



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

Du kan nå oss här

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CODE:	LENGTH:	PRICE:
JUN_AJSEC	40 Hours (5 days)	kr49,000.00

Description

This five-day course, which is designed to build off the current Junos Security (JSEC) offering, delves deeper into Junos security and next-generation security features. 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 logging and reporting, next generation Layer 2 security, user firewall, next generation advanced anti-malware with Sky ATP, next generation security intelligence with software-defined secure networks. This course uses Juniper Networks SRX Series Services Gateways for the hands-on component.

This course is based on Junos OS Release 15.1X49-D90.7 and Junos Space Security Director 16.2.

Objectives

- 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).
- 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.
- 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 policies.
- Describe and implement SDSDN and Policy Enforcer in a network.
- Describe the purpose of SSL proxy.
- Implement client-protection SSL proxy.
- Implement server-protection SSL proxy.
- Describe and implement user role firewall in a network.
- Demonstrate the understanding of user firewall.

Audience

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

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.

Programme

2 Junos Layer 2 Packet Handling and Security Features

- Transparent Mode Security
- Secure Wire
- Layer 2 Next Generation Ethernet Switching
- MACsec

Day 11 COURSE INTRODUCTIONLAB 1: Implementing Layer 2 Security

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|---------------------------|--|----------------------------|
| 3 Virtualization | 4 AppSecure Theory | 5 AppSecure Implementation |
| • Virtualization Overview | • AppSecure Overview | • AppTrack |
| • Routing Instances | • AppID Overview | • AppFW |
| • Logical Systems | • Installing the Application Signature Package | • AppQoS |
| | • Customer Application Signatures | • APBR |

LAB 2: Implementing Junos Virtual Routing• Application System Cache

Day 2LAB 3: Implementing AppSecure

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| 6 Sky ATP Concepts and Setup | 7 Sky ATP Implementation |
| • Sky ATP Overview | • Configuring Sky ATP using the Web UI |
| • Sky ATP Features | • Configuring Sky ATP with Security Director |
| • Sky ATP Setup | • Monitoring Infected Hosts |
| • Sky ATP Enrollment Troubleshooting | • Infected Host Case Study |

8 SDSN with Policy Enforcer

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| • Policy Enforcer Overview | 9 Implementing UTM |
| • Configuring Policy Enforcer and SDSN | • UTM Overview |
| • Infected Host Case Study | • AntiSpam |
| | • AntiVirus |
| | • Content and Web Filtering |

Day 3

- 10 Introduction to IPS
- IPS Overview
- Network Asset Protection
- Intrusion Attack Methods
- Intrusion Prevention Systems

LAB 5: Implementing SDSN with Policy EnforcerLAB 6: Implementing UTM

Day 4• IPS Inspection Walkthrough

11 IPS Policy and Configuration

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| • SRX IPS Requirements | 12 SSL Proxy |
| • IPS Operation Modes | • SSL Proxy Overview |
| • Basic IPS Policy Review | • Client-Protection SSL Proxy |
| • IPS Rulebase Operations | • Server-Protection SSL Proxy |

LAB 7: Implementing Basic IPS Policy• SSL Proxy Case Study

Day 5

13 User Authentication

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| • User Role Firewall and Integrated User Firewall Overview | 14 Monitoring and Reporting |
| • User Role Firewall Implementation | • Log Director Overview |
| • Monitoring User Role Firewall | • Log Director Installation |
| • Integrated User Firewall Implementation | • Working with Log Events |
| • Monitoring Integrated User Firewall | • Alerts and Reports |

LAB 8: Implementing User Integrated Firewall

LAB 9: Deploying Log Director

Appendix B: Virtual SRX

Appendix A: SRX Series Hardware and Interfaces• Virtualization Overview

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|-------------------------------------|---|
| • Branch SRX Platform Overview | • Network Virtualization and SoftwareDefined Networking |
| • High End SRX Platform Overview | • Overview of the vSRX Platform |
| • SRX Traffic Flow and Distribution | • Deployment Scenarios for the vSRX |
| • SRX Interfaces | • Integrating vSRX with AWS |

Session Dates

På begäran, [kontakta oss](#)

Ytterligare information

Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.