

Paloalto-Networks

Exam Questions SD-WAN-Engineer

Palo Alto Networks SD-WAN Engineer



NEW QUESTION 1

A network engineer is able to ping and traceroute from SD-WAN branch IP 192.168.1.123 to servers in primary data center – DC1, but is unable to ping or traceroute to a server 10.2.2.22 in the newly configured secondary data center, DC2.

The DC2 ION device is advertising the branch IP subnet 192.168.1.0/24 to the DC2 core via eBGP Core Peer. The DC2 data center site has site prefix 10.2.2.0/23 configured.

Which configuration will resolve the issue in this scenario?

- A. The default 0.0.0.0/0 static route to the DC2 ION pointing to the DC2 next hop.
- B. Reconfigure eBGP Core Peer to iBGP Core Peer.
- C. Reconfigure eBGP Core Peer as Edge Peer type.
- D. Remove site prefix 10.2.2.0/23 from DC2 site configuration.

Answer: A

NEW QUESTION 2

Network segmentation is required due to overlapping IP address space and M&A scenarios. Which Prisma SD-WAN feature will achieve the desired segmentation and end-to-end connectivity in this use case?

- A. Virtual Routing and Forwarding (VRF) profiles with proper site bindings to achieve desired isolation across the underlay
- B. Virtual Routing and Forwarding (VRF) profiles with proper site bindings to achieve desired isolation locally and across the secure fabric
- C. Multiple contexts with interface segmentation to achieve desired isolation across the underlay
- D. Multiple virtual routers with interface segmentation to achieve desired isolation across the secure fabric

Answer: B

NEW QUESTION 3

A network engineer is troubleshooting an ION device that is showing as "Offline" in the Prisma SD-WAN portal, despite the site reporting that local internet access is working. The engineer has console access to the device.

Which CLI command should be used to specifically validate the device's ability to resolve the controller's hostname and establish a secure connection to it over a specific interface?

- A. ping <controller-ip>
- B. debug controller reachability <interface>
- C. show system connectivity
- D. dump vpn summary

Answer: B

NEW QUESTION 4

What does Prisma SD-WAN use for monitoring and operations to deliver flow data and application visibility?

- A. ADEM
- B. IPFIX
- C. SNMPv3
- D. IP SLA

Answer: B

NEW QUESTION 5

A remote branch site is reporting intermittent connectivity to the Data Center. The administrator checks the System > Alarms page and sees a "VPN_DOWN" alarm for the tunnel to the DC. However, the internet circuit status is "Up".

Which specific log file or diagnostic tool in the Prisma SD-WAN portal would provide the IKE (Internet Key Exchange) error codes (e.g., "NO_PROPOSAL_CHOSEN" or "AUTH_FAILED") to pinpoint the cause of the tunnel failure?

- A. Flow Browser
- B. Event Logs > System
- C. Site Summary > Topology
- D. Link Quality Graphs

Answer: B

NEW QUESTION 6

Which troubleshooting action should be taken when resources at one branch site can reach the internet but cannot be reached from the data center (DC)?

- A. Create static route with DC ION as a next hop.
- B. Ensure the LAN branch prefixes are set to ??global.??
- C. Set the site in a control mode.
- D. Admin up the Prisma SD-WAN DC endpoints.

Answer: B

NEW QUESTION 7

In a Data Center deployment, what is the key functional difference between configuring a BGP neighbor as a "Core Peer" versus an "Edge Peer"?

- A. A Core Peer is used for LAN-side routing to learn DC prefixes, while an Edge Peer is used for WAN-side routing to the Service Provider.

- B. A Core Peer automatically redistributes learned routes into the SD-WAN fabric, whereas an Edge Peer does not.
- C. A Core Peer supports eBGP only, while an Edge Peer supports iBGP only.
- D. A Core Peer is used for connecting to the internet, while an Edge Peer connects to the MPLS provider.

Answer: A

NEW QUESTION 8

An organization has provided the following technical requirements and details:

- ? High availability (HA) at all data center and branch locations
 - ? Two geographically separate main data center locations
 - ? One small data center location that contains local users and applications requiring policies
 - ? 50 branch locations
 - ? ISP capacities for all branch locations but no accurate measurement of the actual bandwidth consumption
- Based on Palo Alto Networks best practices and recommendations, which two licensing options will meet the customer objectives? (Choose two.)

