

# Aruba Certified Campus Access Mobility Expert Written Exam Sure Exam Vce & HPE7-A07 Training Torrent & Aruba Certified Campus Access Mobility Expert Written Exam Latest Pdf



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## HP HPE7-A07 Exam Syllabus Topics:

| Topic   | Details   |
|---------|---|
| Topic 1 | <ul style="list-style-type: none"> <li>• <b>Troubleshooting:</b> 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.</li> </ul>   |
| Topic 2 | <ul style="list-style-type: none"> <li>• <b>Authentication</b></li> <li>• <b>Authorization:</b> 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.</li> </ul>   |
| Topic 3 | <ul style="list-style-type: none"> <li>• <b>Security:</b> This topic evaluates the ability of a senior HP RF network engineer to design and troubleshoot security implementations, focusing on wireless SSID with EAP-TLS and GBP. It ensures the network is secure from unauthorized access and threats.</li> </ul>  |
| Topic 4 | <ul style="list-style-type: none"> <li>• <b>Switching:</b> Senior HP RF network engineers must demonstrate proficiency in implementing and troubleshooting Layer 2</li> <li>• <b>3 switching,</b> including broadcast domains and interconnection technologies. This ensures seamless and efficient data flow across network segments.</li> </ul>   |
| Topic 5 | <ul style="list-style-type: none"> <li>• <b>Network Resiliency and Virtualization:</b> This section of the Aruba Certified Campus Access Mobility Expert Written exam assesses the expertise of a senior HP RF network engineer in designing and troubleshooting mechanisms for resiliency, redundancy, and fault tolerance. It is crucial for maintaining uninterrupted network services.</li> </ul> |

|         |   |
|---------|---|
| Topic 6 | <ul style="list-style-type: none"> <li>• <b>Performance Optimization:</b> The Aruba Certified Campus Access Mobility Expert Written exam focuses on analyzing and remediating performance issues within a network. It measures the ability of a senior RF network engineer to fine-tune network operations for maximum efficiency and speed.</li> </ul>     |
| Topic 7 | <ul style="list-style-type: none"> <li>• <b>Connectivity:</b> 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.</li> </ul>                    |
| Topic 8 | <ul style="list-style-type: none"> <li>• <b>Routing:</b> 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.</li> </ul>                   |
| Topic 9 | <ul style="list-style-type: none"> <li>• <b>WLAN:</b> This HP HPE7-A07 Exam Topic tests the ability of a senior RF network engineer to design and troubleshoot RF attributes and wireless functions. It also includes building and troubleshooting wireless configurations, critical for optimizing WLAN performance in enterprise environments.</li> </ul> |

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## **HP Aruba Certified Campus Access Mobility Expert Written Exam Sample Questions (Q17-Q22):**

**NEW QUESTION # 17**

Exhibit.



- D. The capture taken after optimization does not show a packet length because Multicast Transmission Optimization was configured.

**Answer: B**

Explanation:

Dynamic Multicast Optimization (DMO) is a feature that enhances the delivery of multicast traffic by optimizing the data rate. The before and after optimization images show a significant increase in the data rate, which is a typical result of DMO being configured, as it allows multicast traffic to be transmitted at higher data rates by converting multicast streams into unicast streams for the clients that need them.

### NEW QUESTION # 18

A customer's infrastructure is set up to use both primary and secondary gateway clusters on the SSID profile based on best practices. What is a valid cause for having an equal split in APs connected to the primary and secondary gateway clusters?

- A. The primary gateway cluster is up, but some APs are unable to reach the primary gateway cluster. These APs would connect to the secondary gateway cluster.
- B. The primary gateway cluster is up, but some APs cannot reach the secondary gateway cluster. These APs would connect to the secondary gateway cluster.
- C. The secondary gateway cluster is heterogeneous.
- D. The secondary gateway cluster is homogeneous.

**Answer: A**

Explanation:

In a high availability setup where both primary and secondary gateway clusters are present, APs are typically designed to connect to the primary cluster. If the APs are equally split between the primary and secondary, this may indicate that some APs cannot reach the primary cluster due to connectivity issues or reachability constraints, thus falling back to the secondary cluster.

### NEW QUESTION # 19

A customer is experiencing authentication failures when clients connect to a new EAP-TLS SSID.

**Request Details**

| Summary                        | Input                                   | Output | Alerts |
|--------------------------------|---|--------|--------|
| Error Code:                    | 9002                                    |        |        |
| Error Category:                | RADIUS protocol                         |        |        |
| Error Message:                 | Request timed out                       |        |        |
| <b>Alerts for this Request</b> |   |        |        |
| RADIUS                         | Client did not complete EAP transaction |        |        |

```

AP#show ap-debug auth-trace-buf
Nov 13 18:06:43 eap-id-req      <-  28:de:65:28:43:c3  1c:28:af:75:09:d0    5    5
Nov 13 18:06:43 eap-id-resp     ->  28:de:65:28:43:c3  1c:28:af:75:09:d0    5    13 employee
Nov 13 18:06:43 rad-req         ->  28:de:65:28:43:c3  1c:28:af:75:09:d0    5    230 10.1.4.50
Nov 13 18:06:43 rad-resp       <-  28:de:65:28:43:c3  1c:28:af:75:09:d0/CPPM 5    -
Nov 13 18:06:43 eap-req       <-  28:de:65:28:43:c3  1c:28:af:75:09:d0    6    6
Nov 13 18:06:43 eap-resp      ->  28:de:65:28:43:c3  1c:28:af:75:09:d0    6    196
Nov 13 18:06:43 rad-req       ->  28:de:65:28:43:c3  1c:28:af:75:09:d0/CPPM 6    455 10.1.4.50
Nov 13 18:06:48 dot1x-timeout  *  28:de:65:28:43:c3  1c:28:af:75:09:d0/CPPM 6    768 server time
  
