Palo Alto Networks NGFW-Engineer Actual Braindumps | Exam NGFW-Engineer Simulations

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Palo Alto Networks NGFW-Engineer Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.
Topic 2	• 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 • active and active • passive), routing protocols, and GlobalProtect setup for portals, gateways, authentication, and tunneling. The section also addresses IPSec, quantum-resistant cryptography, and GRE tunnels.

Topic 3	• 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.

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Palo Alto Networks Next-Generation Firewall Engineer Sample Questions (Q10-Q15):

NEW QUESTION # 10
An NGFW engineer is establishing bidirectional connectivity between the accounting virtual system (VSYS) and the marketing VSYS. The traffic needs to transition between zones without leaving the firewall (no external physical connections). The interfaces for each VSYS are assigned to separate virtual routers (VRs), and inter-VR static routes have been configured. An external zone has been created correctly for each VSYS.
Security policies have been added to permit the desired traffic between each zone and its respective external zone. However, the desired traffic is still unable to successfully pass from one VSYS to the other in either direction.
Which additional configuration task is required to resolve this issue?

- A. Enable the "allow inter-VSYS traffic" option in both external zone configurations.
- B. Add each VSYS to the list of visible virtual systems of the other VSYS.
- C. Create a transit VSYS and route all inter-VSYS traffic through it.
- D. Create Security policies to allow the traffic between the two external zones.

Answer: B

Explanation:
In Palo Alto Networks firewalls, each virtual system (VSYS) is typically isolated from other VSYSs, meaning that traffic between different VSYSs cannot pass through the firewall by default. In this case, since the interfaces for each VSYS are assigned to separate virtual routers (VRs), and the desired traffic is still not passing between the two VSYSs, the firewall needs to be explicitly configured to allow traffic between them.
The required configuration is to add each VSYS to the list of visible virtual systems of the other VSYS. This allows inter-VSYS communication to be enabled, effectively permitting the traffic to pass between the zones of different VSYSs.

NEW QUESTION # 11
An organization is migrating its data center to Amazon Web Services (AWS) and needs to deploy VM-Series firewalls to inspect all ingress and egress traffic. The solution must provide both resilience across multiple Availability Zones and the ability to scale horizontally.
Which combination of AWS services and Palo Alto Networks components is required for this use case?

- A. PAN-OS active/active high availability (HA) pair with an AWS Transit Gateway
- B. AWS Lambda function that monitors the firewall's health and re-routes traffic using the AWS API
- C. Single VM-Series firewall with an Elastic IP address that can be re-associated upon failure
- D. Amazon EC2 Auto Scaling group with VM-Series firewalls and an Amazon Gateway Load Balancer

Answer: D

Explanation:
Using VM-Series firewalls in an EC2 Auto Scaling group provides horizontal scale-out across multiple Availability Zones, and placing them behind an Amazon Gateway Load Balancer enables resilient, distributed traffic insertion for centralized inspection of ingress and egress flows while supporting automatic scaling and failover.

NEW QUESTION # 12
An organization runs multiple Kubernetes clusters both on-premises and in public clouds (AWS, Azure, GCP). They want to deploy the Palo Alto Networks CN-Series NGFW to secure east-west traffic within each cluster, maintain consistent Security policies across all environments, and dynamically scale as containerized workloads spin up or down. They also plan to use a centralized Panorama instance for policy management and visibility.
Which approach meets these requirements?

- A. Configure the CN-Series only in public cloud clusters, and rely on Kubernetes Network Policies for on-premises cluster security. Synchronize partial policy information into Panorama manually as needed.
- B. Deploy a single CN-Series firewall in the on-premises data center to process traffic for all clusters, connecting remote clusters via VPN or peering. Manage this single instance through Panorama.
- C. Use Kubernetes-native deployment tools (e.g., Helm) to deploy CN-Series in each cluster, ensuring local insertion into the service mesh or CNI. Manage all CN-Series firewalls centrally from Panorama, applying uniform Security policies across on-premises and cloud clusters.
- D. Install standalone CN-Series instances in each cluster with local configuration only. Export daily policy configuration snapshots to Panorama for recordkeeping, but do not unify policy enforcement.

Answer: C

Explanation:
This approach meets all the requirements for securing east-west traffic within each Kubernetes cluster, maintaining consistent security policies across on-premises and cloud environments, and allowing for dynamic scaling of the CN-Series NGFWs as containerized workloads spin up or down. By using Kubernetes-native deployment tools (such as Helm), the CN-Series NGFWs can be deployed and scaled dynamically within each cluster. Local insertion into the service mesh or CNI ensures that the NGFW can inspect traffic at the appropriate points within the cluster.
Centralized management via Panorama ensures that security policies are uniform across both on-premises and cloud environments, providing visibility and control across all clusters.

NEW QUESTION # 13
An administrator configures a GlobalProtect gateway with split tunneling for network traffic based on an access route. Users report that public web browsing works, but they cannot resolve the names of internal servers. The administrator determines that all DNS queries are being sent to the public DNS servers configured on the users' endpoints.
Which GlobalProtect portal setting should be configured to resolve this issue?

- A. DNS Proxy feature on the firewall to point clients to the gateway IP for DNS
- B. NAT rule to allow DNS traffic from the GlobalProtect clients to the internal DNS servers
- C. Split tunneling for DNS and specify the internal corporate domains in the "Domain" list
- D. "DNS Forwarding" option on the gateway's tunnel interface

Answer: C

Explanation:
Configuring split tunneling for DNS with internal corporate domains ensures that DNS queries for internal resources are sent through the GlobalProtect tunnel to internal DNS servers, while public DNS queries continue to use the client's local internet connection, enabling proper internal name resolution.

NEW QUESTION # 14
When multiple routes have the same destination prefix, which attribute does the firewall use first to determine route preference?

- A. Longest prefix match
- B. Administrative distance

- C. Next-hop availability
- D. Route metric

Answer: A

Explanation:
When multiple routes exist, the firewall first applies longest prefix match, meaning the route with the most specific destination prefix is selected before considering any other attributes such as administrative distance or metric.

NEW QUESTION # 15
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