Junos Space-Security Director

COURSE OVERVIEW

This two-day, introductory-level course is designed to provide students with the knowledge required to manage Juniper next-generation firewalls with the Junos Space Security Director application. Students will gain in-depth knowledge of how to work with Security Director, including the deployment of firewall policies, Network Address Translation policies and advanced security features. Through demonstrations and hands-on labs, students will gain experience with the features of Security Director. This course is based on Junos OS Release 22.1R1.10, Junos Space Release 22.1R1.10, Security Director 22.1R1.1 and Security Director Insights 22.1R1.

COURSE LEVEL

Junos Space-Security Director is an introductory course

AUDIENCE

Individuals responsible for managing security configurations on Juniper next-generation firewalls using the Security Director application.

PREREQUISITES

- Basic networking knowledge
- Understanding of the OSI reference model and the TCP/IP protocol suite
- Understanding of the session-based L4-L7 firewall concepts
- Basic Junos operating system (OS) knowledge including device management, routing, and security policy
- Completion of the *Junos Space Essentials* course, or equivalent experience
- Completion of the *Junos Security* course, or equivalent experience

RELATED CERTIFICATION

JNCIA-SEC

OBJECTIVES

- Describe the Junos Security Director product and its basic functionality.
- Describe and implement the Security Director firewall policies.
- Demonstrate deploying VPNs.
- Implement NAT policies.
- Deploy and manage IPS, UTM, SSL Proxy, and Secure Web policies with Security Director.
- Explain the logging, reporting, and alerting options in Security Director.
- Describe the features and use cases for Security Director Cloud.

Contact Juniper Education Services: Americas: training-amer@juniper.net | EMEA: training-emea@juniper.net | APAC: training-apac@juniper.net

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COURSE CONTENTS

DAY 1

Module 1: Course Introduction

Module 2: Introduction to Security Director

- Explain the purpose of the Security Director application
- Explain the Security Director workspaces
- Discuss how to manage SRX chassis clusters through the Security Director application
- Manage device license

Lab 1: Introduction to Security Director

Module 3: Security Director Firewall Policies

- Explain the purpose of firewall policies
- Explain security objects
- Configure standard and unified firewall policies
- Manage policy features

Lab 2: Provisioning Firewall Policies

Module 4: Deploying VPNs

- Describe how to create and manage IPsec VPNs using Security Director
- Describe how to import IPsec VPNs using Security Director

Lab 3: Provisioning IPsec VPNs

Module 5: Deploying NAT Policies

- Describe NAT
- Describe how to configure NAT policies in Security Director

Lab 4: Provisioning NAT Policies

DAY 3

Module 6: IPS, UTM, SSL Proxy, and Secure Web Proxy

- Explain how to manage IPS policies
- Describe how to manage UTM policies
- Describe how to manage SSL Proxy policies
- Describe how to configure Secure Web Proxy
- Describe how to deploy configuration changes

Lab 5: Provisioning IPS, UTM, and SSL Proxy

Module 7: Monitoring and Reporting

- Provide an overview of log management in the Security Director and how to deploy log director
- Identify the Security Director event viewer
- Discuss how to generate alerts and reports

Lab 6: Deploying Log Director

Module 8: Security Director Cloud

- Describe the purpose of Security Director Cloud
- Onboard security devices to Security Director Cloud
- Deploy a firewall policy using Security Director Cloud

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