



Vendor: HP

Exam Code: HPE7-A08

Exam Name: HPE Aruba Networking Switching Professional

Version: DEMO

QUESTION 1

An HPE Aruba Networking CX switch is configured with IGMP using the given output:

```
show ip igmp interface vlan 2222

IGMP Configured Version : 2
IGMP Operating Version : 2
Querier State : Querier
Querier IP [this switch] : 10.216.12.1
Querier Uptime : 259d 1h 49
Querier Expiration Time : 1m 49s
IGMP Snoop Enabled on VLAN : True
```

Active Group Address	Vers	Mode	Uptime	Expires
239.192.43.93	2		10d 13h 3m 4m 3s	
239.192.43.94	2		10d 13h 3m 4m 8s	
239.192.43.95	2		10d 13h 3m 4m 8s	
239.192.43.96	2		10d 13h 3m 4m 11s	
239.192.43.97	2		10d 13h 3m 4m 12s	
239.192.43.98	2		10d 13h 3m 4m 11s	
239.192.43.99	2		10d 13h 3m 4m 9s	
239.192.43.101	2		10d 13h 3m 4m 6s	
239.192.45.185	2		10d 13h 3m 4m 6s	
239.192.45.186	2		10d 13h 3m 4m 6s	

Which statement is true about the possible supported message types?

- A. Leave and Report
- B. Join, Leave, Query and Report
- C. Query and Report
- D. Join and Query

Answer: A

Explanation:

The interface is operating with IGMP version 2. IGMPv2 supports membership Report messages (used for joins) and also adds explicit Leave messages, while "Join" is not defined as a separate IGMP message type. Therefore, the valid possible message types highlighted here are Leave and Report.

QUESTION 2

You are configuring OSPF between two CX switches but cannot see any neighbors. Based on the output, how would you fix the problem?

```
router ospf 1
router-id 10.100.255.101
max-metric router-lsa on-startup
passive-interface default
area 0
default-information originate

interface vlan182
description TRANSIT
ip address 10.100.102.1/29
ip ospf 1 area 0
ip ospf cost 100
ip ospf network point-to-point
```

```
Agg-1# show ip ospf neighbors
OSPF Process ID 1 VRF default
=====
```

Total Number of Neighbors: 0

Neighbor ID	Priority	State	Nbr Address	Interface
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- A. Remove the max-metric router-lsa on-startup to allow faster formation of adjacency.
- B. Configure ip ospf network broadcast on the VLAN 182 interface.
- C. Configure no ip ospf cost 100 on the VLAN 182 interface.
- D. Configure no passive-interface vlan182 on the switch.

Answer: D

QUESTION 3

What are valid NAE agent actions? (Select two)

- A. Generate an SNMP trap.
- B. Set critical alarm level.
- C. Start/stop a packet capture.
- D. Create a new TAC case.
- E. Log to a remote syslog server.

Answer: AC

Explanation:

NAE agents can take automated actions such as generating SNMP traps and starting or stopping packet captures. These are built-in, supported actions within the CX automation and analytics framework.

QUESTION 4

Refer to the partial exhibit from an HPE Aruba Networking CX 8325:

```
show profiles available
```

Available Profiles

Profile	L2 entries	L3 entries	Host entries	Route entries
L3-agg	98304	120000	16384	163796
L3-core	32768	14000	163796	163796
Leaf	98304	120000	16384	163796
Spine	32768	14000	163796	163796

If a new CX 8325 is to be deployed, which switch profile should be used to provide gateway and routing services?

- A. The L3-agg profile should be selected instead of the factory default.
- B. Spine profile should be selected instead of the factory default.
- C. L3-core profile should be used, which is the factory default.
- D. Leaf profile should be used, which is the factory default.

Answer: C

Explanation:

The CX 8325 factory-default profile is L3-core, which is designed for routing and gateway functionality. It provides the required routing scale and host entry capacity for use as a gateway in a campus or data center design.

QUESTION 5

You have attempted to configure DHCP snooping, but it is not working as expected. Based on the output below, what do you need to configure?

```
Access-1# show dhcpv4-snooping binding
```

MacAddress	IP	VLAN	Interface	Time-Left

```
Access-1#show dhcpv4-snooping
```

DHCPv4-Snooping Information

DHCPv4-Snooping	: No	Verify MAC Address	: Yes
Allow Overwrite Binding	: No	Enabled VLANs	: 100
Static Attributes	: No		
Client Event Logs	: No		

Authorized Server Configurations

VRF	Authorized Servers
default	10.32.100.1

Port Information

Port	Trust	Max Bindings	Static Bindings	Dynamic Bindings
1/1/24	Yes	0	0	0

- A. Configure an authorized DHCP server
- B. Configure a DHCP trusted interface

- C. Enable dhcpv4-snooping on VLAN 100
- D. Enable dhcpv4-snooping globally

Answer: D

Explanation:

The switch shows the VLAN and authorized server are configured, but DHCP snooping is not enabled to build and maintain the snooping binding table. Enabling DHCPv4 snooping globally allows the switch to start learning and enforcing DHCP snooping bindings.

QUESTION 6

How do HPE Aruba Networking CX VSX solutions make the hardware replacement of a single switch a non-disruptive operation for L3 configurations??

- A. By the VSX-sync option for synchronization of the system-MAC.
- B. By replicating the primary VSX's default system-AC to the secondary switch.
- C. By utilizing any of the 16 different vMAC addresses with active gateway.
- D. By allowing changes to the system-MAC in the ServiceOS with the original system MAC.

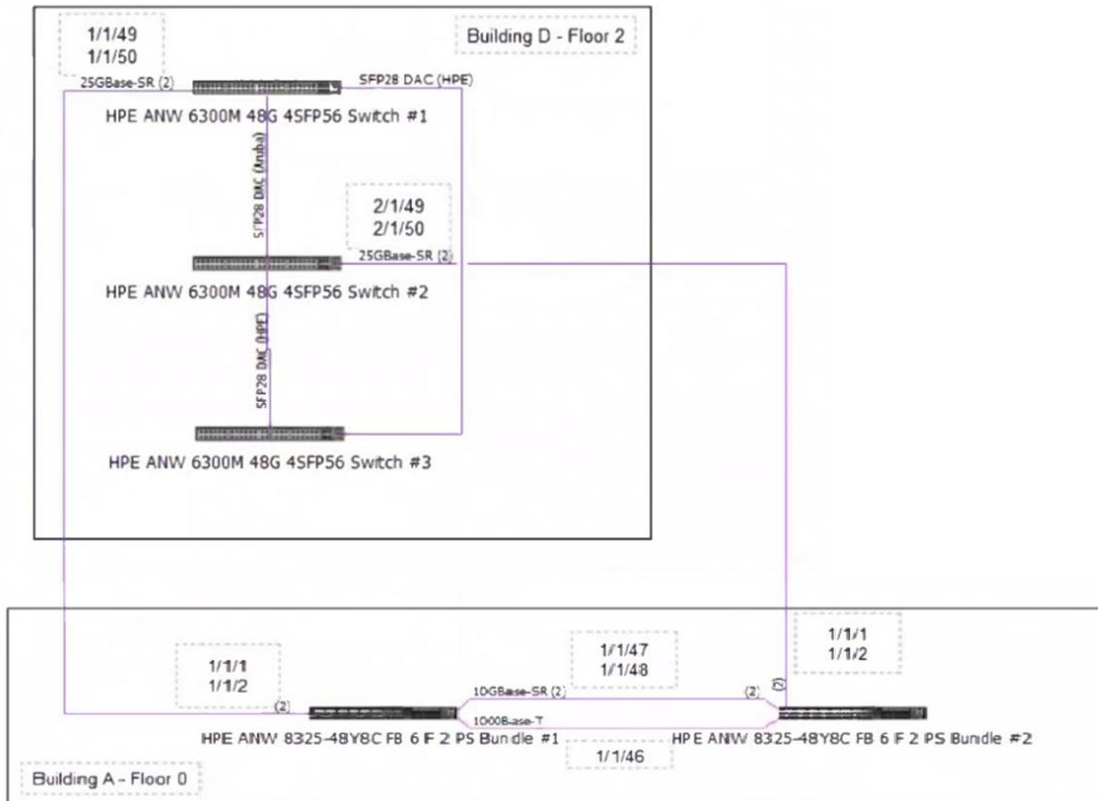
Answer: A

Explanation:

The VSX-sync feature synchronizes the system MAC between the primary and secondary VSX switches, ensuring that L3 configurations remain valid and uninterrupted during a single switch replacement.

QUESTION 7

Refer to the exhibit:



According to the HPE Aruba Networking VSX best practices, what would need to be changed on the configuration?

- A. Replace the CX8325 1/1/47 and 1/1/48 ports with SFP28 connectivity.
- B. Replace the CX8325 1/1/47 and 1/1/48 ports with SFP56 connectivity.
- C. Replace the CX6300[1-2]/1/49 and [1-2]/1/50 ports with QSFP28 connectivity.
- D. Replace the CX6300 [1-2]/1/49 and [1-2]/1/50 ports with SFP56 connectivity.

Answer: A

Explanation:

In the design, the CX6300 switches use 25G SFP28 uplinks, while the VSX core (CX8325) uses 10G SFP+ ports (1/1/47 and 1/1/48). VSX best practices recommend matching link speeds and using higher-bandwidth uplinks (25G in this case) between access and core. Therefore, the CX8325 uplink ports should be replaced with 25G SFP28 connectivity.

QUESTION 8

You are troubleshooting a complex routing issue after a recent change. Your customer has just called and reported that the issue now impacts all users. What should you do next?

- A. Restore the last-known working configuration.
- B. Ask the customer to send logs from each user.
- C. Explain to the customer what the issue is.
- D. Collect a show tech and log a case with TAC.

Answer: A

Explanation:

Restoring the last-known working configuration immediately mitigates the impact on all users, providing a stable network state while you continue troubleshooting the root cause.

QUESTION 9

Your customer is a large hotel that would like to use a single VLAN per floor and isolate each room's wired network from the others. Which CX switch feature should you recommend for the simplest solution?

- A. VPN
- B. UBT
- C. PVLAN
- D. VXLAN

Answer: C

Explanation:

Private VLANs (PVLANs) allow devices within the same primary VLAN to be isolated from each other while still communicating with shared resources like the default gateway, providing simple per-room isolation.

QUESTION 10

You are planning a 10 Gbps link between two CX switches. Which type of SFP port will be required?

- A. SFP28
- B. SFP+
- C. SFP
- D. QSFP+

Answer: B

Explanation:

A 10 Gbps link requires an SFP+ transceiver.
SFP28 supports 25 Gbps
SFP supports 1 Gbps
QSFP+ supports 40 Gbps

QUESTION 11

Which two configuration tasks must be performed when creating a device profile for an AP? (Select two.)

- A. Associate a role
- B. Associate a QoS policy
- C. Associate an LLDP group
- D. Associate a VLAN
- E. Associate an ACL

Answer: AD

Explanation:

When creating a device profile for an AP, you must associate a role to define its function and a VLAN to assign it to the correct network segment, ensuring proper traffic handling and policy

enforcement.

QUESTION 12

You want to set up NAE to monitor BGP neighbor state changes and create a helpdesk ticket whenever they occur. Which NAE action can you configure to accomplish this?

- A. Execute shell command
- B. Send email
- C. Generate system log
- D. REST API call

Answer: D

Explanation:

Configuring a REST API call in NAE allows automatic creation of a helpdesk ticket when a BGP neighbor state change is detected, enabling seamless integration with ticketing systems.

QUESTION 13

You are reviewing the configuration of a VSX lag and have noticed the command `lacp fallback`. Why might this have been configured?

- A. For operation using a single partner LACP interface.
- B. For backward compatibility with LACP v1.
- C. To support devices that require PXE Boot.
- D. To allow operation with active or passive LACP.

Answer: C

Explanation:

`lacp fallback` is used so that a port can forward traffic even before LACP negotiation completes, which is required for devices that need immediate network access during PXE boot (before their NIC brings up LACP).

QUESTION 14

Your customer has an existing gateway cluster that they are using to tunnel traffic from APs and would like to configure the same for their CX switches. Which tunneling option should you recommend?

- A. UBT
- B. IPSec
- C. GRE
- D. VNBT

Answer: A

Explanation:

To tunnel wired traffic from Aruba CX switches to an existing Aruba Gateway cluster, the correct feature is UBT (User-Based Tunneling).

UBT uses the same tunneling framework as APs (IPsec-based GRE tunnels) and fully integrates with ClearPass for role assignment and policy enforcement.

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