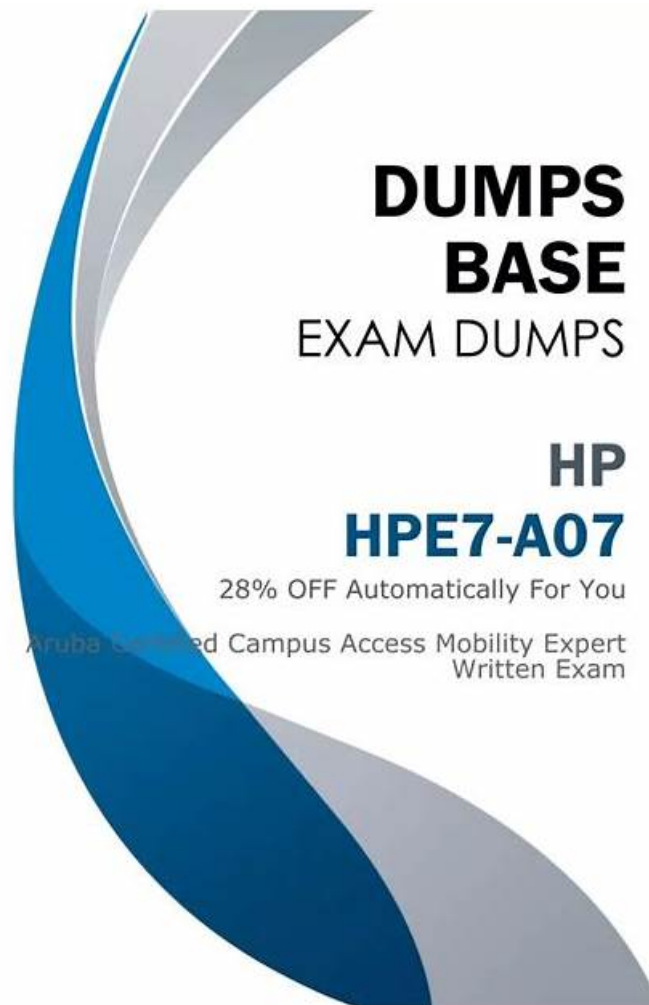


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HP HPE7-A07 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Switching: Senior HP RF network engineers must demonstrate proficiency in implementing and troubleshooting Layer 2• 3 switching, including broadcast domains and interconnection technologies. This ensures seamless and efficient data flow across network segments.

Topic 2	<ul style="list-style-type: none"> • Troubleshooting: This topic of the HP HPE7-A07 exam assesses skills of a senior HP RF network engineer in troubleshooting. It also assesses the ability to remediate issues in campus networks. It is vital for ensuring network reliability and minimizing downtime in critical environments.
Topic 3	<ul style="list-style-type: none"> • Connectivity: The topic covers developing configurations, applying advanced networking technologies, and identifying design flaws. It tests the skills of a senior HP RF network engineer in creating reliable, high-performing networks tailored to specific customer needs.
Topic 4	<ul style="list-style-type: none"> • Authentication • Authorization: Senior HP RF network engineers are tested on their skills in designing and troubleshooting AAA configurations, including ClearPass integration. This ensures that network access is securely managed according to the customer's requirements.
Topic 5	<ul style="list-style-type: none"> • Routing: This Aruba Certified Campus Access Mobility Expert Written exam section measures the ability to design and troubleshoot routing topologies and functions, ensuring that data efficiently navigates through complex networks, a key skill for HP solutions architects.

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HP Aruba Certified Campus Access Mobility Expert Written Exam Sample Questions (Q56-Q61):

NEW QUESTION # 56

In a campus topology using VSX with two aggregation switches and downlinks to access switches, which LAG interface configuration at the aggregation layer is correct based on the parameters below?

* ZTP VLAN 1001

* access switch MGMT VLAN 2002

* access switch MGMT VLAN is tagged

* connectivity to the access switch should be maintained before and after the ZTP operation is complete

- A.

```
interface lag 150 multi-chassis
no shutdown
description ZTP2ACCESS_SW
no routing
vlan trunk native 2002
vlan trunk allowed 1001,2002
lacp mode active
lacp fallback
```
- B.

```
interface lag 150 multi-chassis
no shutdown
description ZTP2ACCESS_SW
no routing
vlan trunk native 1001
vlan trunk allowed all
lacp mode passive
```
- C.

```
interface lag 150 multi-chassis
no shutdown
description ZTP2ACCESS_SW
no routing
vlan trunk native 1001
vlan trunk allowed all
lacp mode active
lacp fallback
```
- D.

```
interface lag 150
no shutdown
description ZTP2ACCESS_SW
no routing
vlan trunk native 1001
vlan trunk allowed 1001,2002
lacp mode active
lacp fallback
```

Answer: A

NEW QUESTION # 57

You are troubleshooting a WLAN deployment with APs and gateways set up with an 802.1X tunneled SSID.

