



HP

Exam Questions HPE7-A08

HPE Network Switching Professional Exam

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NEW QUESTION 1

In an attempt to clear the switch configuration, you've issued the command erase all zeroize. What is the result of this task?

- A. The switch clears all user credentials and retains the running configuration.
- B. The switch restores the factory-installed AOS-CX image to the switch.
- C. The switch runs a secure erase task, deleting the startup-config, and retains admin credential password.
- D. The switch runs a secure erase task, deleting all customer data, and may run up to an hour.

Answer: D

NEW QUESTION 2

Your customer's CISO would like to deploy colorless ports across the network. Which will you need to configure to meet this requirement?

- A. Port-security
- B. MAC Auth
- C. Sticky MAC
- D. Virtual MAC

Answer: B

NEW QUESTION 3

Refer to the exhibit:

Access-1# show checkpoint					
NAME	TYPE	WRITER	DATE[YYYY/MM/DD]	IMAGE VERSION	
Lab2.final	latest	User	2024-04-01T20:18:56Z	FL.10.13.1000	
startup-config	startup	User	2024-04-01T20:11:21Z	FL.10.13.1000	
CPC20240401194222.Access-1.6300	checkpoint	System	2024-04-01T19:42:22Z	FL.10.13.1000	
CPC20240401191802.Access-1.6300	checkpoint	System	2024-04-01T19:18:02Z	FL.10.13.1000	
CPC20240401190614.Access-1.6300	checkpoint	System	2024-04-01T19:06:14Z	FL.10.13.1000	
CPC20240401183236.Access-1.6300	checkpoint	System	2024-04-01T18:32:36Z	FL.10.13.1000	

The current startup configuration on the HPE Aruba Networking CX 6300 switch no longer includes a device profile that was created on the previous day. Based on the exhibit, how can you validate if the configuration was removed without changing the current configuration?

- A. Use show checkpoint to see the changes created between the available checkpoints.
- B. Use checkpoint diff to check for differences between the startup-config and available checkpoints.
- C. Use copy startup-config checkpoint <checkpoint-name> to see the changes created between the available checkpoints.
- D. Use checkpoint rollback to see the changes created between the available checkpoints.

Answer: B

NEW QUESTION 4

Based on the given output from an HPE Aruba Networking CX 6300:

show route-map BGP-EXPORT	
Route-map: BGP-EXPORT	
Seq 10, permit,	
Match :	
ip prefix-list	: bgp-export
Set :	
as-path prepend	: 65345 65345 65345
Seq 100, permit,	
Match :	
aspath-list	: bgp-65345
Set :	

Which statement about the output above is true?

- A. The defined route map is used in BGP with neighbor remote-as export.
- B. The advertised AS path is longer than by default.
- C. The advertised routes have a MED value of 100.
- D. The advertised AS paths are configured in an IP prefix-list.

Answer: B

NEW QUESTION 5

You need to configure BGP on an HPE Aruba Networking switch using AS 65010. What is required when establishing peering with neighboring devices using eBGP AS 65100?

- A. Use of peer AS 65001
- B. Use of route-reflector
- C. Use of directory connected peer

D. Use of address-family ipv4 internal

Answer: C

NEW QUESTION 6

Your customer's CX switches are managed in HPE Aruba Networking Central. You plan to deploy new APs connecting to your existing CX switches. Which report can you run to determine if there are enough available ports and PoE capacity?

- A. Infra Inventory
- B. Switch Capacity Planning
- C. Network
- D. Resource Utilization

Answer: B

NEW QUESTION 7

You need to configure BGP on an HPE Aruba Networking switch using AS 65010. What is required when establishing peering with neighboring devices using eBGP that are not directly connected?

- A. Use of next-hop-self
- B. Use of ebgp-multihop
- C. Use of route-reflector
- D. Use of address-family ipv4 external

Answer: B

NEW QUESTION 8

You have run a script to configure a new VLAN on a CX switch, but are receiving a '404 - Not Found' HTTP response code. What do you need to do to resolve the issue?

- A. Send a POST request to the /rest/v1/login resource.
- B. Correct syntax error contained in the data payload.
- C. Enable the switch REST API in read/write mode.
- D. Specify the /rest/v1/system/vlan URI in the request.

Answer: D

NEW QUESTION 9

You are planning a 1 Gbps link between two CX switches. Which type of SFP port will be required?