- A. Six data center subscriptions
- B. Aggregate bandwidth subscription
- C. Four data center subscriptions
- D. Branch subscription per site

Answer: AB

NEW QUESTION 9

A network engineer is troubleshooting a "Voice Quality" issue. They suspect that the DSCP markings are being stripped or altered by the ISP.

Which tool in the Prisma SD-WAN portal allows the engineer to capture live packets on the WAN interface and inspect the IP header ToS/DSCP field?

- A. Flow Browser
- B. Packet Capture (PCAP)
- C. Path Quality Monitor
- D. Event Logs

Answer: B

NEW QUESTION 10

Which IONs can support Branch Gateway?

- A. 3102V, 3200, 1200S, 5200
- B. 1200, 3200, 9200, 7108V1
- C. 3104V, 1200S, 5200, 7108V
- D. 9200, 3200, 5200, 7116V

Answer: D

NEW QUESTION 10

What are two potential causes when a secondary public circuit has been added to the branch site, but the Prisma SD-WAN tunnel is not forming to the data center? (Choose two.)

- A. Interface role is not selected as ??internet.??
- B. Circuit label is missing from interface type.
- C. DNS is not configured.
- D. Interface scope is set to ??local.??

Answer: AB

NEW QUESTION 13

In the Prisma SD-WAN portal, the Application Health dashboard assigns a color-coded "Health Score" (Green, Yellow, Red) to applications.

Which three metrics are combined to calculate this composite AppX (Application Experience) score? (Choose three.)

- A. Transaction Failure Rate
- B. Network Transfer Time (NTT)
- C. Server Response Time (SRT)
- D. Bandwidth Utilization
- E. Jitter

Answer: ABC

NEW QUESTION 16

A network design mandates segmentation at the routing level and traffic isolation across various services, such as teller cash registers, ATM traffic, guest Wi-Fi, and corporate applications. Which command can be used to validate and display the Virtual Routing and Forwarding (VRF) route leak rules?

- A. show interface vrf route_leak_rule all
- B. dump vrf route_leak_rule
- C. inspect flow_browser vrf all
- D. inspect vrf route_leak_rule all

Answer: D

NEW QUESTION 18

Site templates are to be used for the large-scale deployment of 100 Prisma SD-WAN branch sites across different regions. Which two statements align with the capabilities and best practices for Prisma SD-WAN site templates? (Choose two.)

- A. The use of Jinja conditional statements within a site template is not supported, thereby limiting dynamic customization options.
- B. Mandatory variables for any site template include the site name, ION software version, and at least one ION serial number /device name pair.
- C. Site templates offer the capability to pre-stage device configurations by creating a device shell.
- D. Once a site has been deployed using a template, its configuration can be updated or modified by applying an updated version of the template.

Answer: BC

NEW QUESTION 23

1000 branches are to be deployed on Prisma SD-WAN with the following constraints:

- ? Devices will be shipped in batches directly to the site
 - ? Configuration Management Database (CMDB) has all the necessary details for a site deployment
 - ? Field tech will be responsible for rack, stack, and cabling of the IONs at each site
 - ? Field tech will need to spend minimum amount of time at each branch site to reduce the cost
 - ? The NOC operates in shifts and is responsible for remote cutover support
- Which method will achieve the mass deployment in shortest possible time?

- A. Connect the ION to the LAN switch to bring it online, configure the device using the legacy network, connect the ISP modem or cellular, and cutover the site once the ION is configured.
- B. Connect the device to the ISP modem or use cellular, use device shell to pre-create the configuration for a site, assign the device to the template when device is online, and connect the LAN switch to the ION.
- C. Use site templates and device shells to pre-create the configuration using CSV bulk upload, connect the device to the ISP modem or using cellular, assign the device to the template when device is online, and connect the LAN switch to the ION.
- D. Connect the device to the ISP modem or use cellular, use Prisma SD-WAN Software Development Kit (SDK) using API method for site deployment once the device is online, connect the LAN switch to the ION.

