BOOST
THE LEADING TRAINING PROVIDER

Information Technology

PaloAlto Firewall Course

Course Introduction

Palo Alto Firewall Course is designed to provide participants with the essential concepts related to security platform and architecture, initial configuration, interface configuration, advanced routing, security and NAT policies, site-to-site VPNs, GlobalProtect, and next-generation security practices. The course begins with an introduction to firewalls and PaloAlto Firewall, followed by the initial configuration of PaloAlto Lab Setup, basics with GUI and CLI, and zone implementation.

The course also covers interface configuration, including IPv4 Static & Default Routing and Path Monitoring GUI/CLI, Virtual Wire Deployment (vWire), and IPv6 Static & Default Routing and Path Monitoring GUI/CLI. Advanced Routing topics such as IPv4/IPv6 OSPF and BGP Implementation and Troubleshoot are also covered. Security and NAT Policies, Site-to-Site VPNs, GlobalProtect™, Active/Passive High Availability (HA), Decryption, App-ID, Content-ID, URL Filtering, WildFire™, User-ID™, and Monitoring and Reporting are also included in this course.

Training Course Methodology

This training course is designed to be interactive and participatory, and includes various learning tools to enable the participants to operate effectively and efficiently in a multifunctional environment. The course will use lectures and presentations, and group discussions.

Target Audience

- Cloud Computing Engineer
- Computer Network Specialist
- Computer Support Specialist
- Database Administrator
- Information Technology Analyst
- Information Technology Leadership
- Information Security Specialist
- Software/Application Developer

- Web Developer
- Technology sales consultant

Learning Objectives

- Gain comprehensive knowledge to configure and maintain a secure network infrastructure using PaloAlto Firewall.
- Explore various topics related to security platform and architecture, advanced routing, security and NAT policies, site-to-site VPNs, and next-generation security practices.
- Learn practical experience in configuring and troubleshooting firewall policies, interface configuration, routing protocols, and VPNs.
- Design, deploy, and manage a secure network infrastructure that can protect your organization from various cyber threats.

Course Outline

- **Day 01**

Security Platform and Architecture: Firewall Introduction

  - Security Platform and Architecture: PaloAlto Firewall Introduction
  - Initial Configuration: Basics Lab Setup
  - Initial Configuration: Basics How-to-Access PaloAlto Firewall
  - Initial Configuration: Basics How-to-Enable-Telnet
  - Initial Configuration: Basics How-to-Enable-SSH
  - Initial Configuration: Basics How-to-Enable-HTTP
  - Initial Configuration: Basics How-to-Enable-HTTPS
  - Initial Configuration: Basics How-to-Verify-Connectivity
  - Initial Configuration:-Basics How-to-Take-Backup
  - Initial Configuration:-Basics How-to-Reset-With-Factory-Default
  - Initial Configuration:-Basics How-to-Restore-Config

- Initial Configuration:-Basics How-to-Reset-Admin-Password
- Initial Configuration:-Basics How-to-Upgrade-PANOS
- Initial Configuration:-Basics via GUI & CLI
- Initial Configuration:-Zone Implementation