End-users are complaining that they can't connect to the enterprise SSID. Which possible AP tunnel states could be the cause of the issue? (Select two.)

- A. SM_STATE_REKEYING
- B. SM_STATE_CONNECTED
- C. SM_STATE_SURVIVED
- **D. SM_STATE_SURVIVING**
- **E. SM_STATE_CONNECTING**

Answer: D,E

Explanation:

Comprehensive and Detailed Explanation From Exact Extract of HPE Aruba Networking Switching:

In Aruba gateway/AP tunnel state reporting, the following tunnel state semantics apply:

* SM_STATE_CONNECTING - indicates the AP has received tunnel configuration/keys and is attempting to bring up the tunnel; the tunnel is not yet available for client traffic.

* SM_STATE_SURVIVING - indicates the AP is in a survival/fallback condition (for example, it did not receive a fresh tunnel key and is attempting resolution via IKE); this state reflects a problem condition that can prevent successful client connectivity.

By contrast:

* SM_STATE_CONNECTED - indicates the IPsec tunnel to the endpoint is established and available.

* SM_STATE_REKEYING - indicates a rekey operation is in progress; the session is being updated, not necessarily failed.

* SM_STATE_SURVIVED - indicates the AP completed survival procedures and the IPsec tunnel is available.

Because end-users cannot connect, the problematic states are those where the tunnel is not up in normal service:

SM_STATE_CONNECTING and SM_STATE_SURVIVING.

References: * ArubaOS/ArubaOS 10 Gateway and AP Tunnel State Descriptions; Command Reference for tunnel endpoint status and state-machine definitions (section describing CONNECTING, SURVIVING, SURVIVED, CONNECTED, and REKEYING states). * Aruba Campus WLAN Design and Operations Guide; Troubleshooting AP-to-Gateway IPsec Tunnel States (tunnel state meanings and client impact).

NEW QUESTION # 58

A BGP routing table contains multiple routes to the same destination prefix.

Referring to the table below, which route would be marked with a ">" symbol?

Route	Distance	Metric	Origin Code	Local Preference
A		200	i	0
B		0	?	100
C		20	?	0
D	200	0		100
E	20	0	i	100

- **A. E**
- B. D
- C. C
- D. B
- E. A

Answer: A

Explanation:

The Aruba AOS-CX BGP Best Path Selection Process determines which route becomes the active (>) route in the BGP routing table.

This process is consistent with RFC 4271 but detailed in HPE's Aruba AOS-CX Routing Guide and ACSP Study Guide - BGP and Dynamic Routing.

Extract 1 - BGP Path Selection Hierarchy (Aruba AOS-CX Routing Guide)

"When multiple BGP routes exist to the same destination, the router uses the following decision sequence to select the best path:

* Highest LOCAL_PREFERENCE

- * Lowest AS_PATH length
- * Lowest ORIGIN type (IGP 'i' preferred over EGP 'e', preferred over Incomplete '?')
- * Lowest MULTI_EXIT_DISC (MED) if received from the same AS
- * Lowest IGP cost to the next hop (closest exit)
- * Lowest BGP router ID as tie-breaker."

Extract 2 - Aruba Certified Switching Professional (ACSP) Study Guide - BGP Path Decision

"Local Preference is the first and most significant criterion within a single AS.

A higher Local Preference value indicates a preferred exit.

If multiple routes have equal Local Preference, the router compares their Origin Codes.

An Origin Code of 'i' (IGP) is preferred over '?' (Incomplete).

If still tied, the route with the lowest IGP cost to the next-hop is chosen as best." Step-by-Step Application to the Table Step 1 - Local Preference

* Routes B, D, and E have Local Preference = 100

* Routes A and C have Local Preference = 0

Routes A and C are eliminated.

