

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

A network administrator is viewing the Flow Browser to investigate a report that a specific user cannot access an internal web server. The flow entry for this traffic shows the "Flow State" as "INIT" and it remains in that state until it times out.

What does the "INIT" state indicate about the traffic flow?

- A. The TCP 3-way handshake was completed successfully, and data is being transferred.
- B. The ION device received the SYN packet from the client but never saw a SYN-ACK response from the server.
- C. The flow was denied by a Zone-Based Firewall policy on the ION.
- D. The traffic is being buffered while the ION waits for a dynamic VPN tunnel to establish.

Answer: B

NEW QUESTION 3

An administrator is configuring an ION 2000 device for a deployment where high availability is required, but the site has only a single internet circuit. The administrator configures a Bypass Pair (Fail-to-Wire) on ports 1 and 2 connecting the ISP modem to the legacy firewall.

If the ION device loses power, what is the resulting behavior of the traffic flowing through this Bypass Pair?

- A. Traffic is blocked to prevent uninspected packets from entering the network (Fail-to- Block).
- B. The internal relay closes, physically bridging Port 1 and Port 2, allowing traffic to flow transparently between the modem and firewall.
- C. The device reboots into "Safe Mode" and acts as a Layer 2 switch.
- D. Traffic is rerouted to the LTE modem automatically.

Answer: B

NEW QUESTION 4

How can a network administrator detect a site outage or a service-level agreement (SLA) violation using controller-generated incidents?

- A. Incidents, SNMP traps, and audits
- B. Device logs, alerts, and incidents
- C. Incidents, alerts, statistics, and audit logs
- D. Priority alerts, informational alerts, and audit logs

Answer: C

NEW QUESTION 5

When defining a Path Quality Profile (SLA) for a "Transactional" application group (e.g., Citrix, Oracle), the administrator sets the "Packet Loss" threshold to 1%.

What happens to the traffic for this application if all active paths currently exceed this 1% loss threshold?

- A. The traffic is dropped to prevent data corruption.
- B. The system selects the best available path (lowest loss) among the active paths, even if it violates the profile.
- C. The traffic is queued indefinitely until a path recovers.
- D. The system automatically enables a Backup path, even if the Active paths are technically "Up" but degraded.

Answer: B

NEW QUESTION 6

Which configuration requirement must be met to allow two branch ION devices to automatically establish a direct Dynamic VPN (branch-to-branch) connection for traffic flow, bypassing the Data Center?

- A. Both ION devices must be members of the same VPN Cluster.
- B. A static "Gre Tunnel" must be manually configured between the two sites.
- C. The Data Center ION must be offline to trigger the dynamic failover.
- D. The "Standard VPN" path policy must be selected.

Answer: A

NEW QUESTION 7

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 8

A customer wants to deploy Prisma SD-WAN ION devices at small home offices that use consumer-grade broadband routers. These routers typically use Symmetric NAT and do not allow static port forwarding.

Which standard mechanism does Prisma SD-WAN utilize to successfully establish direct Branch-to-Branch (Dynamic) VPN tunnels through these Symmetric NAT devices?

- A. UPnP (Universal Plug and Play)
- B. STUN (Session Traversal Utilities for NAT)
- C. Manual GRE Tunnels
- D. SSL VPN encapsulation

Answer: B

NEW QUESTION 9

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 10

Which component of Prisma SD-WAN is responsible for distributing User-IP and user- group mappings to branch devices that match the corresponding source IPs?

- A. DC ION
- B. Cloud Identity Engine
- C. Controller
- D. NGFW

Answer: C

NEW QUESTION 10

When an ION device has been claimed, the cloud-based controller generates and communicates with the device by which method?

- A. Manufacturer Installed Certificate (MIC)
- B. Existing customer public key infrastructure (KPI)
- C. Self-signed certificate
- D. Customer Installed Certificate (CIC)

Answer: A

NEW QUESTION 13

When planning a software upgrade for a large fleet of ION devices, what is the recommended best practice regarding the "Software Version" assigned in the Site Summary?

- A. Manually log into each device and upload the new image file via USB.
- B. Assign the new software version to the "Global" site configuration to upgrade all 1000+ sites simultaneously.
- C. Use Site Tags to group sites (e.g., "Pilot", "Region-1", "Region-2") and assign the new software version incrementally to these tags to minimize risk.
- D. The ION devices upgrade themselves automatically whenever a new version is released by Palo Alto Networks.