Answer: C

NEW QUESTION 25

What is the default behavior of the Zone-Based Firewall (ZBFW) for traffic originating from the ION device itself (e.g., DNS queries, NTP sync, or Controller connectivity) destined for the "Internet" zone?

- A. It is denied by the default "Deny All" rule unless explicitly allowed.
- B. It is allowed by the implicit "Self-Zone" allow rule.
- C. It is allowed only if the "Management" interface is used.
- D. It is inspected by the "Global" security stack but bypasses local rules.

Answer: B

NEW QUESTION 30

In a data center (DC) with two ION devices, all of the remote branch Prisma SD-WAN VPNs are active only on DC ION-1. Why are no VPNs active on DC ION-2?

- A. The BGP core peer is down.
- B. The static route to core as a next hop is missing.
- C. The ION device is behind a NAT.
- D. The DC and branches are in a different domain.

Answer: A

NEW QUESTION 33

BGP core peers on data center IONs are learning only a default route from the core router. Which action will protect the SD-WAN network from getting isolated in the event of BGP misconfiguration on the core routers?

- A. Enable BGP Bidirectional Forwarding Detection (BFD) on the core peer sessions to rapidly detect BGP neighbor failures.
- B. Configure BGP max-prefix limits on the ION devices to prevent them from accepting too many routes from the core routers.
- C. Add a static default route with higher admin distance pointing to the core peer IPs.
- D. Implement BGP route filtering using prefix lists and route maps on the ION devices to only accept specific, known prefixes from the core.1

Answer: C

NEW QUESTION 35

For how many hours are Prisma SD-WAN VPN shared secrets valid?

- A. 1
- B. 8
- C. 24
- D. 72

Answer: C

NEW QUESTION 38

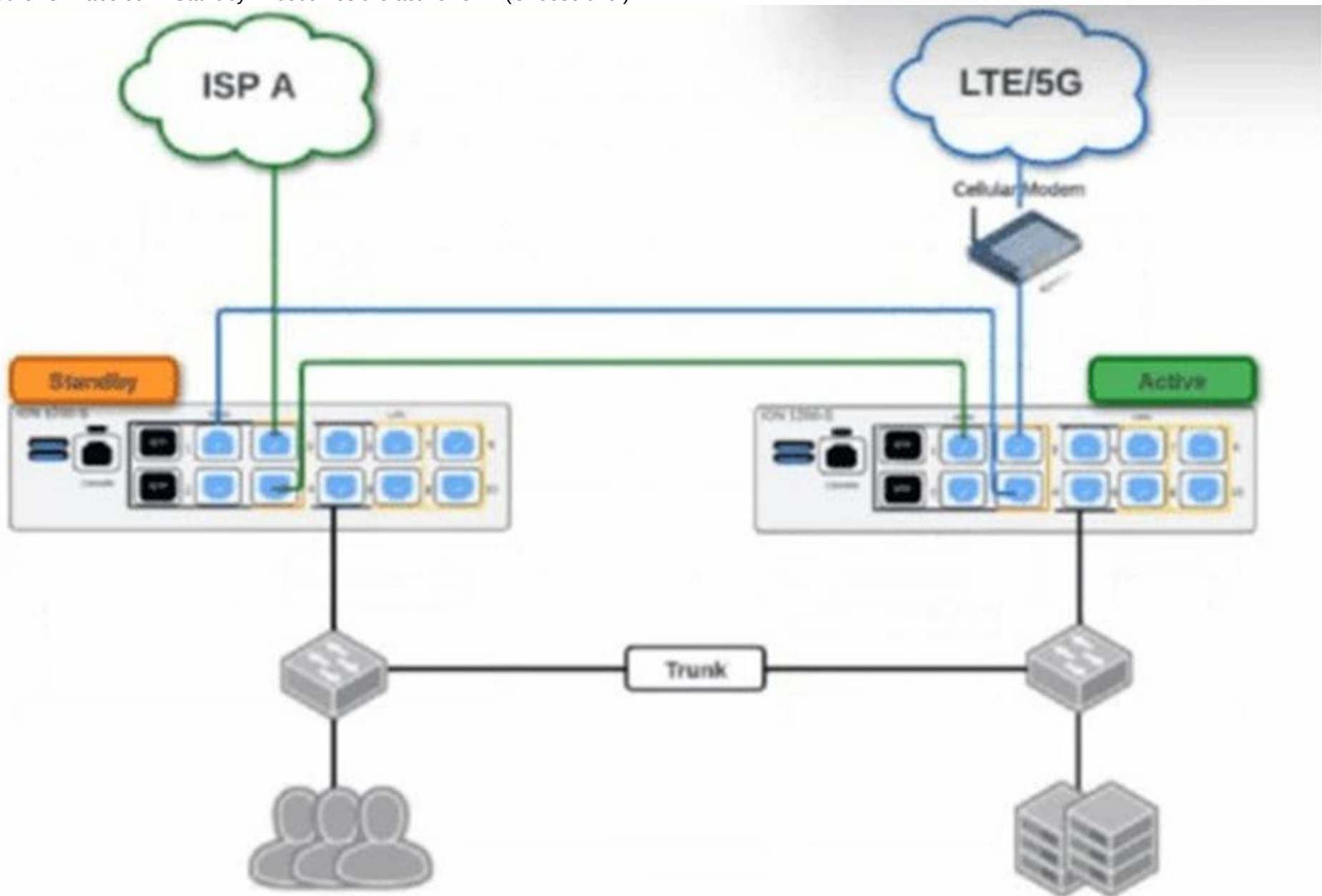
In which modes can a Prisma SD-WAN branch be deployed?

