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Exam : **PSE-SoftwareFirewall**

Title : Palo Alto Networks Systems
Engineer (PSE): Software
Firewall Professional

Vendor : Palo Alto Networks

Version : DEMO

NO.1 Which two mechanisms could trigger a high availability (HA) failover event? (Choose two.)

- A. Ping monitoring
- B. Link monitoring
- C. Heartbeat polling
- D. Session polling

Answer: A,B

NO.2 Which component can provide application-based segmentation and prevent lateral threat movement?

- A. DNS Security
- B. NAT
- C. App-ID *
- D. URL Filtering

Answer: C

Explanation:

App-ID is a feature that provides application-based segmentation and helps prevent lateral threat movement within a network. By identifying and controlling applications traversing the network regardless of port, protocol, or encryption (SSL or SSH), App-ID allows granular security policies to be applied, thereby limiting the spread of threats within the network.

References:

* Palo Alto Networks App-ID Technology: App-ID

* Palo Alto Networks Application and Threat Content: App-ID Overview

NO.3 Which two design options address split brain when configuring high availability (HA)? (Choose two.)

- A. Bundling multiple interfaces in an aggregated interface group and assigning HA2
- B. Using the heartbeat backup
- C. Sending heartbeats across the HA2 interfaces
- D. Adding a backup HA1 interface

Answer: B D

* Using the Heartbeat Backup:

* The heartbeat backup is a mechanism that helps to prevent split-brain scenarios in a high availability (HA) configuration by providing an additional path for heartbeat communication. This ensures that both firewalls in the HA pair are aware of each other's status.

NO.4 Which two criteria are required to deploy VM-Series firewalls in high availability (HA)? (Choose two.)

- A. Configuration of asymmetric routing
- B. Assignment of identical licenses and subscriptions
- C. Deployment on a different host
- D. Deployment on same type of hypervisor

Answer: B D

Explanation:

For deploying VM-Series firewalls in high availability (HA), it is crucial to ensure that both firewalls in

the HA pair have identical licenses and subscriptions to ensure feature parity and uninterrupted service during failover. Additionally, both firewalls must be deployed on the same type of hypervisor to ensure compatibility and proper synchronization of state and configurations between the active and passive units.

References:

- * Palo Alto Networks High Availability Guide: HA Requirements
- * Palo Alto Networks VM-Series Deployment Guide: High Availability

NO.5 What are two requirements for automating service deployment of a VM-Series firewall from an NSX Manager? (Choose two.)

- A.** Panorama has been configured to recognize both the NSX Manager and vCenter.
- B.** vCenter has been given Palo Alto Networks subscription licenses for VM-Series firewalls.
- C.** The deployed VM-Series firewall can establish communications with Panorama.
- D.** Panorama can establish communications to the public Palo Alto Networks update servers.

Answer: A C

* For automating the deployment of VM-Series firewalls from NSX Manager, Panorama must be configured to recognize and communicate with both the NSX Manager and vCenter. This ensures that Panorama can manage the firewall policies and orchestration efficiently.

NO.6 Which technology allows for granular control of east-west traffic in a software-defined network?

- A.** Microsegmentation
- B.** MAC Access Control List
- C.** Routing
- D.** Virtualization

Answer: A

Explanation:

Microsegmentation is a security technique that enables granular control of east-west traffic within a software-defined network. By dividing the network into smaller segments, each with its own security policies, microsegmentation allows for detailed control over communication between workloads, thereby reducing the attack surface and preventing lateral movement of threats within the network.

References:

- * Palo Alto Networks Microsegmentation Guide: Microsegmentation Guide
- * VMware NSX Microsegmentation: NSX Microsegmentation

NO.7 Which software firewall would assist a prospect who is interested in securing extensive DevOps deployments?

- A.** VM-Series
- B.** CN-Series
- C.** Ion-Series
- D.** Cloud next-generation firewall (NGFW)

Answer: B

Explanation:

CN-Series for DevOps deployments:

- * The CN-Series firewall is specifically designed to secure containerized environments and is ideal for

protecting extensive DevOps deployments. It integrates seamlessly with Kubernetes and other container orchestration platforms, providing the necessary security controls for DevOps processes.