Remaining candidates: B, D, E

Step 2 - Origin Code

* D and E: Origin Code = i (IGP) # Preferred

* B: Origin Code = ? (Incomplete) # Less preferred

Eliminate B

Remaining candidates: D, E

Step 3 - MED / Metric

Both D and E have Metric = 0 # Still tied

Step 4 - IGP Cost / Administrative Distance

* D: Distance = 200

* E: Distance = 20

According to ArubaOS-CX:

"When all BGP attributes are equal, the route with the lowest internal cost (shortest IGP distance) to the next-hop is selected."

E wins because it has a lower distance (20 < 200)

Extract 3 - ArubaOS-CX Routing Reference

"The route that wins the selection process is marked with a '>' symbol in the routing table.

This route is installed in the forwarding table and used for traffic forwarding." Final Explanation

* Route E has:

* Highest Local Preference (100)

* Best Origin (IGP 'i')

* Lowest IGP distance (20)

Hence, Route E is selected as the best path, and the ">" symbol is placed beside it in the BGP routing table.

Final Verified answer: E

Official Aruba Documentation References:

* Aruba AOS-CX Routing Guide - Section: BGP Best Path Selection Criteria

* Aruba Certified Switching Professional (ACSP) Study Guide - Module: BGP and Path Selection Logic

* Aruba AOS-CX Configuration and Management Guide - Command: show ip bgp summary / route selection

NEW QUESTION # 59

You deployed UBT to securely tunnel traffic from user desktop PCs connected behind VoIP phones. All other non-UBT devices are connected to a different network. After the deployment, users reported interruptions to their phone service.

- A. The VLAN on which UBT clients are placed is not configured on the switch uplink and traffic from the VoIP phones is being dropped.
- B. Broadcast/multicast packets are copied to both the tunnel and locally, causing duplicate packets and network instability.
- C. The UBT client broadcast/multicast packets returned to the same switch port and corrupted the phones IMC table.
- D. You failed to correctly configure a user-defined VRF to support the UBT clients behind the VoIP phones, causing traffic to drop.

Answer: A

Explanation:

If users report interruptions to their phone service after the deployment of User-Based Tunneling (UBT), it can be due to the VLAN designated for UBT clients not being configured on the switch uplink. As a result, traffic from VoIP phones, which may be trying to use the same VLAN, could be dropped, leading to service interruptions. Ensuring that the VLAN is properly configured on the

switch uplink is crucial for the seamless operation of UBT clients and VoIP services.

NEW QUESTION # 60

Throughput	1,905 Mpps	2,000 Mpps	2,607 Mpps	up to 7.142 Bpps
Switching Capacity	2.5 Tbps	6.4Tbs	4.8Tbs	up to 19.20 Tbps
Routing Table Size	131,072 entries (IPv4), 32,732 entries (IPv6)	131,072 entries (IPv4), 32,732 entries (IPv6)	606,977 entries (IPv4), 630,784 entries (IPv6)	1,011,712 entries (IPv4), 524,288 entries (IPv6)
MAC Address Table Size	96K	98,304	212,992	768,000 entries
MACsec Capable Hardware	No	No	On first 4 ports + last 2x40/100G ports	JL363A (32x10G SFP+)
MACsec Software Support	No	No	Yes	No
MACsec with EAP-TLS	No	No	On first 4 ports + last 2x40/100G ports	No
MACsec Capable Uplink Ports	No	No	No	No

The ACME company has CX 8320 switches at the Services-Aggregation layer and CX 6200 switches at the Wired Access Layer. WiFi WLANs are deployed in an L2 model. After implementing IPv6 for wireless clients alongside IPv4, connectivity problems have increased.

What is the most efficient step to resolve this problem?

- A. Replace the CX 8320 with CX 8360 switches
- B. Replace the CX 8320 with CX 8325 switches
- C. Migrate to the GW supercluster with two service aggregation layers
- D. Change the CX 8320 profile from L3-Agg to L3-Core

Answer: A

Explanation:

The CX 8320 has significantly smaller control-plane scale for route tables-especially IPv6-compared to newer CX platforms. When dual-stacking WLAN clients (adding IPv6 alongside IPv4), the number of routes /neighbor entries increases markedly. HPE Aruba platform guidance shows:

* CX 8320/CX 8325 class: ~131K IPv4 and ~32K IPv6 routes.

References: HPE Aruba CX Platform Data-routing table scale by platform (8320 vs 8360); AOS-CX deployment guidance on dual-stack scale at aggregation.

NEW QUESTION # 61

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