

NGFW-Engineer Practice Exams Free - NGFW-Engineer Exam Guide

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Section	Weight	Objectives
		<ul style="list-style-type: none">- Use APIs to automate deployment- Manage third-party services to deploy NGFWs (e.g., Kubernetes, hypervisors, CSPs, Terraform, Ansible)- Use on-premises centralized management<ul style="list-style-type: none">• Panorama• Templates and device groups• Pre- and post-ruleset- Build Application Command Center (ACC) dashboards and custom reports

What type of questions are on the Palo Alto NGFW-Engineer exams?

- Single answer multiple choice
- Multiple answer multiple choice
- Drag and Drop (DND)
- Router Simulation
- Testlet

NGFW-Engineer Practice Exam Questions.

Grab an understanding from these [Palo Alto NGFW-Engineer](#) sample questions and answers and improve your NGFW-Engineer exam preparation towards attaining a Next-Generation Firewall Engineer Certification. Answering these sample questions will make you familiar with the types of questions you can expect on the actual exam. Doing practice with Next-Generation Firewall Engineer questions and answers before the exam as much as possible is the key to passing the Palo Alto NGFW-Engineer certification exam.

Next-Generation Firewall Engineer Sample Questions:-

01. What is the function of a Certificate Revocation List (CRL) in a PKI?

a) Lists expired certificates
b) Lists certificates that have been revoked before their expiration date
c) Lists all issued certificates
d) Lists certificates pending renewal

Answer: b

02. How do Zone Protection Profiles enhance network security?

a) By providing protection against flood attacks, reconnaissance scans, and packet-based threats

NGFW-Engineer Sample Questions 4

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important exams. And there is no doubt that being acquainted with the latest trend of exams will, to a considerable extent, act as a driving force for you to pass the NGFW-Engineer exams and realize your dream of living a totally different life.

Palo Alto Networks NGFW-Engineer Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Integration and Automation: This section measures the skills of Automation Engineers in deploying and managing Palo Alto Networks NGFWs across various environments. It includes the installation of PA-Series, VM-Series, CN-Series, and Cloud NGFWs. The use of APIs for automation, integration with third-party services like Kubernetes and Terraform, centralized management with Panorama templates and device groups, as well as building custom dashboards and reports in Application Command Center (ACC) are key topics.
Topic 2	<ul style="list-style-type: none">PAN-OS Networking Configuration: This section of the exam measures the skills of Network Engineers in configuring networking components within PAN-OS. It covers interface setup across Layer 2, Layer 3, virtual wire, tunnel interfaces, and aggregate Ethernet configurations. Additionally, it includes zone creation, high availability configurations (active<ul style="list-style-type: none">active and activepassive), routing protocols, and GlobalProtect setup for portals, gateways, authentication, and tunneling. The section also addresses IPSec, quantum-resistant cryptography, and GRE tunnels.
Topic 3	<ul style="list-style-type: none">PAN-OS Device Setting Configuration: This section evaluates the expertise of System Administrators in configuring device settings on PAN-OS. It includes implementing authentication roles and profiles, and configuring virtual systems with interfaces, zones, routers, and inter-VSYS security. Logging mechanisms such as Strata Logging Service and log forwarding are covered alongside software updates and certificate management for PKI integration and decryption. The section also focuses on configuring Cloud Identity Engine User-ID features and web proxy settings.

Palo Alto Networks Next-Generation Firewall Engineer Sample Questions (Q11-Q16):

NEW QUESTION # 11

Which two actions in the IKE Gateways will allow implementation of post-quantum cryptography when building VPNs between multiple Palo Alto Networks NGFWs? (Choose two.)

- A. Ensure Authentication is set to "certificate," then import a post-quantum derived certificate.
- B. Select IKE v2, enable the Advanced Options * PQ PPK, then set a 64+ character string for the post-quantum pre shared key.
- C. Select IKE v2 Preferred, enable the Advanced Options * PQ KEM, then add one or more "Rounds."
- D. Select IKE v2, enable the Advanced Options * PQ KEM, then create an IKE Crypto Profile with Advanced Options adding one or more "Rounds."

Answer: C,D

Explanation:

To implement post-quantum cryptography (PQC) in VPNs between Palo Alto Networks NGFWs, you would enable the PQ KEM (Post-Quantum Key Encapsulation Mechanism) in the IKE gateway configuration. This enables the firewall to use quantum-resistant encryption for key exchange, which is an essential part of securing communications against the potential future threats posed by quantum computing.

By selecting IKE v2 Preferred and enabling the PQ KEM option under Advanced Options, you can add specific Rounds for the post-quantum cryptography process, which will help in implementing quantum-resistant key exchange methods.

This option similarly selects IKE v2 and enables PQ KEM while also creating a dedicated IKE Crypto Profile with the necessary Rounds configured for post-quantum cryptography.

NEW QUESTION # 12

An administrator plans to upgrade a pair of active/passive firewalls to a new PAN-OS release. The environment is highly sensitive,

and downtime must be minimized.

What is the recommended upgrade process for minimal disruption in this high availability (HA) scenario?