- A. Testing, Control, POV
- B. Production, Control, Disabled
- C. Disabled, Analytics, Control
- D. POV, Production, Analytics

Answer: C

NEW QUESTION 43

Based on the HA topology image below, which two statements describe the end-state when power is removed from the ION 1200-S labeled ??Active??, assuming that the ION labeled ??Standby?? becomes the active ION? (Choose two.)



- A. Both the connection to ISP A and the connection to LTE/5G will be usable.
- B. The VRRP Virtual IP address assigned to any SVIs will be moved to the newly active ION.
- C. The newly active ION will send a gratuitous ARP to the LAN for the IP address of any SVIs.
- D. The connection to ISP A will be usable, but the connection to LTE/5G will not.

Answer: AC

NEW QUESTION 45

A network installer is at a remote branch site to deploy a new ION 3000 device. The device has been racked, cabled to the internet, and powered on. The installer has the "Claim Code" displayed on the email sent by the administrator. When the administrator enters this Claim Code into the Prisma SD-WAN portal, what is the immediate status of the device before the configuration is fully pushed?

- A. Online
- B. Claimed
- C. Provisioned
- D. Active

Answer: B

NEW QUESTION 48

A network installer is attempting to claim a new ION device using the "Claim Code" method. The device is connected to the internet, but the status in the portal remains stuck at "Claimed" and does not transition to "Online". The installer connects a laptop to the LAN port of the ION and can successfully browse the internet, confirming the uplink is active.

What is the most likely cause of the device failing to reach the "Online" state?

- A. The device is missing the "Site" assignment in the portal.
- B. The upstream firewall is blocking outbound TCP port 443 or UDP port 123 (NTP).
- C. The device has not yet downloaded the latest software image.
- D. The "Circuit Label" has not been applied to the WAN interface.

Answer: B

NEW QUESTION 51

What is the number and structure of Prisma SD-WAN QoS queues supported per WAN interface?

- A. 12 queues4 classes13 application criteria within each class
- B. 16 queues4 classes4 application criteria with each class
- C. 8 queues1 priority queue7 non-priority queues
- D. 8 queues2 classes4 application criteria within each class

Answer: B

NEW QUESTION 56

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

Answer: B

NEW QUESTION 57

When deploying a branch gateway, secure fabric VPN tunnels are automatically established between which two site types? (Choose two.)

- A. Branch to branch gateway (same domain)
- B. Branch gateway to data center
- C. Branch gateway to branch gateway
- D. Branch to branch gateway (different domain)

Answer: BC

NEW QUESTION 62

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