SECURITY, PROFESSIONAL (JNCIP-SEC)

Earn a professional-level certification that demonstrates a thorough understanding of security technology and Junos OS software for Juniper Networks SRX Series Firewalls.

One of four certifications in the Juniper® Security track, the JNCIP-SEC, professional-level certification, is designed for networking professionals with advanced knowledge of security technology and Junos® operating system software for Juniper Networks® SRX Series Firewalls. During the written exam, you verify your understanding of advanced security technologies, related platform configuration, and troubleshooting skills.

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
- Advanced Juniper Security

Exam Resources
- Industry/product knowledge
- Juniper TechLibrary

Additional Preparation
- Juniper Learning Portal

Exam Objectives

Here's a high-level view of the skillset required to successfully complete the JNCIP-SEC certification exam.

Troubleshooting Security Policies and Security Zones

Given a scenario, demonstrate how to troubleshoot or monitor security policies or security zones.

- Tools
- Logging or tracing
- Other outputs

Logical Systems and Tenant Systems

Describe the concepts, operations, or functionalities of logical systems.

- Administrative roles
- Security profiles
- Logical system communication

Describe the concepts, operations, or functionalities of tenant systems.

- Primary system and tenant system administrators
- Tenant system capacity

Layer 2 Security

Describe the concepts, operations, or functionalities of Layer 2 Security.

- Transparent mode
- Mixed mode
- Secure wire
- MACsec
- Ethernet VPN-Virtual Extensible LAN (EVPN-VXLAN) security

Given a scenario, demonstrate how to configure or monitor Layer 2 Security.

Advanced Network Address Translation (NAT)

Describe the concepts, operations, or functionalities of advanced NAT.

- Persistent NAT
- Domain Name System (DNS) doctoring
- IPv6 NAT

Given a scenario, demonstrate how to configure, troubleshoot, or monitor advanced NAT scenarios. monitor advanced NAT scenarios.

Advanced IPsec VPNs

Describe the concepts, operations, or functionalities of advanced IPsec VPNs.

- Hub-and-spoke VPNs
- Public Key Infrastructure (PKI)
- Auto discovery VPNs (ADVPNs)
- Routing with IPsec
- Overlapping IP addresses
- Dynamic gateways
- IPsec Class of Service (CoS)

Given a scenario, demonstrate how to configure, troubleshoot, or monitor advanced IPsec VPNs.

Advanced Policy-Based Routing (APBR)

Describe the concepts, operations, or functionalities of advanced policy-based routing.

- Profiles
- Policies
- Routing instances
- APBR options

Given a scenario, demonstrate how to configure or monitor advanced policy-based routing.

Multinode High Availability (HA)

Describe the concepts, operations, or functionalities of multinode HA.

- Concepts
- Chassis cluster versus multinode HA
- Deployment modes
- Services redundancy group (SRG)
- Interchassis link
- Active/active mode
- Active/passive mode
- Active node behavior (determination and enforcement)

Given a scenario, demonstrate how to configure or monitor multinode HA.

Automated Threat Mitigation

Describe the concepts, operations, or functionalities of Automated Threat Mitigation.

- Third-party or multicloud integration
- Secure Enterprise

Exam Details

Exam questions are derived from the recommended training and the exam resources listed above. Pass/fail status is available immediately after taking the exam. The exam is only provided in English.

Exam Code

JN0-637

Prerequisite Certification

JNCIS-SEC

Delivered by

Pearson VUE

Exam Length

90 minutes

Exam Type

65 multiple-choice questions

Recertification

Juniper certifications are valid for three years. For more information, please 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 the best and most secure user experiences from the edge to the data center and cloud. Additional information can be found at Juniper Networks (www.juniper.net) or connect with Juniper on X (Twitter), LinkedIn, and Facebook.

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