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HP Aruba Certified Network Security Professional - HPE7-A02 Free Exam Questions

QUESTION NO: 21
A company issues user certificates to domain computers using its Windows CA and the default user certificate template. You have set up HPE Aruba Networking ClearPass Policy Manager (CPM) to authenticate 802.1X clients with those certificates. However, during tests, you receive an error that authorization has failed because the usernames do not exist in the authentication source.
What is one way to fix this issue and enable clients to successfully authenticate with certificates?

☐ A. Configure rules to strip the domain name from the username.
☐ B. Change the authentication method list to include both PEAP MSCHAPv2 and EAP-TLS.
☐ C. Add the ClearPass Onboard local repository to the authentication source list.
☐ D. Remove EAP-TLS from the authentication method list and add TEAP there instead.

Hide answers/explanation Discussion

Correct Answer: A

To fix the issue where authorization fails because the usernames do not exist in the authentication source, you can configure rules in HPE Aruba Networking ClearPass Policy Manager (CPM) to strip the domain name from the username. When certificates are issued by a Windows CA, the username in the certificate often includes the domain (e.g., user@domain.com). ClearPass might not be able to find this format in the authentication source. By stripping the domain name, you ensure that ClearPass searches for just the username (e.g., user) in the authentication source, allowing successful authentication.

QUESTION NO: 22
You are deploying a virtual Data Collector for use with HPE Aruba Networking ClearPass Device Insight (CPDI). You have identified VLAN 101 in the data center as the VLAN to which the Data Collector should connect to receive its IP address and connect to HPE Aruba Networking Central.
Which Data Collector virtual ports should you tell the virtual admins to connect to VLAN 101?

☐ A. The one with the lowest MAC address
☐ B. The one with the highest port ID
☐ C. The one with the highest MAC address
☐ D. The one with the lowest port ID

Hide answers/explanation Discussion

Correct Answer: D

When deploying a virtual Data Collector for HPE Aruba Networking ClearPass Device Insight (CPDI), it is essential to ensure that the correct virtual port is connected to the designated VLAN. In this case, VLAN 101 is used to receive the IP address and connect to Aruba Central. The best practice is to use the virtual port with the lowest port ID. This is typically the primary port used for management and network connectivity in virtual environments, ensuring proper network integration and communication.

QUESTION NO: 23
You need to set up an HPE Aruba Networking VWA solution for a customer who needs to support 2100 remote employees. The customer has downloaded their VWA connection profile from the VPKC. Only employees who authenticate with their domain credentials to HPE Aruba Net Manager (CPM) should be able to download the profile. (A RADIUS server group for CPM is already set up on the VPKC.) How do you configure the VPKC to enforce that requirement?

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HP Aruba Certified Network Security Professional Exam Sample Questions (Q52-Q57):

NEW QUESTION # 52

A company has HPE Aruba Networking APs running AOS-10 that connect to AOS-CX switches. The APs will:

- . Authenticate as 802.1X supplicants to HPE Aruba Networking ClearPass Policy Manager (CPPM)
- . Be assigned to the "APs" role on the switches
- . Have their traffic forwarded locally

What information do you need to help you determine the VLAN settings for the "APs" role?

- A. Whether the switches have established tunnels with an HPE Aruba Networking gateway
- B. Whether the switches are using local user-roles (LURs) or downloadable user-roles (DURs)
- C. Whether the APs have static or DHCP-assigned IP addresses
- **D. Whether the APs bridge or tunnel traffic on their SSIDs**

Answer: D

Explanation:

To determine the VLAN settings for the "APs" role on AOS-CX switches, it is crucial to know whether the APs bridge or tunnel traffic on their SSIDs. If the APs are bridging traffic, the VLAN settings on the switch need to align with the VLANs used by the SSIDs. If the APs are tunneling traffic to a controller or gateway, the VLAN settings might differ as the traffic is encapsulated and forwarded through the tunnel. Understanding this aspect ensures that the VLAN configuration on the switches correctly supports the traffic forwarding method employed by the APs.