- **Day 02**

Interface Configuration:-IPv4 Static Routing GUI/CLI

- Interface Configuration:-IPv4 Default Routing GUI/CLI
- Interface Configuration:-IPv4 Path Monitoring GUI/CLI
- Advance-Routing:-IPv4 RIP GUI/CLI
- Advance-Routing:-IPv4 RIP Lab-Basic
- Advance-Routing:-IPv4 RIP Lab-Routing Table Verification
- Advance-Routing:-IPv4 RIP Lab-Peer Table Verification
- Advance-Routing:-IPv4 RIP Lab-Redistribution
- Advance-Routing:-IPv4 RIP Lab-Timer Modification
- Advance-Routing:-IPv4 RIP Lab-Advertise Default-Route
- Advance-Routing:-IPv4 RIP Lab-Authentication
- Advance-Routing:-IPv4 RIP Troubleshoot
- Advance-Routing:-IPv4 OSPF GUI/CLI
- Advance-Routing:-IPv4 OSPF Lab-Basic and Multi-Area
- Advance-Routing:-IPv4 OSPF Lab-Neighbor Table Verification
- Advance-Routing:-IPv4 OSPF Lab-Database Table Verification
- Advance-Routing:-IPv4 OSPF Lab-Routing Table Verification
- Advance-Routing:-IPv4 OSPF Lab-Virtual-Links
- Advance-Routing:-IPv4 OSPF Lab-Hello Interval Modification
- Advance-Routing:-IPv4 OSPF Lab-Dead Interval Modification
- Advance-Routing:-IPv4 OSPF Lab-Authentication
- Advance-Routing:-IPv4 OSPF Lab-Stub Area
- Advance-Routing:-IPv4 OSPF Lab-Totally Stub Area
- Advance-Routing:-IPv4 OSPF Lab-Totally NSSA Area
- Advance-Routing:-IPv4 OSPF Lab-External Summarization
- Advance-Routing:-IPv4 OSPF Lab-Inter-Area Summarization
- Advance-Routing:-IPv4 OSPF Lab-Default-Information-Originate
- Advance-Routing:-IPv4 OSPF Lab-Redistribution
- Advance-Routing:-IPv4 OSPF Troubleshoot
- Advance-Routing:-IPv4 BGP GUI/CLI
- Advance-Routing:-IPv4 BGP Lab-Basic
- Advance-Routing:-IPv4 BGP Lab-Neighbor Table Verification
- Advance-Routing:-IPv4 BGP Lab-BGP Table Verification
- Advance-Routing:-IPv4 BGP Lab-Routing Table Verification

- Advance-Routing:-IPv4 BGP Lab-Next-Hop-Self
- Advance-Routing:-IPv4 BGP Lab-Route-Reflector-Client
- Advance-Routing:-IPv4 BGP Lab-Authentication
- Advance-Routing:-IPv4 BGP Lab-Aggregation
- Advance-Routing:-IPv4 BGP Lab-Redistribution
- Advance-Routing:-IPv4 BGP Troubleshoot
- Advance-Routing:-IPv6 Static Routing GUI/CLI
- Advance-Routing:-IPv6 Default Routing GUI/CLI
- Advance-Routing:-IPv6 Path Monitoring GUI/CLI

• Day 03

Advance-Routing:-IPv6 OSPFv3 via GUI/CLI

- Advance-Routing:-IPv6 OSPFv3 Lab-Basic and Multi-Area
- Advance-Routing:-IPv6 OSPFv3 Lab-Neighbor Table Verification
- Advance-Routing:-IPv6 OSPFv3 Lab-Database Table Verification
- Advance-Routing:-IPv6 OSPFv3 Lab-Routing Table Verification
- Advance-Routing:-IPv6 OSPFv3 Lab-Virtual-Links
- Advance-Routing:-IPv6 OSPFv3 Lab-Hello Interval Modification
- Advance-Routing:-IPv6 OSPFv3 Lab-Dead Interval Modification
- Advance-Routing:-IPv6 OSPFv3 Lab-Stub Area
- Advance-Routing:-IPv6 OSPFv3 Lab-Totally Stub Area
- Advance-Routing:-IPv6 OSPFv3 Lab-Totally NSSA Area
- Advance-Routing:-IPv6 OSPFv3 Lab-External Summarization
- Advance-Routing:-IPv6 OSPFv3 Lab-Inter-Area Summarization
- Advance-Routing:-IPv6 OSPFv3 Lab-Default-Information-Originate
- Advance-Routing:-IPv6 OSPFv3 Lab-Redistribution
- Advance-Routing:-IPv6 OSPFv3 Troubleshoot
- Advance-Routing:-IPv6 BGPv6 via GUI/CLI
- Advance-Routing:-IPv6 BGPv6 Lab-Basic
- Advance-Routing:-IPv6 BGPv6 Lab-Neighbor Table Verification
- Advance-Routing:-IPv6 BGPv6 Lab-BGP Table Verification
- Advance-Routing:-IPv6 BGPv6 Lab-Routing Table Verification
- Advance-Routing:-IPv6 BGPv6 Lab-Next-Hop-Self
- Advance-Routing:-IPv6 BGPv6 Lab-Route-Reflector-Client
- Advance-Routing:-IPv6 BGPv6 Lab-Authentication
- Advance-Routing:-IPv6 BGPv6 Lab-Aggregation
- Advance-Routing:-IPv6 BGPv6 Lab-Redistribution
- Advance-Routing:-IPv6 BGPv6 Troubleshoot

