Advanced Juniper Security (AJSEC) Training

Duration: **4 Day**

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Overview

This five-day course, which is designed to build off of the current Junos Security (JSEC) offering, delves deeper into Junos security.

Through demonstrations and hands-on labs, you will gain experience in configuring and monitoring the advanced Junos OS security features with advanced coverage of virtualization, AppSecure, advanced Network Address Translation (NAT) deployments, Layer 2 security, and Sky ATP.

This course uses Juniper Networks SRX Series Services Gateways for the hands-on component. This course is based on Junos OS Release 15.1X49-D70.3 and Junos Space Security Director 16.1.

Advanced Junos Security (AJSEC) is an advanced-level course.

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) and Junos Security (JSEC) courses prior to attending this class.

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What You Will Learn

After successfully completing this course, you should 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.
• Implement features of the AppSecure suite, including AppID, AppFW, AppTrack, AppQoS, and SSL Proxy.
• Configure custom application signatures.
• Describe Junos security handling at Layer 2 versus Layer 3.
• Implement next generation Layer 2 security features.
• Demonstrate understanding of Logical Systems (LSYS).
• 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 in a security setting.
• Describe and configure route sharing between routing instances using logical tunnel interfaces.
• Utilize Junos tools for troubleshooting Junos security implementations.
• Perform successful troubleshooting of some common Junos security issues.
• Describe and discuss Sky ATP and its function in the network.
• Describe and configure UTM functions.
• Discuss IPS and its function in the network.
• Implement IPS policy.
• Describe and implement SDSN in a network.
• Describe and implement user role firewall in a network.
• Demonstrate the understanding of integrated user firewall.
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