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Firewall 11.0 Essentials: Configuration and Management (EDU-210)

Course Description

The Palo Alto Networks Firewall Essentials: Configuration and Management (EDU-210) course is five days of instructor-led training that will help you to:

› **Configure and manage the essential features of Palo Alto Networks Next-Generation Firewalls**

› **Configure and manage Security and NAT policies to enable approved traffic to and from zones**

› **Configure and manage Threat Prevention strategies to block traffic from known and unknown IP addresses, domains, and URLs**

› **Monitor network traffic using the interactive web interface and firewall reports**

Objectives

Successful completion of this five-day, instructor-led course should enhance the student's understanding of configuring and managing Palo Alto Networks Next-Generation Firewalls. The course includes hands-on experience configuring, managing, and monitoring a firewall in a lab environment.

Target Audience

› **Security Engineers**

› **Security Administrators**

› **Security Operations Specialists**

› **Security Analysts**

› **Support Staff**

Anyone planning to attend Panorama 11.0: Managing Firewalls at Scale (EDU-220) and Firewall 11.0: Troubleshooting (EDU-330), are strongly recommended to complete this course before attending those courses.

Prerequisites

› **Students must be familiar with networking concepts, including routing, switching, and IP addressing.**

› **Students also should be familiar with basic security concepts.**

› **Experience with other security technologies (IPS, proxy, and content filtering) is a plus.**

Certification

The EDU-210 course is the recommended training for taking the Palo Alto Networks Certified Network Security Administrator (PCNSA) exam. Additionally, this course combined with the Firewall 11.0: Improving Security Posture and Hardening PAN-OS Firewalls (EDU 214), and Panorama 11.0: Managing Multiple Firewalls (EDU-220) courses are the recommended training path for anyone planning on taking the Palo Alto Networks Certified Network Security Engineer (PCNSE) certification exam, or any of the Palo Alto Networks Systems Engineer certifications.

Course Outline:

Day 1

› **Palo Alto Networks Portfolio and Architecture**
› **Configuring Initial Firewall Settings**
› **Managing Firewall Configurations**
› **Managing Administrator Accounts**

Day 2

› **Connecting the Firewall to Production Networks with Security Zones**
› **Creating and Managing Security Policy Rules**
› **Creating and Managing NAT Policy Rules**

Day 3

› **Controlling Application Usage with App-ID**
› **Blocking Known Threats Using Security Profiles**
› **Blocking Inappropriate Web Traffic with URL Filtering**

Day 4

› **Blocking Unknown Threats with Wildfire**
› **Controlling Access to Network Resources with User-ID**
› **Using Decryption to Block Threats in Encrypted Traffic**

Day 5

› **Locating Valuable Information Using Logs and Reports**
› **What's Next in Your Training and Certification Journey**
› **Supplemental Materials**
   › Securing Endpoints with GlobalProtect
   › Providing Firewall Redundancy with High Availability
   › Connecting Remotes Sites using VPNs
   › Blocking Common Attacks Using Zone Protection

Scope

› **Level:** Introductory
› **Duration:** 5 days
› **Format:** Lecture and hands-on labs
› **Platform support:** Palo Alto Networks Next-Generation Firewalls running PAN-OS® operating system version 11.0

Palo Alto Networks Education

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