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## Configuring Juniper Networks Firewall/IPsec VPN Products

**Duración: 3 Días**    **Código del Curso: CJFV**    **Método de Impartición: Curso Cerrado (In-Company)**

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### 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.

Curso Cerrado (In-Company)

Debido a que nuestra formación es modular, nuestros responsables de formación e instructores pueden trabajar con usted y su equipo para detectar las necesidades formativas y adaptar un temario de forma rápida y rentable. Durante una formación cerrada, usted recibirá una formación de expertos en un curriculum adaptado a sus necesidades.

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### Dirigido a:

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

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### 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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### Prerequisitos:

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](mailto:info.cursos@globalknowledge.es)

[www.globalknowledge.com/es-es/](http://www.globalknowledge.com/es-es/)

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