
Configuring Juniper Networks Firewall/IPsec VPN Products

Duración: 3 Días Código del Curso: CJFV

Temario:

This course is the first in the ScreenOS curriculum. It is a three-day, instructor-led course that focuses on configuration of the ScreenOS firewall/virtual private network (VPN) products in a variety of situations, including basic administrative access, routing, firewall policies and policy options, attack prevention features, address translation, and VPN implementations. This course is based on ScreenOS version 6.3r14.

Dirigido a:

This course is intended for network engineers, support personnel, reseller support, and others responsible for implementing Juniper Networks firewall products.

Objetivos:

- After successfully completing this course, you should be able to:
 - Explain the ScreenOS security architecture.
 - Configure administrative access and options.
 - Back up and restore configuration and ScreenOS files.
 - Configure a ScreenOS device in transparent, route, Network Address Translation (NAT), and IP version 6 (IPv6) modes.
 - Discuss the applications of multiple virtual routers.
 - Configure the ScreenOS firewall to permit and deny traffic based on user-defined policies.
 - Configure advanced policy options.
 - Identify and configure network designs for various types of network address translation.
 - Configure policy-based and route-based VPN tunnels.
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Prerequisites:

This course assumes that students have basic networking knowledge and experience in the following areas:

- The Internet;
- Networking concepts; and
- Terms including TCP/IP, bridging, switching, and routing.

Exámenes y certificación

Associated Certification

- JNCIA-FWV, JNCIS-FWV
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Siguientes cursos recomendados:

- Attack Prevention with Juniper Networks Firewalls (APJF)
 - Advanced Juniper Networks IPsec VPN Implementations (AJVI)
 - Integrating Juniper Networks Firewalls and VPNs into High-Performance Networks (IFVH)
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Contenido:

Day 1

Chapter 1: Course Introduction

Chapter 2: ScreenOS Concepts, Terminology, and Platforms

- Security Device Requirements
- ScreenOS Security Architecture
- Juniper Networks Platforms

Chapter 3: Initial Connectivity

- System Components
- Establishing Connectivity
- Verifying Connectivity

Lab: Initial Configuration

Chapter 4: Device Management

- Management
- Recovery

Lab: Device Administration

Day 2

Chapter 5: Layer 3 Operations

- Need for Routing
- Configuring Layer 3
- Verifying Layer 3
- Loopback Interface
- Interface-Based NAT

Lab: Layer 3 Operations

Chapter 6: Basic Policy Configuration

- Functionality
- Policy Configuration
- Common Problems
- Global Policy
- Verifying Policies

Lab: Basic Policy Configuration

Chapter 7: Policy Options

- Overview
- Logging
- Counting
- Scheduling
- User Authentication

Lab: Policy Options

Chapter 8: Address Translation

- Scenarios
- NAT-src
- NAT-dst
- VIP Addresses
- MIP Addresses

Lab: Address Translation

Day 3

Chapter 9: VPN Concepts

- Concepts and Terminology

IP Security

Chapter 10: Policy-Based VPNs

- Configuration
- Verifying Operations

Lab: Policy-Based VPNs

Chapter 11: Route-Based VPNs

- Concepts and Terminology
- Configuring VPNs
- Verifying Operations

Lab: Route-Based VPNs

Chapter 12: IPv6

- IPv6 Concepts
- Configuring IPv6
- Verifying IPv6

Lab: IPv6

Appendix A: Additional Features

- Hardware

Appendix B: Transparent Mode

- Description
- Configuration
- Verifying Operations
- Lab: Transparent Mode (Optional)

Información Adicional:

Course Level

Configuring Juniper Networks Firewall/IPsec VPN Products is an introductory-level course.

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

info.cursos@globalknowledge.es

www.globalknowledge.com/es-es/

Global Knowledge Network Spain, C/ Retama 7, 6ª planta, 28045 Madrid