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

Answer: C

NEW QUESTION 10

DRAG DROP

Match each network requirement to the most appropriate routing protocol. Options may be used more than once.

Answer Area

eBGP		Advertise your company's public address space to a service provider.
IBGP		Connecting to the Internet over a single service provider connection.
OSPF		Connecting to multiple service providers and learning different routes from each one.
Static Routing		Resilient and scalable routing for networks within an organization using route reflectors.
		Resilient routing for a large campus network that is efficient and easily scalable.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

eBGP

BGP

OSPF

Static Routing

Answer Area

eBGP

Static Routing

eBGP

BGP

OSPF

Advertise your company's public address space to a service provider.

Connecting to the Internet over a single service provider connection.

Connecting to multiple service providers and learning different routes from each one.

Resilient and scalable routing for networks within an organization using route reflectors.

Resilient routing for a large campus network that is efficient and easily scalable.

NEW QUESTION 10

The HPE Aruba Networking CX 8320 VSX configuration is running the current software:

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```
show image
-----
ArubaOS-CX Primary Image
-----
Version : TL.10.13.1000
Size    : 387 MB
Date    : 2024-01-29 21:07:24 UTC
SHA-256 : 8a57c46181e3e8d6a065f6b60a2b46fc418e71d3e3c2c6cb188e7dc8b7fb2e24

-----
ArubaOS-CX Secondary Image
-----
Version : TL.10.13.1000
Size    : 387 MB
Date    : 2024-01-29 21:07:24 UTC
SHA-256 : 8a57c46181e3e8d6a065f6b60a2b46fc418e71d3e3c2c6cb188e7dc8b7fb2e24

Default Image : secondary
Boot Profile Timeout : 5 seconds

-----
Management Module 1/1 (Active)
-----
Active Image      : secondary
Service OS Version : TL.01.08.0002
BIOS Version      : TL-01-0015
```

The switch has the following IP configuration:

```
interface mgmt
  no shutdown
  ip static 172.25.102.11/23
  default-gateway 172.25.102.1
!
interface vlan 4000
  vsx-sync active-gateways
  ip address 10.255.251.3/29
  active-gateway ip mac 12:02:10:00:01:00
  active-gateway ip 10.255.251.2
exit
```

How do you upgrade the VSX cluster with the least amount of downtime from a remote server 172.25.101.10 reachable from 172.25.102.11?

- A. vsx update-software scp://172.25.101.10/image vrf mgmt
- B. vsx update-software scp://172.25.101.10/image primary
- C. vsx update-software tftp://172.25.101.10/image vrf mgmt
- D. vsx update-software tftp://172.25.101.10/image primary

Answer: A

NEW QUESTION 11

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

NEW QUESTION 14

You've rebooted sw-aggr2 in a VSX configuration, after which you see this condition (refer to the exhibit):

```
sw-agg1(config)# show vsx status
VSX Operational State
-----
ISL channel           : In-Sync
ISL mgmt channel      : operational
Config Sync Status    : sw_image_version_mismatch_error
NAE                   : sw_image_version_mismatch_error
HTTPS Server          : sw_image_version_mismatch_error