Answer: C

NEW QUESTION 14

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 17

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 20

Which troubleshooting step should be taken when users at a branch site are experiencing a maximum throughput of 200 Mbps for Direct Internet Access (DIA) traffic on a 1 Gbps internet connection?

- A. Ensure QoS policy is applies to the site.
- B. Ensure the WAN interface is set to 1 Gbps or auto mode.
- C. Ensure performance policy is applied to the site.
- D. Ensure the circuit configuration at the site level is properly set.

Answer: D

NEW QUESTION 25

An administrator has configured a Path Policy for "ERP_Traffic". The policy allows two public internet links, "ISP-A" and "ISP-B", both marked as "Active". The Path Quality Profile (SLA) requires a latency of less than 150ms. Currently, both ISP-A and ISP-B have a latency of 40ms, well within the SLA. How does the Prisma SD-WAN ION determine which link to use for a new flow of "ERP_Traffic" when both active paths meet the SLA requirements?

- A. It selects the path with the lowest numerical latency (e.g., if ISP-A drops to 39ms).
- B. It selects the path with the highest available bandwidth capacity.
- C. It duplicates the packets across both paths (Packet Duplication) to ensure delivery.
- D. It selects the path that appears first in the interface configuration list.

Answer: B

NEW QUESTION 28

An administrator is configuring a High Availability (HA) pair of ION 3000 devices at a Data Center. Which statement accurately describes the requirement for the HA Control Interface connection between the two devices?

- A. The HA Control interface must be connected via a Layer 3 routed network to ensure reachability across different subnets.
- B. The HA Control interface must be a direct physical connection or a Layer 2 adjacent connection on a dedicated VLAN, with no routing between them.
- C. The HA Control connection is optional if both devices are managed by the same Cloud Controller.
- D. The HA Control interface uses the management port and must be connected to the internet.

Answer: B

NEW QUESTION 30

Which action meets the needs of an organization that requires elevated incident notifications for its headquarters location?

- A. Export syslog to an external syslog collector and mark all messages as ??Critical.??
- B. Implement performance policy specifically for the site with very aggressive service-level agreement (SLA) thresholds.
- C. Enable an event policy rule for the site with the action to set priority to the highest available level.
- D. Enable SNMPv3 trap notifications to an external network management system.

Answer: C

NEW QUESTION 32

When using the CloudBlade to integrate Prisma SD-WAN with Prisma Access, how does the system ensure that the IPSec tunnels between the branch ION and the Prisma Access Security Processing Node (SPN) are kept alive during periods of no user traffic?

- A. The administrator must configure a continuous ping script on a branch PC.
- B. The CloudBlade automatically configures the ION to send Synthetic Probes (ICMP/HTTP) across the tunnel.
- C. The IPSec tunnel uses standard DPD (Dead Peer Detection) and the ION sends keepalives.
- D. Prisma Access initiates the connection to the branch every 60 seconds.

Answer: C

NEW QUESTION 34

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.

