Enterprise Computing Solutions - Education Services

# TRAINING OFFERING

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# Introduction to Juniper Security (IJSEC)

| CODE: | LENGTH: | PRICE: |
|---|---|---|
| JUN_IJSEC | 24 Hours (3 days) | £2,195.00 |

## Description

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

## 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.

## Audience

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

## Prerequisites

• Basic networking skills
• General understanding of networking architecture

## Programme

**DAY 1**

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

**DAY 2**

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

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

**DAY 3**

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
Lab 11: Implementing Destination NAT

## Follow on courses

Follow On Courses - Juniper Security (JSEC)

## Test and Certification

RELATED CERTIFICATION
JNCIA-SEC

## Session Dates

| Date | Location | Time Zone | Language | Type | Guaranteed | PRICE |
|---|---|---|---|---|---|---|
| 25 Jan 2027 | Virtual Classroom | GMT | English | Instructor Led Online | | £2,195.00 |
| 05 Apr 2027 | Virtual Classroom | BST | English | Instructor Led Online | | £2,195.00 |
| 07 Jun 2027 | Virtual Classroom | BST | English | Instructor Led Online | | £2,195.00 |
| 02 Aug 2027 | Virtual Classroom | BST | English | Instructor Led Online | | £2,195.00 |
| 04 Oct 2027 | Virtual Classroom | BST | English | Instructor Led Online | | £2,195.00 |
| 06 Dec 2027 | Virtual Classroom | GMT | English | Instructor Led Online | | £2,195.00 |

## Additional Information

This training is also available as onsite training. Please contact us to find out more.