

Palo Alto – Configuration and Implementation

COURSE OUTLINE:

DAY 1

Module 1 – Introduction

Module 2 – Administration & Management

- Using GUI
- Using CLI Password Management
- Certificate Management
- Log Forwarding
- PAN-OS & Software Update

Module 3 – Interface Configuration

- VLAN Objects
- QoS
- Virtual Wire
- Tap
- Sub interfaces
- Security Zones

Module 4 – Layer 3 Configurations

- Advance NAT Features
- IPv6 Overview
- Policy Based Forwarding
- Routing Protocols (OSPF)
- Interface Management
- Service Routes
- DHCP
- Virtual Routers

DAY 2

Module 5- Security Policy

- Policy Objects
- Defining Security Policy
- DMZ

Module 6- NAT

- Source and Destination NAT

- NAT Policy Configuration

Module 7 – App-ID™

- App-ID Process
- Security Policy Configuration
- Policy Administration
- Defining new Application Signatures
- Application Override

DAY 3

Module 8 – Content-ID™

- Antivirus
- Anti-spyware
- Vulnerability
- URL Filtering
- File Blocking: WildFire™
- Zone Protection
- Custom Threat Signatures
- Data Filtering
- DoS Protection
- Botnet Report

Module 9 - Authentication Profiles

- Setting Up Authentication Profiles
- Creating a Local User Database
- Configuring RADIUS Server Settings
- Configuring LDAP Server Settings
- Configuring Kerberos Settings

Module 10 – User-ID™

- User-ID Agent
- Enumerating Users
- Mapping Users to IP
- Captive Portal
- LDAP Integration
- Users in Security Policy

DAY 4

Module 11 – Decryption

- SSL Inbound and Outbound

Module 12 – VPN

- Virtual Private Networks - Intro
- VPN Tunnels
- IPSec and IKE
- IPSec and IKE Crypto Profiles
- Setting Up IPSec VPNs
- Defining IKE Gateways
- Setting Up IPSec Tunnels
- Defining IKE Crypto Profiles
- Defining IPSec Crypto Profiles
- Viewing IPSec Tunnel Status on the Firewall .

Module 13 – Reports and Logs

- Logging Configuration
- Scheduling Log Exports
- Defining Configuration Log Settings
- Defining System Log Settings
- Defining HIP Match Log Settings
- Defining Alarm Log Settings
- Managing Log Settings
- Configuring Syslog Servers
- Custom Syslog Field Descriptions.

DAY 5

Module 14 – High Availability

- Configuring Active/Active HA

Module 15 – Panorama (Only Theory)

- Device Groups & Templates
- Shared Policy
- Config Management
- Reporting and Log Collection