- A. Push the new PAN-OS version simultaneously to both firewalls, having them upgrade and reboot in parallel. Rely on automated HA reconvergence to restore normal operations without manually failing over traffic.
- B. Shut down the currently active firewall and upgrade it offline, allowing the passive firewall to handle all traffic. Once the active firewall finishes upgrading, bring it back online and rejoin the HA cluster. Finally, upgrade the passive firewall while the newly upgraded unit remains active.
- C. Suspend the active firewall to trigger a failover to the passive firewall. With traffic now running on the former passive unit, upgrade the suspended (now passive) firewall and confirm proper operation. Then fail traffic back and upgrade the remaining firewall.
- D. Isolate both firewalls from the production environment and upgrade them in a separate, offline setup. Reconnect them only after validating the new software version, resuming HA functionality once both units are fully upgraded and tested.

Answer: C

Explanation:

In an active/passive HA setup, the recommended process for upgrading involves minimizing downtime and ensuring traffic continuity by using the failover process:

Suspend the active firewall: This triggers a failover to the passive unit, making it the active unit.

Upgrade the former passive (now active) unit: With traffic now running on the previously passive unit, upgrade the suspended unit while the active unit continues handling traffic.

Confirm proper operation: Once the upgrade is complete, verify that the upgraded unit is functioning properly.

Fail traffic back: Once the upgraded firewall is confirmed to be working, fail the traffic back to the original active unit and upgrade the remaining firewall.

NEW QUESTION # 13

In a Palo Alto Networks environment, GlobalProtect has been enabled using certificate-based authentication for both users and devices. To ensure proper validation of certificates, one or more certificate profiles are configured.

What function do certificate profiles serve in this context?

- A. They define trust anchors (root / intermediate Certificate Authorities (CAs)), specify revocation checks (CRL/OCSP), and map certificate attributes (e.g., CN) for user or device authentication.
- B. They store private keys for users and devices, effectively allowing the firewall to issue or reissue certificates if the primary Certificate Authority (CA) becomes unavailable, providing a built-in fallback CA to maintain continuous certificate issuance and authentication.
- C. They allow the firewall to bypass certificate validation entirely, focusing only on username / password-based authentication.
- D. They provide a one-click mechanism to distribute certificates to all endpoints without relying on external enrollment methods.

Answer: A

Explanation:

In the context of GlobalProtect with certificate-based authentication, certificate profiles are used to ensure proper validation of the certificates. They perform the following functions:

Define trust anchors, which are the root and intermediate Certificate Authorities (CAs) that the firewall trusts to authenticate certificates.

Specify revocation checks, such as CRL (Certificate Revocation List) and OCSP (Online Certificate Status Protocol), to ensure that the certificates being used have not been revoked.

Map certificate attributes, such as the Common Name (CN), which helps in authenticating users and devices based on their certificates.

NEW QUESTION # 14

An engineer is implementing a new rollout of SAML for administrator authentication across a company's Palo Alto Networks NGFWs. User authentication on company firewalls is currently performed with RADIUS, which will remain available for six months, until it is decommissioned. The company wants both authentication types to be running in parallel during the transition to SAML.

Which two actions meet the criteria? (Choose two.)

- A. Create an authentication sequence that includes both the "RADIUS" Server Profile and "SAML Identity Provider" Server

Profile to run the two services in tandem.

- B. Create and apply an authentication profile with the "SAML Identity Provider" Server Profile.
- C. Create and add the "SAML Identity Provider" Server Profile to the authentication profile for the "RADIUS" Server Profile.
- D. Create a testing and rollback plan for the transition from Radius to SAML, as the two authentication profiles cannot be run in tandem.

Answer: A,C

Explanation:

To enable both RADIUS and SAML authentication to run in parallel during the transition period, you need to configure an authentication sequence and an authentication profile that includes both authentication methods.

By creating an authentication sequence that includes both RADIUS and SAML server profiles, the firewall will attempt authentication with RADIUS first and, if that fails, will fall back to SAML. This enables both authentication types to function simultaneously during the transition period.

You can also configure an authentication profile that includes both the RADIUS Server Profile and the SAML Identity Provider server profile. This setup allows the firewall to use both RADIUS and SAML for authentication requests, and it will check both authentication methods in parallel.

NEW QUESTION # 15

An engineer at a managed services provider is updating an application that allows its customers to request firewall changes to also manage SD-WAN. The application will be able to make any approved changes directly to devices via API.

What is a requirement for the application to create SD-WAN interfaces?

- A. XML API's "InterfaceProfiles/sdwan" parameter on a firewall device
- B. REST API's "sdwanInterfaceprofiles" parameter on a Panorama device
- C. XML API's "sdwanprofiles/interfaces" parameter on a Panorama device
- D. REST API's "sdwanInterfaces" parameter on a firewall device

Answer: D

Explanation:


To create SD-WAN interfaces through an API, the correct approach is to use the REST API's "sdwanInterfaces" parameter on a firewall device. This parameter allows you to configure SD-WAN interfaces directly on the firewall devices via API, ensuring that the required interfaces are set up and managed for SD-WAN functionality.

NEW QUESTION # 16

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