

Introduction to Juniper Security (IJSEC)

ID IJSEC **Price 2,025.—** €(excl. tax) **Duration 3 days**

Course Overview

This three-day, introductory-level course provides students with the knowledge to secure their network using SRX Series Firewalls. Key topics include security zones, security policies, content security, and network address translation (NAT). Through demonstrations and hands-on labs, students will gain experience with each of these concepts. This course is based on Junos OS Release 24.2R1.17.

Who should attend

- Individuals who are responsible for network security
- Individuals who want to learn how to secure their networks using SRX Series Firewalls

This course is part of the following Certifications

Juniper Networks Certified Internet Associate Junos Security (JNCIA-SEC)

Prerequisites

- Basic networking skills
- General understanding of networking architecture

Course Objectives

- Describe Junos OS architecture
- Describe SRX Series security architecture
- Create security and functional zones
- Configure screen options
- Configure address and application objects
- Implement traditional security policies
- Implement unified security policies
- Configure security policy logging, counting, and scheduling
- Troubleshoot security policies
- Enable application tracking
- Implement antivirus and antispam capabilities
- Enable content filtering and Web filtering
- Configure source NAT
- Configure destination NAT
- Configure static NAT.

Course Content

Module 1: Introduction to Juniper Security

- Explain network security challenges.
- Explain SRX Series Firewall physical and virtual device options.
- Explain SRX Series Firewall device management options.

Module 2: Juniper SRX Series Security Architecture

- Explain Junos OS architecture
- Explain SRX Series security architecture
- Explain SRX Series traffic processing

Module 3: Managing Zones

- Explain Junos OS architecture
- Explain SRX Series security architecture
- Explain SRX Series traffic processing

Lab 1: Managing Zones

Module 4: Managing Addresses, Zones, and ALGs

- Create address objects
- Create applications
- Use ALGs

Lab 2: Managing Addresses, Zones, and ALGs

Module 5: Manage Traditional Security Policies

- Explain traditional security policy processing
- Create traditional security policies
- Modify, reorder, deactivate, and delete security policies

Lab 3: Managing Traditional Security Policies

Module 6: Managing Unified Security Policies

- Describe AppID
- Implement unified security policies

Lab 4: Managing Unified Security Policies

Module 7: Configuring Security Policy Options

- Implement security policy logging and counting
- Create schedulers
- Examine session options

Lab 5: Managing Security Policy Options

Lab 11: Implementing Destination NAT

Module 8: Troubleshooting Security Policies

- Troubleshoot the flow process
- Enable trace options

Lab 6: Troubleshooting Security Policies

Module 9: Implementing AppTrack

- Explain AppSecure capabilities
- Configure AppTrack

Lab 7: Implementing AppTrack

Module 10: Implementing Antivirus and Antispam

- Describe content security
- Configure antivirus
- Configure antispam

Lab 8: Deploying Antivirus and Antispam

Module 11: Implementing Content Filtering and NextGen Web Filtering

- Configure content filtering
- Configure NextGen web filtering

Lab 9: Deploying Content Filtering and Enhanced Web Filtering

Module 12: Implementing Source NAT

- Explain source NAT
- Configure interface-based source NAT
- Configure pool-based source NAT
- Validate source NAT functionality

Lab 10: Implementing Source NAT

Module 13: Implementing Destination NAT and Static NAT

- Explain destination NAT options
- Configure destination NAT
- Configure static NAT

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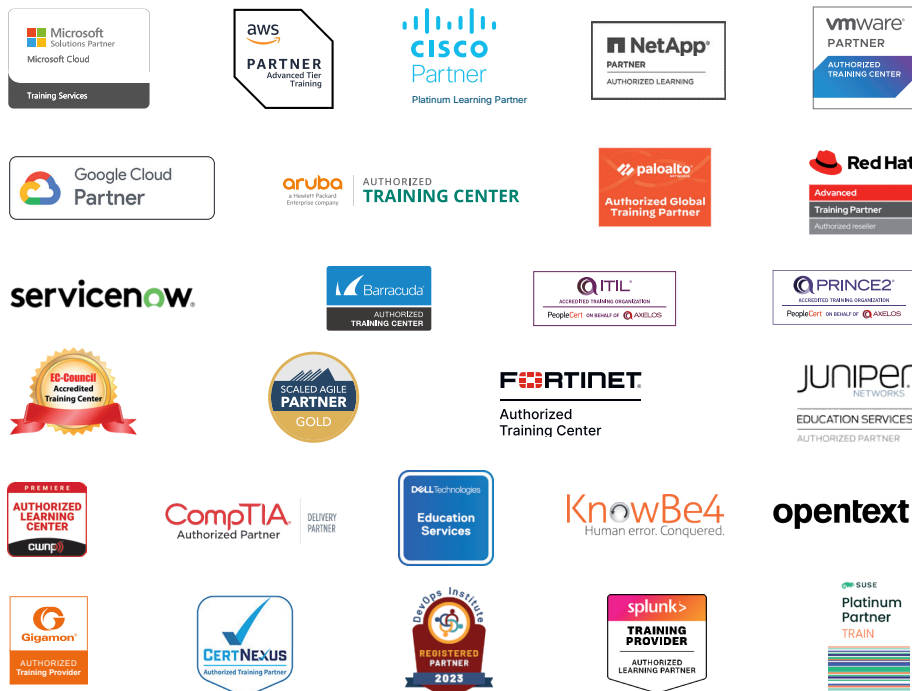
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