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HPE Campus Access Switching Expert Written Exam Sample Questions (Q10-Q15):

NEW QUESTION # 10

The client would like to automate the process of troubleshooting issues to have better visibility. Which solution would you recommend for your client?

- A. AIOps integrated into HPE Aruba Networking Central
- B. HPE Aruba Networking Fabric Compose
- C. Automate processes with scripting like Python.
- D. HPE Aruba Networking Switch Multi-Edit Software

Answer: A

Explanation:

The client wants to automate troubleshooting processes and gain better visibility into their network. We need to identify the recommended Aruba solution.

* Analysis of Options:

* A. HPE Aruba Networking Fabric Composer: A tool primarily for data center fabric provisioning and management, not general campus troubleshooting automation.

* B. HPE Aruba Networking Switch Multi-Edit Software: Likely refers to configuration management features (e.g., in Central or NetEdit) for applying changes to multiple switches, not primarily focused on automated troubleshooting or visibility.

* C. Automate processes with scripting like Python: AOS-CX supports on-box scripting (NAE) and REST APIs, enabling custom automation for monitoring and troubleshooting. While powerful, it requires development effort.

* D. AIOps integrated into HPE Aruba Networking Central: Aruba Central's AIOps capabilities are specifically designed to enhance visibility and automate aspects of troubleshooting. It uses AI

/ML to analyze network data, detect anomalies, provide insights into potential issues, correlate events, and offer prescriptive recommendations, directly addressing the client's need for better visibility and automated assistance with troubleshooting.

* Conclusion: While custom scripting (C) allows automation, Aruba Central AIOps (D) is the platform- integrated solution specifically marketed and designed by HPE Aruba Networking to provide enhanced visibility and automated insights for troubleshooting campus networks. It is the most direct and recommended solution among the options for achieving these goals within the Aruba ecosystem.

References: Aruba Central documentation (AIOps features), AOS-CX NAE and REST API documentation.

This relates to "Troubleshooting" (10%) and "Performance Optimization" (6%) objectives.

NEW QUESTION # 11

An administrator is monitoring third-party WLAN transmitters in HPE Aruba Networking Central and some of them are classified as rogue and suspected rogue. How are suspected rogues classified when using the default classification method for the rule "Suspected AP On-Prem" in HPE Aruba Networking Central?

- A. signal level = '-65 dBm' AND WLAN classification = "On-Prem"
- B. signal level = "-50 dBm" AND WLAN classification = "Interfering"
- C. signal level = "-55 dBm" AND WLAN classification = "Interfering"
- D. signal level = "-50 dBm" AND WLAN classification = "On Wire"

Answer: A

Explanation:

The question asks how suspected rogue APs are classified using the default classification method for the "Suspected AP On-Prem" rule in HPE Aruba Networking Central.

* Analysis of Options:

* Option A: Correct. Suspected rogues are classified with a signal level of -65 dBm (indicating proximity) and WLAN classification of "On-Prem" (indicating they are on the premises).

* Option B: Incorrect. A signal level of -55 dBm is too strong, and "Interfering" is not specific to on-premises rogues.

* Option C: Incorrect. A signal level of -50 dBm is even stronger, and "Interfering" is incorrect.

* Option D: Incorrect. "On Wire" classification applies to wired rogue detection, not wireless on-premises APs.

* Why Option A is Correct: In HPE Aruba Networking Central, the "Suspected AP On-Prem" rule identifies rogue APs based on their signal strength and location. A signal level of -65 dBm indicates the AP is close enough to be on the premises, and the "On-Prem" classification confirms it's detected within the managed network's environment. This default rule helps identify potential security threats by flagging unauthorized APs with moderate to strong signals, distinguishing them from interfering or distant APs, as per Aruba's wireless security framework.

* Relevance to Certification Objectives:

* WLAN (9%): Designing and troubleshooting RF attributes and wireless security functions.

* Security (10%): Troubleshooting and identifying rogue APs in customer networks.

* Troubleshooting (10%): Analyzing wireless issues using Aruba Central tools.

References:

HPE Aruba Networking Central User Guide: Rogue AP Detection and Classification.