Attribute             Local             Peer
-----
ISL link              lag256         lag256
ISL version           2             2
System MAC            02:00:00:00:00:01  02:00:00:00:00:01
Platform             8325          8325
Software Version      GL.10.09.0010   GL.10.11.1021
Device Role           primary        secondary
```

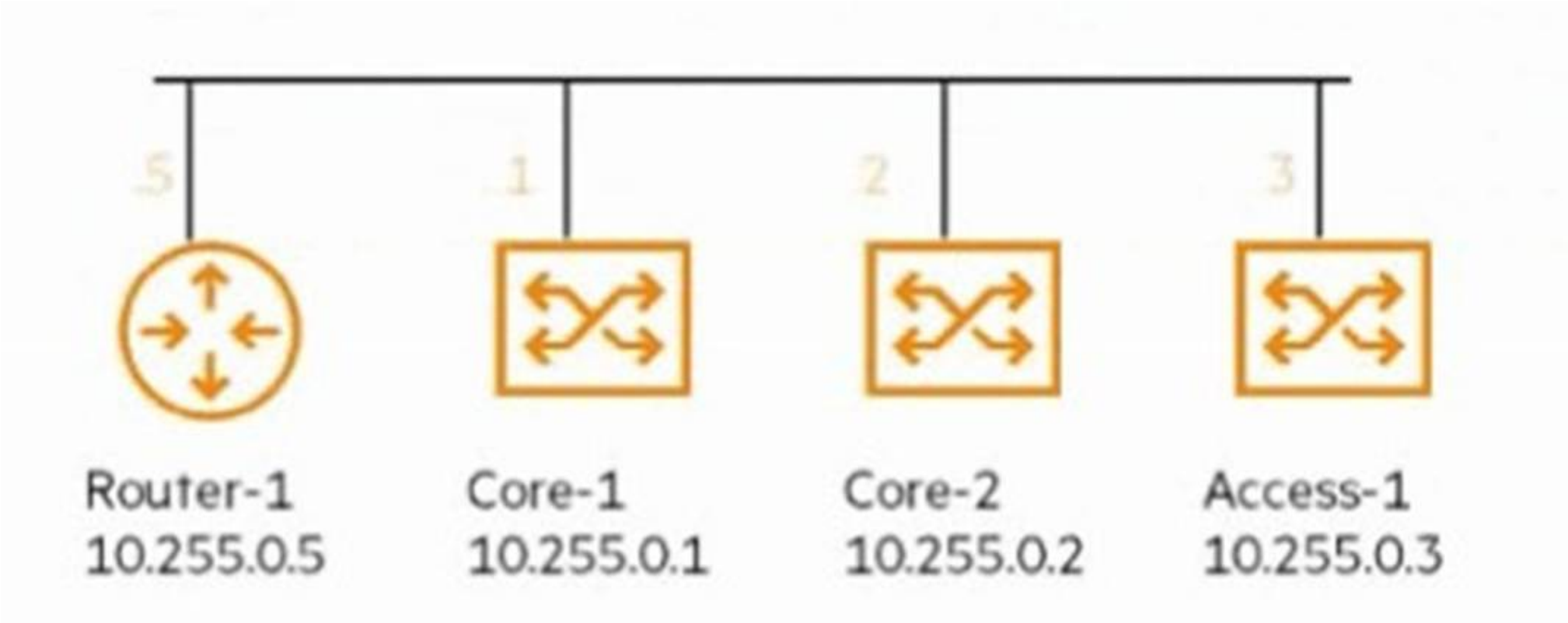
What can you identify based on this output?

- A. The VSX cluster still syncs configuration changes that are common to both software versions.
- B. The VSX cluster is in incompatible mode due to software differences.
- C. The VSX cluster can be live upgraded by rebooting sw-agg1.
- D. The VSX cluster forwards all traffic through ISL to the primary switch.

Answer: B

NEW QUESTION 16

You are configuring OSPF on each of the devices shown. After verifying the OSPF neighbor table on each, you notice that Router-1 and Access-1 have neighbors in the 2WAY state. What is the reason for this?



- A. Router-1 and Access-1 have reached a tie in the DR election.
- B. Router-1 and Access-1 have no OSPF networks to advertise.
- C. This is normal behavior for OSPF neighbors on a broadcast network.
- D. IGMP snooping has been configured on Router-1 and Access-1.

Answer: C

NEW QUESTION 17

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

- 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

NEW QUESTION 21

You have created a LAG interface to a Gateway on a VSX pair using the following commands:

```
interface lag 10 description Gateway no shutdown
```

```
no routing
```

```
vlan trunk native 1 vlan trunk allowed all lacp mode active
```

After checking the state of the link aggregation group (LAG) on the Gateway, you can see that only one of the member links is up. What is causing this?

- A. The ??multi-chassis?? parameter is missing.
- B. The ??vsx-sync?? parameter is missing.
- C. The gateway only supports LACP passive.
- D. LACP fallback should be enabled.

Answer: A

NEW QUESTION 26

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: AC

NEW QUESTION 31

Based on the images provided , which CLI command was used to produce this output?

- A. Use checkpoint diff to compare running-config with stored checkpoints.
- B. Use show checkpoint compare to compare running-config with stored saved-config revisions.
- C. Use show checkpoint diff to compare running-config with stored checkpoints.
- D. Use checkpoint compare to compare running-config with stored saved-config revisions.

Answer: A

NEW QUESTION 35

You are implementing a directly connected routing plan using OSPF on an HPE Aruba Networking CX 6200 and ISP router. What would be the impact of changing the network type to point-to-point?

- A. It will reduce the number of LSA type-2 advertisements
- B. A larger number of OSPF routes would be supported
- C. It will increase the number of LSA type-3 advertisements
- D. The configuration would remain as the default

Answer: A

NEW QUESTION 36

DRAG DROP

Match the terminology related to 802.1x authentication.

DRAG DROP -

Match the terminology related to 802.1x authentication.

Authentication server

Supplicant

Authenticator

Radius

Answer Area

AOS-CX switch

Encapsulated packets from NAS

HPE Aruba ClearPass

Windows Client

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

DRAG DROP -

Match the terminology related to 802.1x authentication.

Authentication server

Supplicant

Authenticator

Radius

Answer Area

Authenticator

Radius

Authentication server

Supplicant

AOS-CX switch

Encapsulated packets from NAS

HPE Aruba ClearPass

Windows Client

NEW QUESTION 39

You are implementing a design where the campus network should be in an isolated spanning tree topology from the data center network. The core switches are connected by a single layer-2 interface carrying multiple VLANs. When you examine the switches you discover that the campus core sees the data center core as the root bridge. Which configuration can you apply to the campus to data center core link to resolve the issue?

- A. Root guard
- B. BPDU filter
- C. BPDU guard
- D. Admin edge

Answer: B

NEW QUESTION 41

Your customer is concerned about users connecting unmanaged switches to the network and causing outages. Which CX switch feature should you recommend?