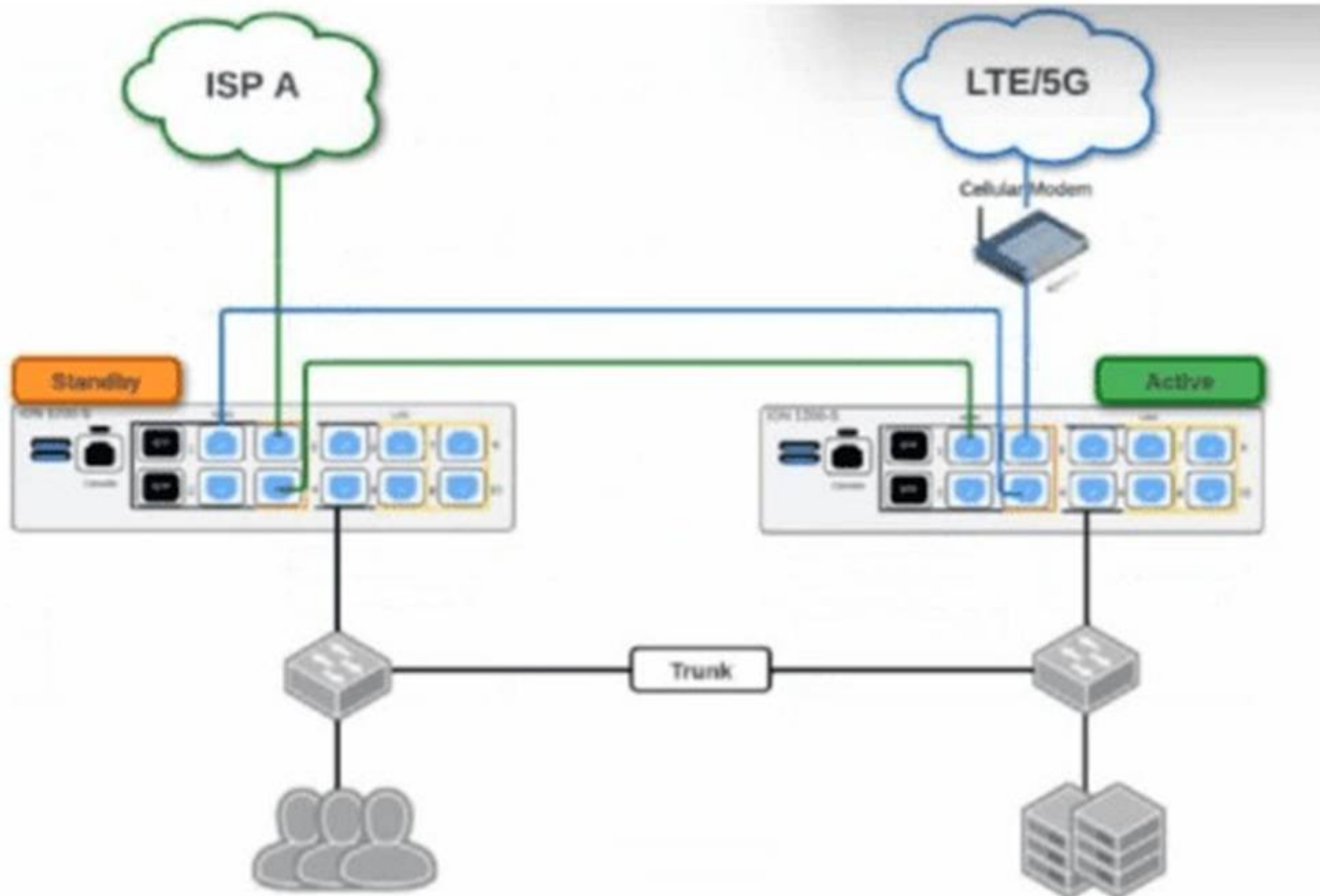
C. Use site templates and device shells to pre-create the configuration using CSV bulk upload, connect the device to the ISP modem or using cellular, assign the device to the template when device is online, and connect the LAN switch to the ION.

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 37

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 40

Which condition, when configured within a performance policy, is a trigger for generating an incident related to application performance or path degradation?

A. Violation of defined service-level agreement (SLA) thresholds for application performance or link quality.

B. Exceeding the configured threshold for total concurrent flows in the ION device, resulting in a `SYSTEM_CONCURRENT_FLOW_THRESHOLD_EXCEEDED` incident.

C. Loss of a BGP peering session on a data center ION device, leading to potential routing instability.

D. Physical WAN interface transitioning from an ??up?? to a ??down?? state, resulting in a `NETWORK_ANYNETLINK_DOWN` event.

Answer: A

NEW QUESTION 43

Return traffic for an application from the branch is being dropped on the branch ION. Application traffic arrives via SD-WAN internet overlay at the branch, and path policy for the application at the branch has the following settings:

Active = MPLS Overlay

Backup = Prisma Access on internet

Which branch configuration is the probable cause of this behavior?

A. It has Prisma Access tunnel over MPLS circuit but not on the internet circuit.

B. It has one MPLS and one internet circuit.

C. It has two internet circuits and no MPLS circuit.

D. It has no MPLS circuit, and the Prisma Access tunnel is down.

Answer: C

NEW QUESTION 48

An administrator is configuring a BGP peer on a Data Center ION to learn routes from the core switch. The goal is to have the ION learn these prefixes and then advertise them to all remote branch sites across the SD-WAN overlay.

Which setting must be configured on the BGP Peer to ensure these learned routes are redistributed into the SD-WAN fabric?

- A. Set the "Admin Distance" to 20.
- B. Enable "Graceful Restart".
- C. Set the "Scope" to "Global".
- D. Configure a "Prefix List" to deny all.

Answer: C

NEW QUESTION 53

User-ID integration is configured for a Prisma SD-WAN deployment. Branch-1 has the user-to-IP mappings available, and User-1 is mapped to IP-1. To which two use cases can User-ID based zone-based firewall policies be applied? (Choose two.)