- Security and NAT Policies:-Network Address Translation Introduction
- Security and NAT Policies:-IPv4 Lab-Static NAT
- Security and NAT Policies:-IPv4 Lab-Dynamic NAT
- Security and NAT Policies:-IPv4 Lab-PAT
- Security and NAT Policies:-IPv4 Lab-Destination NAT Port-Based
- Security and NAT Policies:-IPv4 Lab-U-NAT
- Security and NAT Policies:-Palo Alto Packet Flow

• **Day 04**

Site-to-Site VPN:-IPSec VPN Introduction

- Site-to-Site VPN:-IPv4 Site-Site VPN With IKEv1
- Site-to-Site VPN:-IPv4 Site-Site VPN With IKEv2
- Site-to-Site VPN:-IPv4 Site-Site VPN With Dynamic Routing
- Site-to-Site VPN:-IPv4 Site-Site with Certificate Authentication
- Site-to-Site VPN:-IPv4 Site-Site VPN Troubleshooting
- Site-to-Site VPN:-IPv4 Site-Site VPN With Cisco Router (Route Base)
- Site-to-Site VPN:-IPv4 Site-Site VPN With Cisco ASA (Policy Base)
- Site-to-Site VPN:-IPv4 Site-Site VPN With Fortinet (Policy Base)
- Site-to-Site VPN:-IPv4 Site-Site VPN With CheckPoint (Policy Base)
- Site-to-Site VPN:-IPv4 Site-Site VPN With Juniper (Policy Base)
- Site-to-Site VPN:-IPv4 Site-Site VPN With Overlapping Subnets
- Site-to-Site VPN:-IPv4 Site-Site VPN With Cisco FTD (Policy Base)
- GlobalProtect™:-Secure Sockets Layer (SSL) VPN Introduction
- GlobalProtect™:-Secure Sockets Layer (SSL) VPN Lab Full-Tunnel
- GlobalProtect™:-Secure Sockets Layer (SSL) VPN Lab Split-Tunnel
- GlobalProtect™:-Secure Sockets Layer (SSL) VPN Lab Split-Tunnel With Public-IP
- GlobalProtect™:-Secure Sockets Layer (SSL) VPN Lab With Site-Site VPN
- Interface Configuration:-Virtual Wire Deployment (vWire) Introduction
- Interface Configuration:-Lab IPv4 Virtual Wire Deployment (vWire) Lab GUI
- Active/Passive High Availability:-Introduction
- Active/Active High Availability:-Introduction
- Active/Passive High Availability:-IPv4 Lab
- Active/Active High Availability:-IPv4 Lab
- Decryption:-Introduction
- Decryption:-Lab
- App-ID™:-Introduction
- App-ID™:-Lab

- Content-ID™:-Introduction
- Content-ID™:-Lab-Antivirus Profile
- Content-ID™:-Lab-Anti-Spyware Profile
- Content-ID™:-Lab-File Blocking Profiles
- Content-ID™:-Data Filtering Profiles
- URL Filtering:-Introduction
- URL Filtering:-Lab
- WildFire™:-Introduction
- WildFire™:-Lab
- User-ID™:-Introduction
- User-ID™:-Lab
- Monitoring and Reporting

• **Day 05**

PALO ALTO NETWORKS: PANORAMA: MANAGING FIREWALLS AT SCALE (EDU-220)

- Lab:-01 : Panorama Introduction
- Lab:-02 : Initial Configuration
- Lab:-03 : Adding Firewalls
- Lab:-04 : Templates
- Lab:-05 : Device Groups
- Lab:-06 : Log Collection and forwarding
- Lab:-07 : Using Panorama Logs
- Lab:-08 : Panorama Administrative Accounts
- Lab:-09 : Reporting
- Lab:-10 : Panorama Management and Troubleshooting

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 14, 2025	April 18, 2025	5 days	4250.00 $	UAE - Dubai
July 14, 2025	July 18, 2025	5 days	4950.00 $	Netherlands - Amsterdam

FROM	TO	DURATION	FEES	LOCATION
Dec. 29, 2025	Jan. 2, 2026	5 days	2150.00 $	Virtual - Online