- A. Port security
- B. BPDU Guard
- C. Loop protection
- D. MAC authentication

Answer: C

NEW QUESTION 46

Your customer's CX switches are managed in HPE Aruba Networking Central. After enabling monitoring using NAE, you consider upgrading some of your 6200 switches with more powerful 6300 switches.

Which report can you run to determine which sites would benefit most from an upgrade?

- A. Infra Inventory
- B. Resource Utilization
- C. Network
- D. Switch Capacity Planning

Answer: D

NEW QUESTION 51

You are reviewing the configuration of an aggregation switch and have noticed that VLAN 1 is configured as the native VLAN on all interfaces connected to access switches. Why might this have been configured?

- A. To support LLDP
- B. To support UBT
- C. To support MSTP
- D. To support ZTP

Answer: D

NEW QUESTION 52

You need to find which change was made to the HPE Aruba Networking CX switch from the GUI. Which option can you use?

- A. Use checkpoint diff to compare running-config with stored saved-config revisions
- B. Use show checkpoint diff to compare running-config with stored checkpoints
- C. Use show checkpoint diff to compare running-config with stored saved-config revisions
- D. Use checkpoint diff to compare running-config with stored checkpoints

Answer: C

NEW QUESTION 53

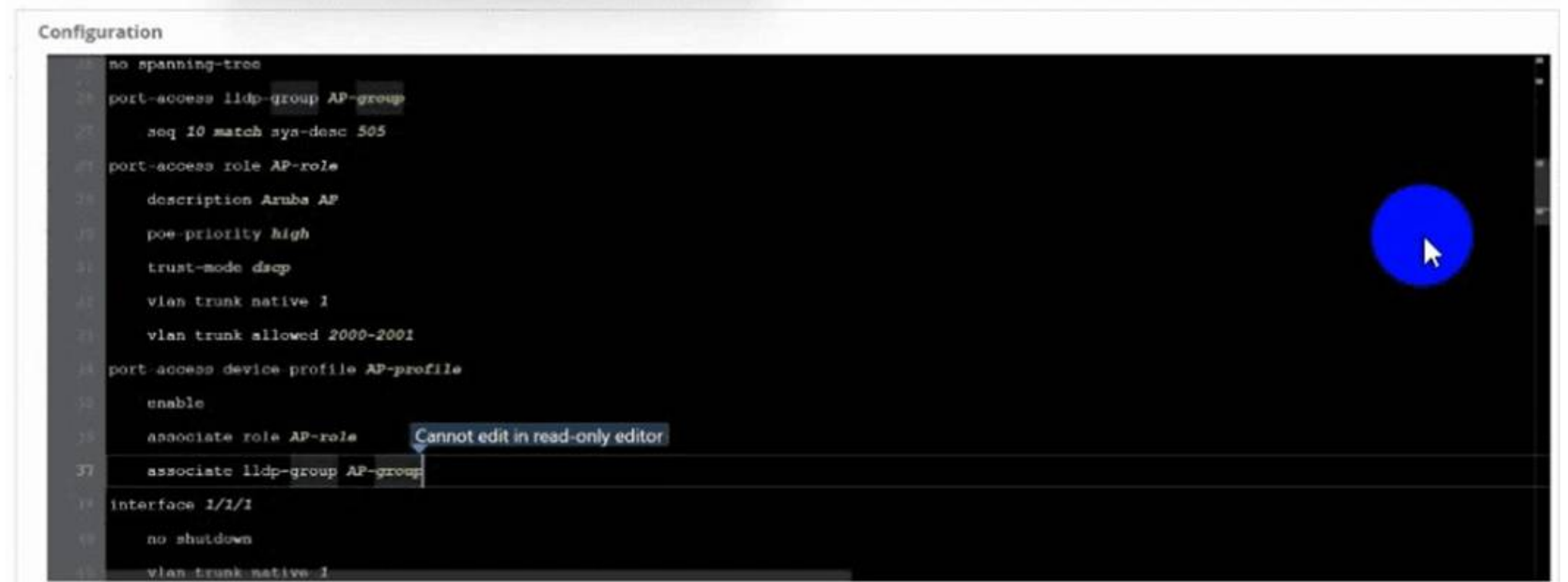
Which statement is valid when enabling ARP protection features on HPE Aruba Networking CX switches?

- A. Once you enable DHCP snooping, you can enable ARP protection, and you will have full information to mitigate security risks.
- B. In an active network, you should generally wait at least a week after enabling DHCP snooping to enable ARP protection.
- C. Client lease time on the DHCP server should be at least 3600s before enabling ARP protection.
- D. DHCP server utilization is required for IP to MAC binding to enable ARP protection.

Answer: B

NEW QUESTION 56

You are about to make a change to the HPE Aruba Networking CX switch in HPE Aruba Networking Central and are encountering the condition displayed above.



What needs to be done to make a change to the switch with multi-edit?

- A. Select configuration status and enable edit config
- B. Enable edit config mode using the gear icon
- C. Override state
- D. Select the device in multi-edit and enable edit config mode

Answer: B

NEW QUESTION 58

You are deploying a pair of VSX switches parallel to some existing HPE Comware switches. You would like to configure a common first-hop redundancy protocol as part of your migration strategy. Which of these would be suitable?

- A. Active Forwarding
- B. HSRP
- C. VRRP
- D. Active Gateway

Answer: C

NEW QUESTION 63

Refer to the exhibit:

```
Core-1(config)# show spanning-tree mst-config
MST configuration information
  MST config ID       : CXF
  MST config revision  : 1
  MST config digest    : BE0284020F4046A8DA89C509B3B4F78A
  Number of instances  : 2
```

Instance ID	Member VLANs
0	1-10,13-4040
1	11
2	12

```
Core-2(config)# show spanning-tree mst-config
MST configuration information
  MST config ID       : 90:20:c2:c0:bc:00
  MST config revision  : 0
  MST config digest    : AC36177F50283CD488382108AB26DE62
  Number of instances  : 0
```

Instance ID	Member VLANs
0	1-4040

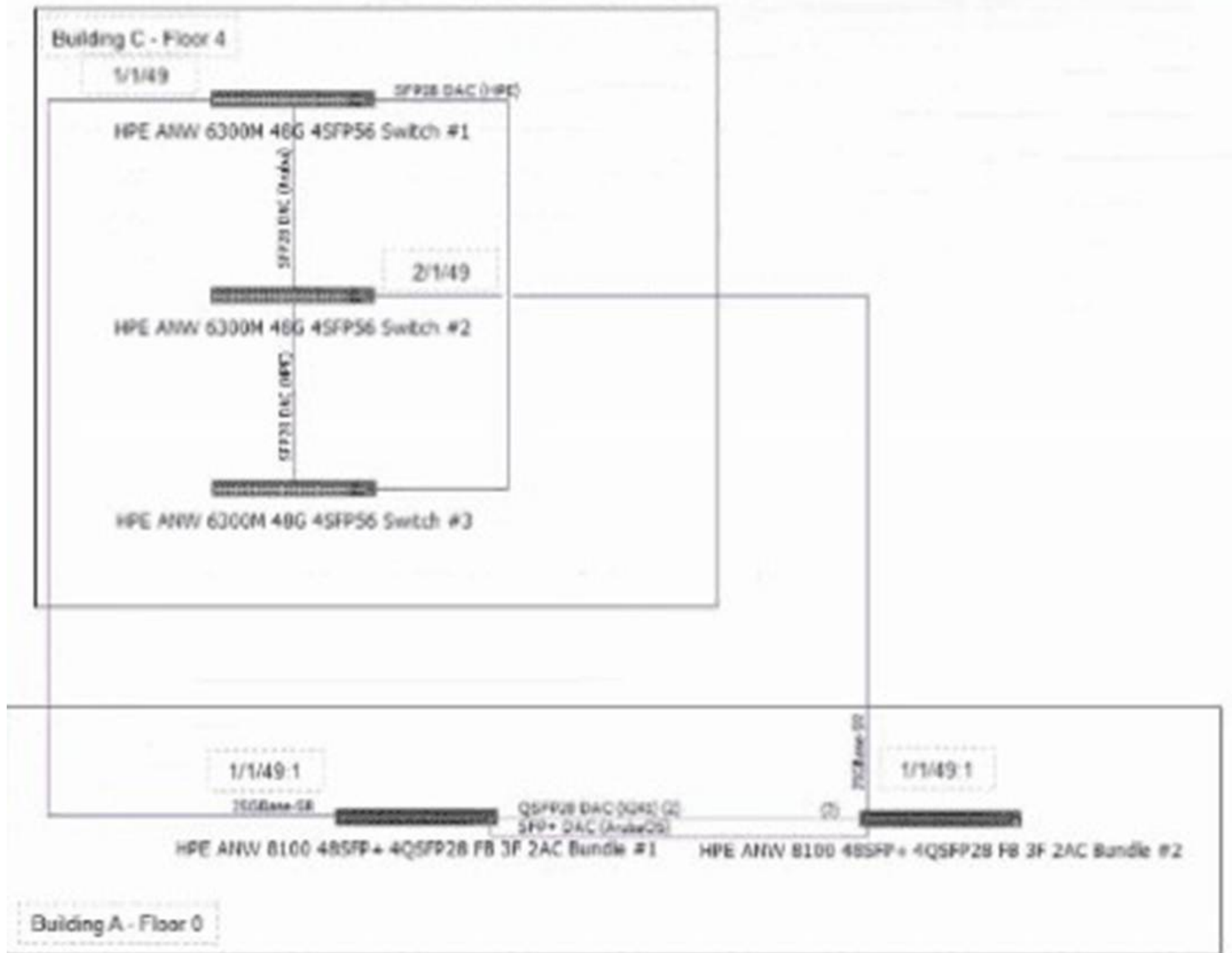
Both switches, Core-1 and Core-2, are configured with default spanning-tree priorities. Both switches appear as primary root bridges. What must be done to have only one spanning tree domain?

- A. Create MST instances 1 and 2 on Core-2.
- B. Create matching MST configuration on Core-2.
- C. Set the spanning tree priority to 1 on Core-1.
- D. Set the spanning tree priority to 1 on Core-2.

Answer: B

NEW QUESTION 67

Refer to the exhibit:



A senior network architect has created the configuration above. You are implementing the setup in Building A and C. The actual fiber distance between the building locations is 200m / 656ft utilizing OM4 cabling.

What needs to be changed in the configuration based on the actual environmental conditions to complete the installation and 7 other CX 6300 VSF stack connections in the future?

- A. Replace the 25GR optics with 10SR
- B. Replace the 25GR optics with 25LR
- C. Replace the 25GR optics with 10LR
- D. Replace the 25GR optics with 25SR

Answer: D

NEW QUESTION 71

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

NEW QUESTION 75

DRAG DROP

Company A has an existing HPE Aruba Networking CX 8325 VSF. It has acquired Company B and must merge its networks onto the same VSF switch configuration as Company A. Both Company A and Company B share the same 10.100.100.1/21 subnet.

What is the correct order for creating a configuration allowing overlapping networks in the setup?

OPTIONS	ORDER
interface vlan 200	
ip address 10.100.100.1/24	
vrf attach company-b	
vrf company-b	

>

<

^

v

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

OPTIONS	ORDER
interface vlan 200	vrf company-b
ip address 10.100.100.1/24	interface vlan 200
vrf attach company-b	vrf attach company-b
vrf company-b	ip address 10.100.100.1/24

>

<

^

v

NEW QUESTION 80

You are attempting to configure an interface, but you are seeing the error message below. What could explain this?
Access-1(config)# interface 1/1/1 Invalid input: interface

- A. The switch is in password recovery mode
B. The command must be run from the manager context
C. The switch is being managed by HPE Aruba Networking Central
D. Authorization is enabled for CLI commands

Answer: C

NEW QUESTION 84

When combining Strict Priority (SP) with other queuing types, how can you avoid starvation of lower priority queues?

- A. Apply multiple queuing profiles to the same interface.
B. Configure WFQ DWRR instead of queuing.
C. Apply shaping to queue 7.
D. Configure a higher weight for lower priority queues.

Answer: C

NEW QUESTION 85

OSPF peering is configured between HPE Aruba Networking CX 6300 switches utilizing BFD. You've made this configuration on switch B, while switch A is in the default configuration:

