

Juniper Configuring Juniper Networks Firewall/IPSec VPN

Code: ACBE–JUN-CJFV

Days: 3

Course Description:

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 6.2.

The course combines both lecture and labs, with significant time allocated for hands-on experience. Students completing this course should be confident in their ability to configure Juniper Networks firewall/VPN products in a wide range of installations.

Course Summarize:

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 1: Initial Configuration

Chapter 4: Device Management

- Management
- Recovery
- Lab 2: Device Administration

Chapter 5: Layer 3 Operations

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

Chapter 6: Basic Policy Configuration

- Functionality

- Policy Configuration
- Common Problems
- Global Policy
- Verifying Policies
- Lab 4: Basic Policy Configuration

Chapter 7: Policy Options

- Overview
- Logging
- Counting
- Scheduling
- User Authentication
- Lab 5: Policy Options

Chapter 8: Address Translation

- Scenarios
- NAT-src
- NAT-dst
- VIP Addresses
- MIP Addresses
- Lab 6: Address Translation

Chapter 9: Transparent Mode (Optional)

- Description
- Configuration
- Verifying Operations
- Lab 7: Transparent Mode

Chapter 10: VPN Concepts

- Concepts and Terminology
- IP Security

Chapter 11: Policy-Based VPNs

- Configuration
- Verifying Operations
- Lab 8: Route-Based VPNs

Chapter 12: Route-Based VPNs

- Concepts and Terminology
- Configuring VPNs
- Verifying IPv6 Operations
- Lab 9: Route-Based VPNs

Appendix A: Additional Features

- Hardware