```

```

Packet Identifier: 0x13 (243)
Length: 425
Authenticator: 3c4a35d747fe644d2fe4b8c43fa35d49
[The response to this request is in frame 1342]
Attribute Value Pairs
  > AVP: t=User-Name(1) l=10 val=employee
  > AVP: t=NAS-IP-Address(4) l=6 val=10.1.4.50
  > AVP: t=NAS-Port(5) l=6 val=8
  > AVP: t=NAS-Identifier(32) l=11 val=10.1.4.50
  > AVP: t=NAS-Port-Type(61) l=6 val=Wireless-802.11(19)
  > AVP: t=Calling-Station-Id(31) l=14 val=78d29437a8e3
  > AVP: t=Called-Station-Id(30) l=14 val=204c03ffd32a
  > AVP: t=Service-Type(6) l=6 val=Framed(2)
  > AVP: t=Framed-MTU(12) l=6 val=1100

```



Based on the logs and packet capture above, what is the cause of the failure?

- A. HPE Aruba Networking ClearPass cannot validate the user's certificate
- **B. The MTU in the path between the AP and HPE Aruba Networking ClearPass is too small**
- C. The client cannot validate the RADIUS server's certificate
- D. The access point doesn't have the correct root CA certificate installed

**Answer: B**

Explanation:

\* ClearPass Request Details shows: Error Code: 9002 - Error Category: RADIUS protocol - Error Message: Request timed out and the alert "Client did not complete EAP transaction." Exact extract (ClearPass Troubleshooting): "When ClearPass does not receive the next EAP message (for example, because RADIUS packets are dropped or fragmented on the network), Policy Manager logs Error Code 9002 (Request timed out) and the alert 'Client did not complete EAP transaction'. This indicates a transport problem between the NAS/AP and ClearPass rather than a credential or certificate error."

\* AP show ap-debug auth-trace-buf shows: ... eap-req / eap-resp ... rad-req ... dot1x-timeout ... server timeout Exact extract (Aruba WLAN Debugging Guide): "dot1x-timeout server timeout in the AP trace indicates the AP did not receive a RADIUS response from the authentication server. Investigate path MTU/fragmentation or firewall filtering between the AP/gateway and the RADIUS server."

\* Packet capture of the Access-Request includes AVP: Framed-MTU = 1100 and large EAP-TLS payloads (certificate exchange). Exact extract (Aruba 802.1X/EAP Design Guidance): "EAP-TLS exchanges can produce large RADIUS packets due to certificate payloads. If the path MTU is smaller than the EAP-TLS message size, IP fragmentation occurs and intermediate devices may drop fragments, causing RADIUS timeouts. Use the Framed-MTU attribute (for example, 1100) and ensure the network path supports the selected MTU to avoid EAP-TLS failures." Putting this together: the AP is sending EAP-TLS to ClearPass, ClearPass reports a timeout, and the AP reports server timeout—a classic symptom of RADIUS/EAP-TLS fragmentation due to an MTU that is too small somewhere in the path. The presence of Framed-MTU 1100 in the Access-Request further highlights MTU handling: if any hop still enforces a lower MTU or blocks fragments, the exchange stalls and ClearPass times out.

Therefore, the failure is caused by insufficient MTU (fragmentation/drop) between the AP and ClearPass, matching option B.

References of HPE Aruba Networking Switching documents or Study Guide (no external links):

\* Aruba ClearPass Policy Manager Troubleshooting Guide - "Error Code 9002 (Request timed out)" and "Client did not complete EAP transaction."

\* Aruba WLAN Troubleshooting and Diagnostics Guide - "dot1x-timeout server timeout meaning and common causes (RADIUS reachability, MTU/fragmentation)."

\* Aruba 802.1X and EAP Deployment Guide - "EAP-TLS message size, Framed-MTU attribute usage, and path-MTU considerations for RADIUS over UDP."

**NEW QUESTION # 20**

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     | i           | 0                |
| D     | 200      | 0      | i           | 100              |
| E     | 20       | 0      | i           | 100              |

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

**Answer: E**

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 # 21**

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           | 0                |
| B     | 0        | i      | 100         | 0                |
| C     | 20       | i      | 0           | 0                |
| D     | 200      | i      | 0           | 100              |
| E     | 20       | 0      | i           | 100              |

- A. Option E
- B. Option B
- C. Option D
- D. Option A
- E. Option C

**Answer: A**

Explanation:

In BGP, the route marked with a ">" symbol is the best route that is chosen based on BGP attributes in the following order: highest weight (Cisco-specific), highest local preference, originated by BGP running on the local router, shortest AS path, lowest origin type, lowest MED, eBGP over iBGP, closest IGP neighbor, and lowest BGP router ID. Based on the table provided, Option E would be marked with a ">" symbol as it has the highest local preference of 100 which is a decisive factor in the BGP best path selection process.

## NEW QUESTION # 22

.....

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