

Advanced Junos Security

AJCES



Delivery Type: Classroom

Duration: 3 days

Overview

This three-day course, which is designed to build off of the current Junos Security (JSEC) offering, delves deeper into Junos security with advanced coverage of IPsec deployments, virtualization, high availability, advanced Network Address Translation (NAT) deployments, and Layer 2 security with SRX Series Services Gateways. Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring advanced security features of the Junos operating system.

Pre-Requisites

Attendees should meet the following prerequisites: Students should have a strong level of TCP/IP networking and security knowledge. Students should also attend the Introduction to the Junos Operating System (IJOS), Junos Routing Essentials (JRE), and Junos Security (JSEC) courses prior to attending this class.

Objectives

After you complete this course you will be able to:

- ✓ Demonstrate understanding of concepts covered in the prerequisite Junos Security course.
- ✓ Describe the various forms of security supported by the Junos OS.
- ✓ Describe Junos security handling at Layer 2 versus Layer 3.
- ✓ Describe the placement and traffic distribution of the various components of SRX devices.
- ✓ Configure, utilize, and monitor the various interface types available to the SRX Series product line.
- ✓ Describe Junos OS processing of Application Layer Gateways (ALGs).
- ✓ Alter the Junos default behavior of ALG and application processing.
- ✓ Implement address books with dynamic addressing.
- ✓ Compose security policies utilizing ALGs, custom applications, and dynamic addressing for various scenarios.
- ✓ Use Junos debugging tools to analyze traffic flows and identify traffic processing patterns and problems.

- ✓ Describe Junos routing instance types used for virtualization.
- ✓ Implement virtual routing instances.
- ✓ Describe and configure route sharing between routing instances using logical tunnel interfaces.

Target Audience

This course benefits individuals responsible for implementing, monitoring, and troubleshooting Junos security components.

Certification

Recommended preparation for exam(s):

- ✓ Exam code: JN0-632 -Juniper Networks Certified Internet Professional (JNCIP-SEC)

Follow on Courses

The following courses are recommended for further study:

- ✓ Junos Intrusion Prevention System Functionality (JIPS)