- A. User-1 accessing a SaaS application on direct internet and source User-ID based zone- based firewall rules on Branch-1 ION
- B. User-1 accessing a private application within Branch-1, and source User-ID based zone- based firewall rules on Branch-1 ION
- C. User-1 accessing a private application in data center via SD-WAN overlay, and destination User-ID based zone-based firewall rules on DC ION
- D. User-1 accessing a private application in Branch-2 via SD-WAN overlay, and destination User-ID based zone-based firewall rules on Branch-2 ION

Answer: AB

NEW QUESTION 55

Two branch sites, "Branch-A" and "Branch-B", are both behind active NAT devices (Source NAT) on their local internet circuits.

What requirement must be met for these two branches to successfully establish a direct Dynamic VPN (ION-to-ION) tunnel over the internet?

- A. One of the sites must have a Static Public IP (1:1 NAT) to act as the initiator.
- B. Both sites must disable NAT and use public IPs on the ION interface.
- C. The ION devices automatically use STUN (Session Traversal Utilities for NAT) to discover their public IPs and negotiate the connection.
- D. Dynamic VPNs are not supported if both sides are behind NAT.

Answer: C

NEW QUESTION 58

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 59

A branch manager reports slow network performance, and the network administrator wants to use Prisma SD-WAN Copilot to quickly identify if a specific user, by source IP address, is consuming excessive bandwidth as well as which applications are contributing to this consumption. How can Copilot assist in this investigation?

- A. It will automatically generate and email a ??User Bandwidth Consumption?? report for the specified branch, which the administrator can use to find the top user and the application details.
- B. It can identify the top applications being used across the entire branch and can be correlated with Flow Browser to attribute specific application usage or total bandwidth consumption to individual source IPs.
- C. It can directly process a natural language query such as ??Show top bandwidth source IPs at SD-WAN Branch X over last 3 hours,?? provide summarized views of the top- consuming source IPs, and view the primary applications they are using.
- D. It will redirect the administrator to the WAN Clarity ??Top N: Source IPs?? report and the ??Flow Browser?? utility, suggesting correlation between these tools to determine a user??s specific application usage.

Answer: C

NEW QUESTION 60

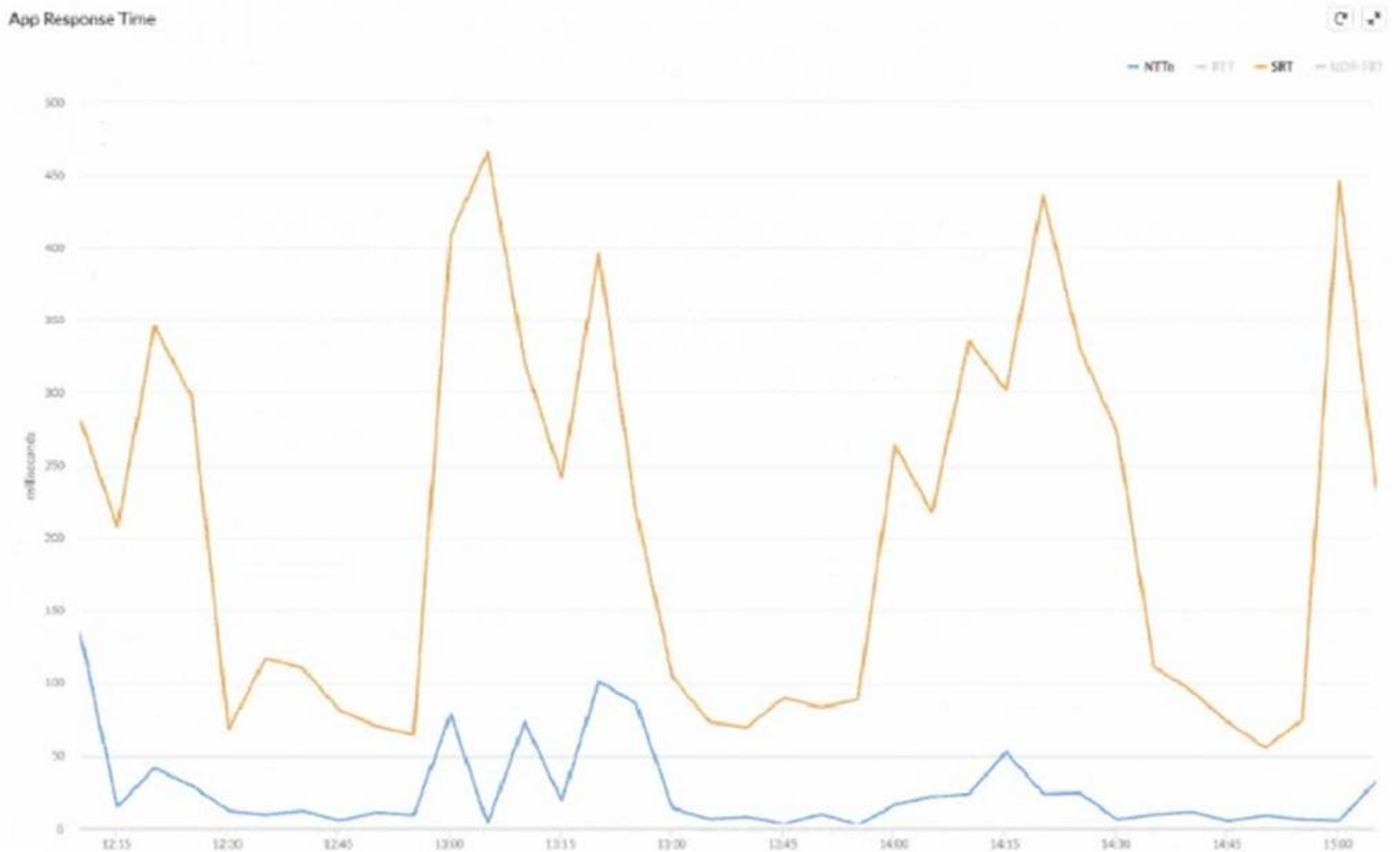
What is the purpose of Secure Group Tag (SGT) propagation in Prisma SD-WAN?