NEW QUESTION # 53

You have configured an AOS-CX switch to implement 802.1X on edge ports. Assume ports operate in the default auth-mode. VoIP phones are assigned to the "voice" role and need to send traffic that is tagged for VLAN 12. Where should you configure VLAN 12?

- A. As a trunk allowed VLAN on edge ports and the trunk native VLAN in the "voice" role.
- B. As the trunk native VLAN on edge ports and the trunk native VLAN on the "voice" role.
- C. As the trunk native VLAN in the "voice" role (and not in the edge port settings).
- **D. As the allowed trunk VLAN in the "voice" role (and not in the edge port settings).**

Answer: D

Explanation:

* Voice Role VLAN Configuration:

* When VoIP phones are authenticated and assigned to the "voice" role, VLAN 12 should be explicitly defined as an allowed trunk VLAN within the role configuration.

* The VLAN configuration should be role-specific rather than on the edge port, as this ensures dynamic VLAN assignment based on authentication results.

* Option Analysis:

* Option A: Incorrect. Native VLANs are for untagged traffic, but VoIP traffic is tagged.

* Option B: Correct. VLAN 12 must be configured as the allowed trunk VLAN in the "voice" role to tag VoIP traffic correctly.

* Option C: Incorrect. Configuring VLAN 12 in both edge port and role settings is redundant and unnecessary.

* Option D: Incorrect. Native VLANs do not handle tagged traffic like VLAN 12 for VoIP phones.

NEW QUESTION # 54

A company has several use cases for using its AOS-CX switches' HPE Aruba Networking Network Analytics Engine (NAE).

What is one guideline to keep in mind as you plan?

- A. When you use custom scripts, you can create as many agents from each script as you want.
- **B. Each switch model has a maximum number of supported monitors, and one agent might have multiple monitors.**
- C. The switch will permit you to deploy as many NAE agents as you want, but they might degrade the switch functionality.
- D. You can install multiple scripts on a switch, but you can deploy only one agent per script.

Answer: B

Explanation:

The Network Analytics Engine (NAE) in AOS-CX switches provides intelligent monitoring, troubleshooting, and performance analysis through predefined or custom scripts. Here's an analysis of the guidelines for NAE:

A: Each switch model has a maximum number of supported monitors, and one agent might have multiple monitors.

* Correct:

* Each AOS-CX switch model has hardware and software limitations, including the number of agents and monitors it supports.

* Monitors are data collection points for tracking specific metrics like interface statistics, CPU usage, or custom-defined parameters.

* Agents are scripts that use monitors to evaluate data, trigger actions, or generate alerts.

* Since one agent can have multiple monitors, the total number of monitors might impact the scalability of agents.

B: You can install multiple scripts on a switch, but you can deploy only one agent per script.

* Incorrect:

* Multiple agents can be deployed from the same script if they monitor different parameters or have different configurations.

* The limitation is usually related to the total number of agents and monitors supported by the switch model, not the script itself.

C: The switch will permit you to deploy as many NAE agents as you want, but they might degrade the switch functionality.

* Incorrect:

* AOS-CX enforces hardware and software limits on the number of agents and monitors. These limits are designed to prevent degradation of switch performance.

* You cannot deploy an unlimited number of agents, as the system enforces these restrictions.

D: When you use custom scripts, you can create as many agents from each script as you want.

* Incorrect:

* While you can use custom scripts to create agents, the total number of agents is subject to the switch's maximum supported limits.

* The scalability of agents is still bound by hardware and software constraints, even with custom scripts.

References

* HPE Aruba AOS-CX Network Analytics Engine Configuration Guide.

* Aruba AOS-CX Switch Series Technical Specifications.

* Best Practices for NAE Deployment in AOS-CX Networks.

