JNCIE Service Provider Bootcamp

Duration: 5 Days Course Code: JNCIE-SP Version: 12.a

Overview:

This five-day course is designed to serve as the ultimate preparation for the Juniper Networks Certified Internet Expert—Service Provider (JNCIE-SP) exam. The course focuses on caveats and tips useful for potential test candidates and emphasizes hands-on practice through a series of timed lab simulations. On the final day of the course, students are given a six-hour lab simulation emulating the testing topics and environment from the real exam.

All labs in this course are facilitated by Junosphere virtual lab devices and are available after hours for additional practice time. This course is based on Junos OS Release 12.3. JNCIE Service Provider Bootcamp is an advanced level course.

Target Audience:

This course benefits individuals who have already honed their skills on service provider technologies and could use some practice and tips in preparation for the JNCIE-SP exam.

Objectives:

- **After successfully completing this course, you should:**
- Be better prepared for success in taking the actual JNCIE-SP exam.
- Be well-versed in exam topics, environment, and conditions.

Prerequisites:

Students should have passed the Juniper Networks Certified Internet Professional—Service Provider (JNCIP-SP) written exam or achieved an equal level of expertise through Education Services courseware and hands-on experience**.**

Content:

Course Introduction

Exam Strategies

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

Device Infrastructure

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

IGP Implementation

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

IGP Troubleshooting

- Troubleshooting Routing Loops in the IGP
- Troubleshooting IGP Adjacencies
- Lab : IS-IS Troubleshooting
- Lab : OSPF Troubleshooting

BGP Implementation

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

BGP Troubleshooting

- BGP Troubleshooting
- Lab : BGP Troubleshooting

Multicast Implementation

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

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

MPLS Implementation

- MPLS Implementation
- Lab 10: MPLS Implementation and Troubleshooting

MPLS VPN Implementation

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

Final Day

- JNCIE Full Lab Simulation

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

info@globalknowledge.co.uk

www.globalknowledge.co.uk

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK