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PSE-SoftwareFirewall

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

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Question: 1

A CN-Series firewall can secure traffic between which elements?

A. Host containers
B. Containers
C. Pods
D. Source applications

Answer: C

Explanation:
The CN-Series firewalls are specifically designed to secure containerized environments. They can secure traffic between Kubernetes pods, which are the smallest deployable units in a Kubernetes cluster, and are often composed of one or more containers. The primary focus of CN-Series firewalls is to ensure security within Kubernetes environments by managing traffic and enforcing security policies at the pod level.
Reference:
Palo Alto Networks CN-Series Datasheet: CN-Series Datasheet
Palo Alto Networks CN-Series Documentation: CN-Series Documentation

Question: 2

What Palo Alto Networks software firewall protects Amazon Web Services (AWS) deployments with network security delivered as a managed cloud service?

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

Answer: C

Explanation:
The Cloud NGFW by Palo Alto Networks is a managed cloud service designed to provide advanced network security capabilities within AWS deployments. This service leverages Palo Alto Networks' technology to deliver scalable and comprehensive security without the need for users to manage the infrastructure themselves. It is ideal for organizations looking to integrate robust security within their cloud environments efficiently.
Reference:
Palo Alto Networks Cloud NGFW for AWS: Cloud NGFW for AWS

AWS Marketplace: Cloud NGFW for AWS

Question: 3

Which protocol is used for communicating between VM-Series firewalls and a gateway load balancer in Amazon Web Services (AWS)?

A. Geneve
B. VRLAN
C. VMLAN
D. GRE

Answer: A

Explanation:
Geneve (Generic Network Virtualization Encapsulation) is the protocol used for communication between VM-Series firewalls and a Gateway Load Balancer (GWLB) in AWS. Geneve provides a flexible encapsulation method and is specifically supported for integrating with AWS GWLB to ensure seamless traffic flow and security inspection.
Reference:
AWS Gateway Load Balancer Documentation: AWS GWLB
Palo Alto Networks Integration Guide: Integrating VM-Series with AWS GWLB

Question: 4

Which two routing options are supported by VM-Series? (Choose two.)

A. RIP
B. OSPF
C. IGRP
D. BGP

Answer: B D

Explanation:
The VM-Series firewalls support various dynamic routing protocols to ensure efficient and resilient network traffic management. Among these, OSPF (Open Shortest Path First) and BGP (Border Gateway Protocol) are supported. OSPF is used for intra-domain routing, while BGP is essential for inter-domain routing, allowing VM-Series to participate in complex and scalable network topologies.
Reference:
Palo Alto Networks VM-Series Deployment Guide: VM-Series Deployment Guide
Palo Alto Networks Administrator's Guide: Routing Protocols

Question: 5

Which of the following can provide application-level security for a web-server instance on Amazon Web Services (AWS)?

A. VM-Series firewalls
B. Hardware firewalls
C. Terraform templates
D. Security groups

Answer: A

Explanation:
VM-Series firewalls provide advanced application-level security for web-server instances on AWS. These virtual firewalls leverage Palo Alto Networks' next-generation firewall capabilities to offer features like application identification, threat prevention, and URL filtering, ensuring comprehensive security for web applications hosted on AWS.
Reference:
Palo Alto Networks VM-Series on AWS: VM-Series on AWS
AWS Security Best Practices: AWS Security Best Practices

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