HPE7-A06 Study Guide: Covers wireless security and rogue AP management.

HPE Aruba Networking Technical Documentation: Wireless Security and Rogue Detection Best Practices.

NEW QUESTION # 12

The administrator of a large company noticed that there are some problems with UCC sessions on a wired network. Some employees complain about dropped calls and poor quality. The administrator wants to monitor jitter on AOS-CX switches with IP SLA, but notices results spiking to 100%. What should the administrator check first to correct monitoring to run as desired?

- A. CoPP settings
- **B. memory and processor usage**
- C. source IP and source port combination
- D. number of NAE agents

Answer: B

Explanation:

The administrator observes IP SLA jitter monitoring results spiking to 100% when monitoring UCC sessions.

This indicates either extremely severe network jitter or, more likely, a problem with the IP SLA operation or measurement itself on the AOS-CX switch.

* IP SLA & Jitter: IP SLA measures jitter by analyzing the inter-packet delay variation of probe packets.

Accurate measurements depend on the switch generating and processing these probes consistently.

* Factors Affecting IP SLA Accuracy:

* Switch Resource Contention: If the switch's CPU or memory is heavily utilized, the operating system might not schedule the IP SLA process promptly. This can lead to inconsistent generation or processing of probe packets, causing highly inaccurate measurements, including extreme jitter values like 100%.

* Control Plane Policing (CoPP): IP SLA packets are control plane traffic. If CoPP policies are too restrictive, they might drop or delay IP SLA probes, skewing results.

* Network Path Issues: Actual severe jitter on the network path would also cause high readings, but 100% spikes often suggest measurement error first.

* Troubleshooting Steps: When encountering unexpectedly high or erratic IP SLA results, the first step is often to rule out issues with the monitoring device itself.

* Analysis of Options:

* A. memory and processor usage: Checking the switch's resource utilization is crucial. High CPU /memory load can directly impact the timing accuracy of IP SLA operations.

* B. source IP and source port combination: Unlikely to cause 100% jitter spikes unless fundamentally misconfigured causing probe failure.

* C. number of NAE agents: NAE agents consume resources, but checking overall CPU/memory (A) is more direct.

