Junos Space-Security Director (JS-SD)

Engineering Simplicity

COURSE LEVEL

Junos Space — Security Director is an intermediate-level course.

AUDIENCE

This course benefits individuals responsible for managing Junos security, switching, and wireless devices using the Junos Space software in an enterprise network environment.

PREREQUISITES

Students should have experience with the Junos operating system, including device management, routing, and security policy. Students should also attend the *Junos Space Essentials* (JSE) and *Junos Security* (JSEC) courses prior to attending this class.

RELEVANT JUNIPER PRODUCT

- Automation
- Network Management
- Security
- vSRX
- Junos Space Security Director

CONTACT INFORMATION

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COURSE OVERVIEW

This two-day course is designed to provide students with the knowledge required to manage the Junos Space Security Director application and manage devices with that application. Students will gain in-depth knowledge of how to work with Security Director. Through demonstrations and hands-on labs, students will gain experience with the features of Security Director. This course is based on Junos Space Release 17.2R1 and Security Director 17.2R1.

OBJECTIVES

- Explain the purpose of the Security Director application.
- Describe the Security Director workspaces.
- Discuss how to manage SRX chassis clusters through the Security Director application.
- Explain platform management and basic device configuration through the Security Director application.
- Explain the policy workflow in the Security Director application.
- Explain the purpose of firewall policies.
- Configure firewall policies in the Security Director application.
- Describe how to deploy firewall policies to managed security devices.
- Describe how to manage VPNs.
- Explain the purpose of NAT policies.
- Describe how to configure NAT policies.
- Describe how to use Change Control to request approval for firewall and NAT policy changes.
- Explain how to manage application firewall profiles.
- Explain how to manage IPS policies.
- Discuss how to manage UTM policies.
- Explain the purpose of Log Director.
- Discuss the required components for a Log Director Deployment.
- Explain the installation of Log Director.
- Explain the Security Director event viewer.
- Discuss how to generate alerts and notifications.
- Explain how to generate reports.

COURSE CONTENT

Day 1

1	COURSE INTRODUCTION

2	**Introduction to Security Director**
	• Security Director Overview • Navigating the Security Director Application • Chassis Clustering • Device Support • Basic Device Configuration and Setup **LAB 1: Introduction to Security Director**

3	**Security Director—Firewall Policies**
	• Firewall Policies Overview • Defining Security Objects • Configuring Firewall Policies • Deploying Configuration Changes **LAB 2: Provisioning Firewall Policies**

4	**Deploying VPNs**
	• Creating IPsec VPNs • Importing IPsec VPNs **LAB 3: Provisioning IPsec VPNs**

5	**Deploying NAT Policies**
	• Overview of NAT • Configure NAT Policies in Security Director **LAB 4: Provisioning NAT Policies**

Day 2

6	**Deploying AppFW Profiles, IPS, and UTM Policies**
	• Managing Application Firewall Profiles • Managing IPS Policies • Managing UTM Policies • Deploying Configuration Changes Review **LAB 5: Provisioning IPS and UTM Policies and AppFW Profiles**

7	**Monitoring and Reporting**
	• Log Director Overview, Installation, and Administration • Log Events • Alerts and Reports **LAB 6: Deploying Log Director**

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Course content subject to change. See www.juniper.net/courses for the latest details.

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