



## **Palo Alto Networks: A Comprehensive Training Course**



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### **Palo Alto Networks: A Comprehensive Training Course Overview:**

The "Palo Alto Networks: Comprehensive Training Course" is a meticulously crafted program that delves deep into the heart of Palo Alto's renowned cybersecurity infrastructure. From the basics of Firewall Essentials: Configuration and Management to the intricate details of the Palo Alto Networks Administrator's Guide, this course encompasses it all. Participants will gain a robust understanding of EDU-210 and EDU-110 Courses, Palo Alto Threat Detection and Prevention, and many more critical aspects. With a sharp focus on Best Practice Settings for Palo Alto, High Availability Firewall Design, and Interface Configuration for Palo Alto Deployment, this course promises a hands-on, immersive experience.

### **Target Audience:**

- Network Security Engineers
- Cybersecurity Analysts
- Firewall Administrators
- IT Infrastructure Managers
- Professionals aiming for Palo Alto Networks Certification

### **Targeted Organizational Departments:**

- IT and Cybersecurity
- Network Administration
- Infrastructure Management

### **Targeted Industries:**

- Financial Services
- Healthcare
- E-commerce
- Government Institutions
- Telecommunications

## Course Offerings:

Participants will acquire skills and knowledge in:

- Deep dive into Firewall Implementation Design
- Mastering Palo Alto VM-Series Deployment
- Comprehending Template Stacks Administration
- Unpacking Traffic Log Interpretation and App-ID Security Rules
- Proficiency in Palo Alto Systems Update Process

## Training Methodology:

The "Palo Alto Networks: Comprehensive Training Course" employs a blend of theoretical and practical training techniques. Leveraging case studies from the EDU-110 Comprehensive Training Guide and Best Palo Alto EDU-210 Course Online, participants will simulate real-world scenarios. Group work sessions facilitate peer-to-peer learning, while interactive sessions led by experts in Palo Alto Advanced Firewall Management Training ensure the comprehension of intricate topics. Feedback sessions employ tools like Palo Alto Packet Capture Configuration for a more in-depth analysis.

## Course Toolbox:

- Palo Alto Networks Administrator's Guide
- Template Stacks Administration Checklists
- Palo Alto VM-Series Deployment Software
- Online resources for Traffic Log Analysis in Palo Alto Systems
- Workbooks for Palo Alto Next-Generation Firewall Workshop

## Course Agenda:

### Day 1: Introduction to Palo Alto Networks Firewall Essentials

- **Topic 1:** Understanding the Palo Alto Networks Firewall Essentials
- **Topic 2:** How Palo Alto Networks products work together to detect and prevent threats
- **Topic 3:** Fundamental functions on the management and data planes of Palo Alto Networks
- **Topic 4:** Administrator's Guide: Configuration essentials and best practices
- **Topic 5:** Policy evaluation based on the packet flow architecture
- **Reflection & Review:** Overview of Palo Alto Networks products and their initial configuration



## Day 2: Designing Firewall Solutions

- **Topic 1:** Designing firewall implementations to meet business requirements
- **Topic 2:** Implementing firewalls in High Availability for business needs
- **Topic 3:** Identifying the right interface types and configurations for specific network deployments
- **Topic 4:** Scalable solutions using template stacks for administering firewalls
- **Topic 5:** Device group hierarchy as another solution for scalable firewall administration
- **Reflection & Review:** Crafting solutions that align with business needs and growth

## Day 3: Deployment, Configuration, and Logging

- **Topic 1:** Deploying firewalls in private or public cloud environments VM-Series
- **Topic 2:** Mitigating resource exhaustion due to denial-of-service
- **Topic 3:** Deciphering application meanings in the Traffic log
- **Topic 4:** Security rule creation: Implementing App-ID without relying on port-based rules
- **Topic 5:** Necessary steps to deploy a next-generation firewall
- **Reflection & Review:** Ensuring secure and efficient network traffic management

## Day 4: Updates, Integration, and Advanced Configurations

- **Topic 1:** Updating a Palo Alto Networks system to its latest version
- **Topic 2:** Configuration management for operational stability
- **Topic 3:** Critical HA functions: link monitoring, path monitoring, HA1, HA2, and HA3
- **Topic 4:** Firewall integration with AutoFocus and its verification
- **Topic 5:** Relationship dynamics between Panorama and devices for dynamic updates
- **Reflection & Review:** Ensuring systems are up-to-date, stable, and integrated

## Day 5: Troubleshooting and Advanced Concepts

- **Topic 1:** Configuration requisites for packet capture
- **Topic 2:** Identifying threat prevention components for different attack scenarios
- **Topic 3:** Bandwidth control on a per-application basis
- **Topic 4:** DNAT-based security rule configuration
- **Topic 5:** Difference between security configurations for data vs. management planes
- **Reflection & Review:** Recap and best practices for optimizing Palo Alto Networks solutions

## How This Course is Different from Other Palo Alto Networks Course:

The "Palo Alto Networks: Comprehensive Training Course" is not just another training program. It integrates the theoretical foundations from the EDU-110 Comprehensive Training Guide with the hands-on expertise of the Palo Alto Firewall Training Course. Our program prioritizes real-world application, ensuring participants are not just knowledgeable but are also competent in applying their knowledge. Through our rigorous focus on Traffic Log Analysis Training in Palo Alto Systems and the Palo Alto Advanced Firewall Management Training, we guarantee a depth of understanding unmatched by other courses.



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Courses**



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**Communication and  
Public Relations  
Training Courses**



**Data Analytics Training  
and Data Science  
Courses**



**Environment &  
Sustainability Training  
Courses**



**Governance, Risk and  
Compliance Training  
Courses**



**Human Resources  
Training and  
Development Courses**



**IT Security Training & IT  
Training Courses**



**Leadership and  
Management Training  
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**Legal Training,  
Procurement and  
Contracting Courses**



**Maintenance Training  
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# Training Course Categories



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**Zoom - Online  
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# WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

## OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

## OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

## WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



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