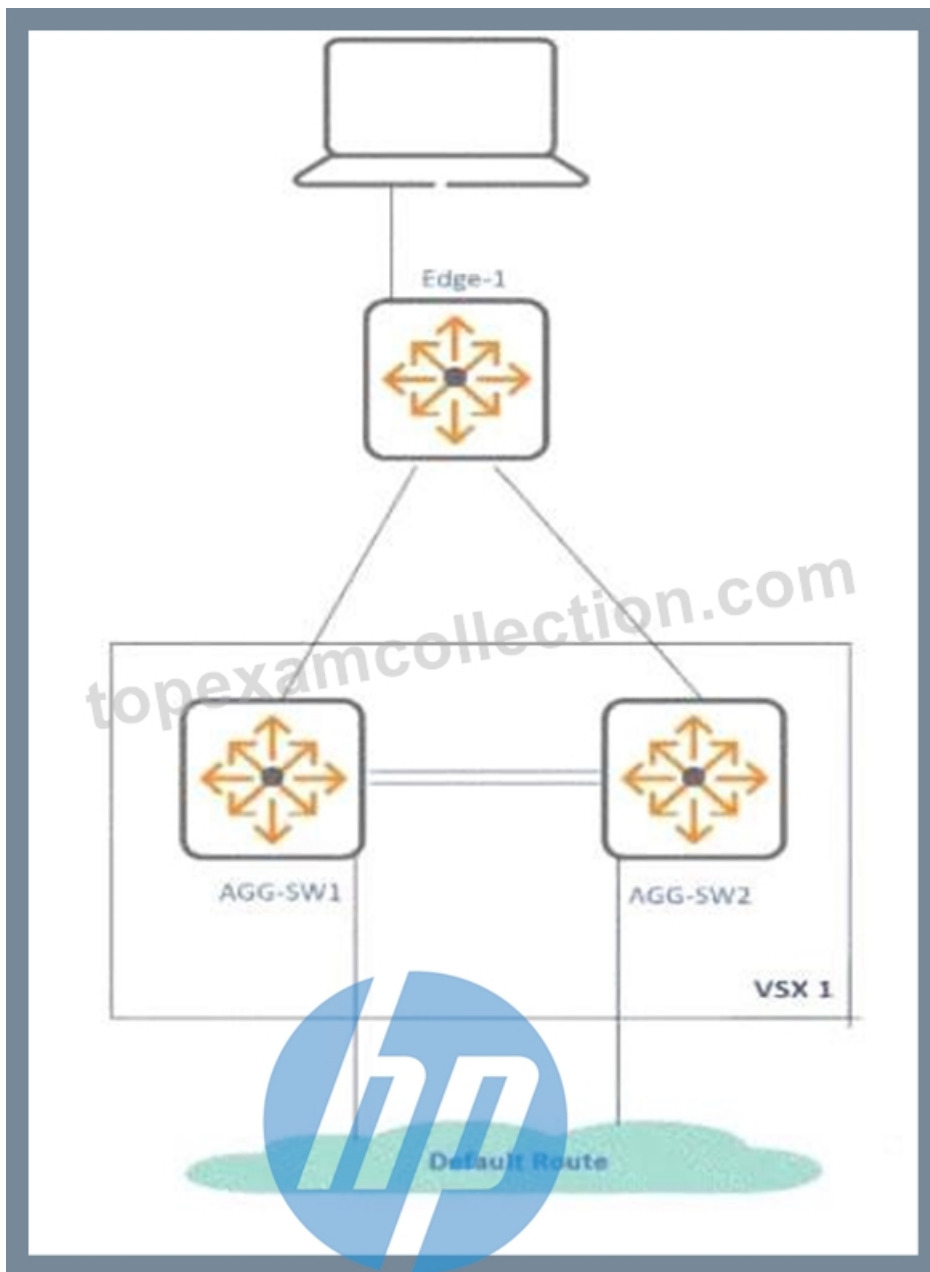
* D. CoPP settings: A valid concern, as CoPP affects control plane traffic. However, checking overall system load (A) is typically a primary check before delving into specific policies like CoPP.

* Conclusion: High memory and processor usage (Option A) on the switch running the IP SLA operation is a common cause for inaccurate timing and resulting erroneous jitter measurements. This should be checked first to ensure the monitoring platform itself is functioning correctly.

References: AOS-CX IP SLA Guide, AOS-CX Management and Configuration Guide (Monitoring CPU /Memory, CoPP). This relates to "Performance Optimization" (6%) and "Troubleshooting" (10%).

NEW QUESTION # 13

Exhibit.



After an initial setup of CX 8325 VSX configuration, the active gateway is set up for SVI 10. For testing purposes, SVI 10 on sw-aggi is shut down while traffic from the client connected to Edge-1 is initiated towards the default route.

What is the expected behavior while performing this test?

- A. Traffic is forwarded over the ISL without the risk of dropped packets.
- **B. Traffic Is unaffected and a 50ms failover time is expected for agg-sw2 to start traffic forwarding.**
- C. Traffic is potentially dropped between the client and the destination.
- D. Traffic is dropped and vsx-sync will disable SVI10 on agg-sw2 automatically.

Answer: B

Explanation:

The question involves a VSX configuration with CX 8325 switches (agg-sw1 and agg-sw2) where SVI 10's active-gateway is set up. For testing, SVI 10 on agg-sw1 is shutdown, and traffic from a client connected to Edge-1 is initiated toward the default route. The task is to determine the expected behavior.

* Analysis of Options:

* Option A: Incorrect. Traffic is not dropped, as VSX ensures redundancy via the active-gateway on agg-sw2.

* Option B: Incorrect. Traffic does not traverse the ISL unnecessarily; agg-sw2 takes over directly.

* Option C: Correct. Traffic continues unaffected, with a 50ms failover time for agg-sw2 to assume forwarding responsibilities for SVI 10.

* Option D: Incorrect. Traffic is not dropped, and vsx-sync does not disable SVI 10 on agg-sw2; it ensures consistency.

