite Rules
- Lab 9: Class of Service Implementation and Troubleshooting

10. MPLS Implementation

- MPLS Implementation
- Lab 10: MPLS Implementation and Troubleshooting

11. MPLS VPN Implementation

- MPLS VPN Implementation
- Lab 11: MPLS VPN Implementation and Troubleshooting

12. JNCIE Full Lab Simulation