

# Palo Alto Firewall Installation, Configuration and Management (201)

**Length of course** 3 days

## **Target Audience**

Security Engineers, Network Engineers and Support staff

## **Prerequisites**

Students must have a basic familiarity with networking concepts including routing, switching, and IP addressing. Students should also be familiar with basic port-based security concepts. Experience with other security technologies (IPS, proxy and content filtering) is a plus.

## **Main Topics**

Successful completion of this three-day, instructor-led course will enable the student to install, configure, and manage the entire line of Palo Alto Networks® Next-Generation firewalls.

## **Course Objectives**

Students attending this introductory-level class will gain an in-depth knowledge of how to install, configure, and manage their firewall, as well as configuration steps for the security, networking, threat prevention, logging, and reporting features of the Palo Alto Networks Operating System.

## **COURSE OUTLINE**

### Day 1

Module 0: Course Overview

Module 1: Platforms and Architecture

Single Pass Architecture

Control Plane and Data Plane

Flow Logic

## Module 2: Administration & Management

Config Management

PAN-OS & Software Update

GUI, CLI, and API

## Module 3: Interface Configuration

Layer 2, Layer 3, Virtual Wire, Tap

Sub-interfaces

Security Zones

## Day 2:

## Module 4: Layer 3 Configuration

Interface Management

Service Routes

DHCP

Virtual Routers

NAT (source and destination)

IPv6 Overview

## Module 5: App-ID™

App-ID Process

Security Policy Configuration

Policy Administration

## Module 6: Content-ID™

Antivirus

Anti-spyware

Vulnerability

URL Filtering

File Blocking: WildFire™

Zone Protection

Module 7: Decryption

SSL Inbound and Outbound

Day 3:

Module 8: User-ID™

User-ID Agent

Enumerating Users

Mapping Users to IP

Users in Security Policy

Module 9: VPN

IPsec

GlobalProtect®

Overview

Module 10: High Availability

Configuring Active/Passive HA

Module 11: Panorama

Device Groups & Templates

Shared Policy

Config Management



## Reporting and Log Collection

Additional notes

### SCOPE

Course level: Introductory

Course duration: 3 Days

Course format: Combines lecture with hands-on labs

Platform supported: All Palo Alto Networks next-generation firewall models