ProTech Professional Technical Services, Inc.

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Firewall Essentials: Configuration and Management EDU-210 v11

Course Summary

Description

Palo Alto Networks next-generation firewalls are architected to safely enable applications and prevent modern threats. Their approach identifies all network traffic based on applications, users, content and devices, and lets you express your business policies in the form of easy-to-understand security rules. Flexible deployment options and native integration with their next-generation security platform extend the policy enforcement and cyberthreat prevention to everywhere your users and data are located: in your network, on your endpoints and in the cloud. Palo Alto Networks recently launched a new certification - the PCNSA or Palo Alto Networks Certified Network Security Administrator - that is meant to be taken after attending the EDU-210 course

Objectives

At the end of this course, students will be able 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

Topics

- Palo Alto Networks Portfolio and Architecture
- Configuring Initial Firewall Settings
- Managing Firewall Configurations
- Managing Firewall Administrator Accounts
- Connecting the Firewall to Production Networks with Security Zones
- Creating and Managing Security Policy Rules
- Creating and Managing NAT Policy Rules
- Controlling Application Usage with App-ID
- Blocking Known Threats Using Security Profiles
- Blocking Inappropriate Web Traffic with URL Filtering
- Blocking Unknown Threats with Wildfire
- Controlling Access to Network Resources with User-ID
- Using Decryption to Block Threats in Encrypted Traffic
- Locating Valuable Information Using Logs and Reports
- What's Next in Your Training and Certification Journey
- Appendix A - Securing Endpoints with Global Protect
- Appendix B – Providing Firewall Redundancy with High Availability
- Appendix C - Connecting Remotes Sites using VPNs
- Appendix D – Configuring User-ID Windows Agent

Audience

This course is designed for: Security Administrators, Security Operations Specialists, Security Analysts, Security Engineers, and Security Architects.

Prerequisites

Students must have a basic familiarity 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.

Duration

Five days

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