

Firewall Installation, Configuration and Management: Essentials II

Course Summary

Description

Extended Firewall Management is the next-level follow-on course to Palo Alto Networks® Installation, Configuration, and Management (PAN-EDU-201). Extended Firewall Management expands on 201 course topics, while introducing many new features and functions of Palo Alto Networks Next-Generation firewalls.

Objectives

Successful completion of this two-day, instructor-led course will enhance the student's understanding of how to install, configure, manage, and perform basic troubleshooting on the entire line of Palo Alto Networks Next-Generation firewalls.

Additionally, students will be instructed on the basics of implementing and managing GlobalProtect and Active/Active High Availability. Students will gain an in-depth knowledge of how to optimize their visibility and control over applications, users, and content.

Topics

- Advanced Interface Config
- App-ID™: Custom Apps
- Advanced Content-ID™
- Advanced User-ID™
- QoS
- Monitoring and Reporting
- GlobalProtect™
- MSM
- Active/Active High Availability

Audience

- Security Engineers, Network Engineers, and Support staff

Prerequisites

Completion of Firewall Installation, Configuration, and Management (201) or equivalent experience is highly recommended.

Students must have a basic familiarity with networking concepts including routing, switching, IP addressing, and basic port-based security concepts.

Duration

Two days

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Course Outline

- I. Advanced Interface Config**
 - A. Advanced NAT
 - B. Policy Based Forwarding
 - C. Routing Protocols (OSPF)
- II. App-ID™: Custom Apps**
 - A. Defining new Application Signatures
 - B. Application Override
- III. Advanced Content-ID™**
 - A. Custom Threat Signatures
 - B. Data Filtering
 - C. DoS Protection
 - D. Botnet Report
- IV. Advanced User-ID™**
 - A. Terminal Server Agent
 - B. Captive Portal
 - C. XML API
- V. QoS**
 - A. Configuring Quality of Service
- VI. Monitoring and Reporting**
 - A. Log Forwarding
 - B. SNMP
 - C. Reporting
- VII. GlobalProtect™**
 - A. Implementation of GlobalProtect
 - B. Install and Configure Portal, Gateway, and Agents
- VIII. MSM**
 - A. GP-100 Overview
 - B. Deployment Policies
 - C. Managing Mobile Devices
- IX. Active/Active High Availability**
 - A. Configuring Active/Active HA