- A. To integrate with external identity-based security solutions
- B. To manage QoS policies for traffic based on user and application type
- C. To clarify the intent of rules or configuration objects and improve rule organization
- D. To enable or disable SGT settings at the interface level and initiate services like NTP, DHCP, and App Probes

Answer: A

NEW QUESTION 61

There are periodic complaints about the poor performance of a real-time application.



What can be inferred about the performance issue, based on the Network Transfer Time (NTT) and Server Response Time (SRT) image below?

- A. The NTT value increases periodically resulting in higher SRT.
- B. The NTT value drops periodically due to network related issues.
- C. The SRT value increases periodically due to Application Server side issues.
- D. The SRT value drops periodically due to Application Server side issues.

Answer: C

NEW QUESTION 66

While designing a greenfield Prisma SD-WAN solution for a retailer, the risk management group requires segmentation of the retail network to avoid one large fault domain.

The following data points are provided:

- ? Two data centers and all sites need to access applications in both data centers
- ? 1000 retail branches with stores concentrated in multiple metropolitan areas
- ? Data Center 1 and Data Center 2 have different sets of applications that are not replicated
- ? Maintaining application availability is the primary goal

Which action will segment the retail network and reduce regional outages?

- A. Implement a single, large data center cluster spanning both data centers to centralize management and optimize resource use.
- B. Create more than one data center cluster for a larger pool of resources and resiliency.
- C. Create more than one data center cluster in each data center and assign sites to clusters so nearby retail locations can be spread on separate clusters.
- D. Add more data center aggregation devices within the same cluster to enhance the scalability and resilience.

Answer: C

NEW QUESTION 67

A network administrator is troubleshooting a critical SaaS application, ??SuperSaaSApp??, that is experiencing connectivity issues. Initially, the configured active and backup paths for the application were reported as completely down at Layer 3. The Prisma SD-WAN system attempted to route traffic for the application over an L3 failure path that was explicitly configured as a Standard VPN to Prisma Access.

However, users are still reporting a complete outage for the application and monitoring tools show application flows being dropped when attempting to use the Standard VPN L3 failure path, even though the tunnel itself appears to be up. The administrator suspects a policy misconfiguration related to how the Standard VPN path interacts with destination groups.

What is the most likely reason for flows being dropped when attempting to use the Standard VPN L3 failure path?

- A. The ??Move Flows Forced?? action was not enabled in the performance policy for ??SuperSaaSApp??, preventing the system from actively shifting traffic to the L3 failure path.
- B. The path policy rule for ??SuperSaaSApp?? has the ??Required?? checkbox selected for its Service & DC Group, but no direct paths were configured alongside it, creating a conflict.
- C. The path policy rule explicitly designates a Standard VPN as the L3 failure path, but it does not include a designated Standard Services and DC Group, causing traffic to be dropped.
- D. The Standard VPN in the path policy was not configured to ??Minimize Cellular Usage??, leading to the depletion of metered data and subsequent flow drops.

Answer: C

NEW QUESTION 70

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