
ATTACK PREVENTION WITH JUNIPER NETWORKS FIREWALLS

Course No: EDU-JUN-APJF

Length: One day

Course Overview

This one-day course meets the business need of customers who are deploying the attack prevention features of ScreenOS software. The course focuses specifically on the attack-related features and assumes familiarity with ScreenOS software. Upon completing this course, you should be able to return to work and successfully configure and verify the desired attack prevention features.

Objectives

After successfully completing this course, you should be able to:

- Configure attack prevention features, including:
 - SCREEN options;
 - Deep Inspection; and
 - Antivirus scanning.
- Configure URL filtering.
- Configure antispyware, antispam, and antiphishing filters.

Intended Audience

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

Course Level

This is an introductory-level course.

Prerequisites

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

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

Course Contents

Day 1

Chapter 1: Course Introduction

Chapter 2: ScreenOS Basics Review

- Concepts Review
- Configuration Review

- Lab 1: ScreenOS Basics Review

Chapter 3: SCREEN Options

- Multilayer Network Protection
- Types of Attacks
- SCREEN Options Configuration
- SCREEN Best Practices
- Lab 2: SCREEN Options Configuration

Chapter 4: Deep Inspection

- Deep Inspection Overview
- Attack Database Configuration
- Policy Configuration
- Logging and Monitoring
- Lab 3: Deep Inspection Configuration

Chapter 5: Antivirus

- Antivirus Operations
- Internal Scanning–HTTP Operations
- Antivirus Configuration–Kaspersky
- Antivirus Configuration–ICAP
- Verifying Operations
- Lab 4: Antivirus Configuration

Chapter 6: Web Filtering

- Web-Filtering Options
- Web-Filtering Configuration
- Verifying Operations
- Lab 5: Configuring Web Filtering

Chapter 7: Antispam

- Antispam Concepts
- Antispam Configuration
- Verifying Operations
- Lab 6: Antispam Configuration