NEW QUESTION # 55

The following firewall rule is configured on HPE Aruba Networking Central-managed APs:

```
wlan access-rule employees
```

```
index 3
```

```
rule any any match 17 67 67 permit
```

```
rule any any match any 53 53 permit
```

```
rule 10 5 5.0 255.255 255.0 match any any deny
```

```
rule 10.5 0.0 255.255 0.0 match 6 80 80 permit
```

```
rule 10.5 0.0 255.255 0.0 match 6 443 443 permit
```

```
rule 10.5.0.0 255.255.0.0 match any any deny
```

```
rule any any match any any permit
```

A client has authenticated and been assigned to the employees role. The client has IP address 10.2.2.2. Which correctly describes behavior in this policy?

- A. Traffic from 10.5.3.3 in an active HTTPS session between 10.2.2.2 and 10.5.3.3 is permitted.
- B. Traffic from 198.51.100.12 in an active HTTP session between 10.2.2.2 and 198.51.100.12 is denied.
- **C. HTTPS traffic from 10.2.2.2 to 10.5.5.5 is denied.**
- D. HTTPS traffic from 10.2.2.2 to 203.0.113.12 is denied.

Answer: C

Explanation:

* Policy Analysis:

* Rule Evaluation Order: Rules are applied in sequential order until a match is found.

* Key Points:

* DHCP traffic (UDP 67) is permitted.

- * DNS traffic (UDP 53) is permitted.
- * Traffic to 10.5.5.0/24 is explicitly denied.
- * HTTP traffic (TCP 80) is allowed only to 10.5.0.0/16.
- * HTTPS traffic (TCP 443) is allowed only to 10.5.0.0/16.
- * All other traffic to 10.5.0.0/16 is denied.
- * Any other traffic not matching the above rules is permitted.
- * Scenario Analysis:
 - * The client IP 10.2.2.2 does not fall within the 10.5.0.0/16 subnet.
 - * Rule 3 denies traffic to 10.5.5.5, regardless of the source IP.
 - * Option A: Correct. HTTPS traffic to 10.5.5.5 is explicitly denied by Rule 3.
 - * Option B: Incorrect. Traffic to 203.0.113.12 is permitted due to the final "permit any" rule.
 - * Option C: Incorrect. The client (10.2.2.2) does not belong to the subnet 10.5.0.0/16, so traffic to 10.5.3.3 is not permitted by Rule 5.
 - * Option D: Incorrect. HTTP traffic to 198.51.100.12 is allowed by the last "permit any" rule.

NEW QUESTION # 56

An AOS-CX switch has been configured to implement UBT to two HPE Aruba Networking gateways that implement VRRP on the users' VLAN. What correctly describes how the switch tunnels UBT users' traffic to those gateways?

- A. The switch always load shares the users' traffic across both gateways.
- B. The switch always sends the users' traffic to the VRRP master.
- C. The switch always sends all users' traffic to the gateway assigned as the active device designed gateway.
- **D. The switch always sends all users' traffic to the primary gateway configured in the UBT zone.**

Answer: D

Explanation:

- * User-Based Tunneling (UBT) with VRRP:
- * UBT allows traffic from authenticated users to be tunneled to an HPE Aruba Networking gateway.
- * In the case of VRRP, where two gateways are configured for redundancy, the AOS-CX switch will always send the traffic to the primary gateway defined in the UBT zone configuration.
- * The VRRP state (master/backup) does not impact the UBT decision; the UBT primary configuration takes precedence.
- * Option Analysis:
 - * Option A: Incorrect. UBT does not strictly follow the VRRP master; it adheres to the UBT primary gateway configuration.
 - * Option B: Correct. The switch tunnels all traffic to the primary gateway configured in the UBT zone.
 - * Option C: Incorrect. UBT does not load-share traffic between gateways.
 - * Option D: Incorrect. UBT uses the primary gateway configured in the UBT zone, not dynamically determined active devices.

NEW QUESTION # 57

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