Palo Alto Networks Firewall Configuration

Configure, manage and monitor Palo Alto Networks next-generation firewalls, aligned to EDU-210.

DURATION	FORMAT	LEVEL	LABS
40 hours	Onsite, online or hybrid	Intermediate	Cloud sandbox included

About this programme

A lab-based programme that builds the core skills to configure and manage Palo Alto Networks next-generation firewalls: initial set-up, zones and interfaces, security and NAT policy, App-ID, User-ID, threat prevention, WildFire, decryption, and logging and reporting.

Who it is for: Network security engineers, firewall administrators and security analysts

What your team will be able to do

- Configure initial settings, administrator accounts and configuration management
- Segment networks with security zones, interfaces and virtual routers
- Build security and NAT policies using App-ID and User-ID
- Block known and unknown threats with security profiles, URL filtering and WildFire
- Inspect encrypted traffic and investigate events with logs and the ACC

Before you start

- Networking fundamentals: routing, switching, NAT and VPNs
- Basic firewall concepts

Course outline

1. Platform and initial configuration

- Portfolio and Single-Pass Parallel Processing (SP3) architecture
- Initial access, licence activation and basic set-up
- Configuration management and snapshots
- Administrator authentication: local, LDAP and RADIUS

2. Connecting to production networks

- Security zones and network segmentation
- Interfaces and virtual routers
- Security policy rules
- Source and destination NAT

3. Application and user control

- Identifying and controlling applications with App-ID
- Custom applications and migrating to application-based policy
- User-ID integration with Active Directory

4. Threat prevention

- Antivirus, anti-spyware and vulnerability protection profiles
- URL filtering
- Zone protection and DoS protection
- WildFire analysis for malware and zero-day exploits
- SSL decryption policies

5. Monitoring and supplemental topics

- Dashboard, ACC, logs and reports
- GlobalProtect remote access VPN
- Firewall high availability
- Site-to-site IPSec VPNs

Sample schedule

5 days onsite, or 10 half-day sessions online. We fit days and session lengths to your team's calendar.

Day 1	8 h	Platform and initial configuration
Day 2	8 h	Connecting to production networks
Day 3	8 h	Application and user control; Threat prevention
Day 4	8 h	Threat prevention (continued)
Day 5	8 h	Monitoring and supplemental topics

Assessment and certification

How learning is checked

- A short knowledge check on day one and again at the end, so you can see each person's progress
- Graded hands-on labs in every module, reviewed by the trainer
- A final exercise that applies the programme to a problem like your team's own
- A timed practice exam in the format of the real one, with a review of every answer

Certificate and exams

- Participants who complete the programme receive a Cognitive Networks AI certificate of completion.
- Prepares your team for the Palo Alto Networks PCNSA exam. Exam vouchers are not included: each participant books the exam with Palo Alto Networks.

Formats and cohort size

- Onsite: At your office or a venue you choose, in full days.
- Online, live: Instructor-led over video, usually in half-day sessions so people can keep up with work.
- Hybrid: Some days in a room together, the rest online. Useful when a team works across cities.

Cohort size: 15 to 25 people per trainer. Larger teams run as parallel cohorts on the same outline, so everyone learns the same thing.

Pricing: We quote per cohort, based on duration, format and number of cohorts. There is no per-seat price list: tell us your team and we send a proposal within one business day.

Bring this programme to your team

Request a proposal at cognitivenetworks.ai/contact?programme=palo-alto-ngfw

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