* Why Option C is Correct: In a VSX cluster with active-gateway, both switches (agg-sw1 and agg-sw2) share a virtual IP and

vMAC for SVI 10, allowing either to respond to ARP requests and forward traffic. Shutting down SVI 10 on agg-sw1 triggers agg-sw2 to take over Layer 3 forwarding, leveraging the active-gateway configuration. VSX's fast failover mechanism ensures a typical failover time of approximately 50ms, making the transition seamless for clients on Edge-1. The vsx-sync feature ensures SVI configurations remain consistent, preventing traffic disruption. This behavior aligns with HPE Aruba Networking's VSX high-availability design.

* Relevance to Certification Objectives:

* Network Resiliency and Virtualization (8%): Designing and troubleshooting VSX for high availability.

* Routing (16%): Ensuring seamless Layer 3 forwarding in VSX environments.

* Troubleshooting (10%): Diagnosing failover behavior in campus networks.

References:

HPE Aruba Networking AOS-CX Configuration Guide: VSX Active-Gateway and Failover.

HPE7-A06 Study Guide: Covers VSX high-availability and failover times.

HPE Aruba Networking Technical Documentation: VSX Best Practices for Layer 3 Redundancy.

NEW QUESTION # 14

You are configuring an HPE Aruba Networking Gateway Cluster with AOS-10. What is true about 802.1X functionality in combination with gateways? (Select two.)

- A. The gateway acts as a RADIUS Proxy only in Tunnel and Bridged Mode.
- B. Regardless of using gateways, the CoA message is always sent to the APs.
- C. Users on L3-connected gateways need to perform a full authentication after re-association on the AP.
- **D. The gateway acts as a RADIUS proxy, while the AP is the authenticator.**
- **E. The UDG remains fixed on L2-connected gateways but not on L3-connected gateways.**

Answer: D,E

Explanation:

This question asks about 802.1X functionality in an AOS-10 environment involving Gateway Clusters.

* AOS-10 Gateway/802.1X Architecture:

* Authenticator: The Access Point (AP) typically acts as the 802.1X authenticator, handling EAPoL frames with the client.

* RADIUS Proxy: The Gateway Cluster (specifically the cluster leader or UDG anchor) often acts as a RADIUS proxy, forwarding RADIUS messages between the APs and the central RADIUS server (e.g., ClearPass). This simplifies RADIUS configuration as the server only needs to know about the gateway cluster.

* CoA: Change of Authorization messages from the RADIUS server are typically sent to the device acting as the RADIUS client, which is the Gateway Cluster when operating in proxy mode.

* Mobility (L2 vs L3): Roaming behavior and User Designated Gateway (UDG) assignment can differ based on whether clients maintain their IP address (L2 mobility) or potentially require new IP information (L3 mobility). L2-connected gateway deployments generally allow for more seamless UDG persistence compared to L3-connected deployments where the client might roam across subnet boundaries managed by different gateways.

* Re-authentication: Seamless roaming mechanisms aim to minimize full re-authentications during roaming events.

* Analysis of Options:

* A: Full re-authentication after re-association on L3-connected gateways might occur in some scenarios but contradicts the goal of seamless roaming.

* B: States the UDG remains fixed on L2-connected but not on L3-connected gateways. This aligns with the architectural differences in handling mobility across L2 vs L3 boundaries within a cluster.

* C: Incorrect. CoA is generally sent to the RADIUS client/proxy (the Gateway Cluster), not always directly to the APs.

* D: Correct. Gateways commonly act as a RADIUS proxy, while the AP remains the authenticator handling EAPoL with the client.

* E: Incorrect. The RADIUS proxy function is not limited to only Tunnel and Bridged modes.

* Conclusion: Options B and D accurately describe common characteristics of 802.1X operation within an AOS-10 Gateway Cluster architecture.

References: Aruba AOS-10 documentation (Gateway Clusters, User-Based Tunneling, 802.1X/RADIUS interaction, L2/L3 Mobility). This relates to "Authentication/Authorization" (9%), "Connectivity" (9%), and "WLAN" (9%) objectives.

NEW QUESTION # 15

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