```
bfd min-receive-interval 2000
bfd min-transmit-interval 2000
bfd min-echo-receive-interval 2000
bfd detect-multiplier 3
```

Which BFD Tx/Rx interval values will switch A use for the show bfd session?

- A. Switch A show BFD sessions using 500ms
B. Switch A show BFD sessions using 6000ms
C. Switch A show BFD sessions using 2000ms
D. Switch A show BFD sessions using 300ms

Answer: D

NEW QUESTION 89

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

NEW QUESTION 91

While troubleshooting a scenario in which the customer has added two new line cards on an HPE Aruba Networking CX 6400 switch, the LEDs on the line card do not show light on the first card.

Which troubleshooting methodology should you use to isolate the problem?

- A. Spot the difference by comparing the switch configurations.
- B. Divide and conquer by swapping the line cards in their slot.
- C. Follow the path and check the connectivity from the access switch to the CX 6400.
- D. Replace the configuration using the previous checkpoint on the switch.

Answer: B

NEW QUESTION 94

You recently enabled ARP protection on your CX switches, but many users now complain that they can no longer access the network.

What do you need to configure to resolve the issue?

- A. Dynamic IP lockdown
- B. IGMP snooping
- C. DHCP snooping
- D. DHCP reservations

Answer: C

NEW QUESTION 96

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

NEW QUESTION 101

You have configured 802.1X and MAC authentication in an office environment. During testing, you noticed that devices that don't support 802.1X take a few minutes to receive an IP address. What can you do to improve the connection time for these devices while maintaining a secure configuration?

- A. Disable 802.1X on ports connecting to devices that don't support it.
- B. Increase the 802.1X EAPOL timeout value on all ports.
- C. Configure auth-precedence to MAC, then 802.1X authentication.
- D. Decrease the MAC auth start value on all ports.

Answer: C

NEW QUESTION 103

You recently made a configuration change on a switch, and shortly afterward, you noticed a spike in CPU utilization in the NAE dashboard. You are concerned that the high CPU could be affecting users. What should you do to restore service as quickly as possible?

- A. Reboot the switch.
- B. Revert the change.
- C. Disable debug logging.
- D. Pause NAE monitoring.

Answer: B

NEW QUESTION 106

Refer to the exhibit from an HPE Aruba Networking CX6000:

```
show lacp interfaces

State abbreviations :
A - Active           P - Passive       F - Aggregable I - Individual
```

Two CX 6000 switches are configured with the same configuration for LAG 1. What needs to be done to remove the LACP block state?

- A. On one of the switches, change the LACP mode to passive
- B. Change the LACP mode from passive to active on one of the switches
- C. Change the LACP mode from passive to static on one of the switches
- D. On both of the switches, change the LACP timeout to short

Answer: B

NEW QUESTION 107

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 provisioning a gateway without LACP.
- D. To allow operation with active or passive LACP.

Answer: C

NEW QUESTION 112

Your company needs to run BGP in a multi-homed configuration to two ISPs, advertising a block of public address space you own. Which AS number would be an example of a suitable number?

- A. 64813
- B. 63472
- C. 65535
- D. 65218

Answer: B

NEW QUESTION 116

What does it mean when an event such as the one below occurs on the HPE Aruba Networking CX switch?

2024-04-04T08:35:36.312254+00:00 ICX-Core-1 hpe-vsxd[2167]:

Event[7012|LOG_INFO|AMM|1/1|VSX 2 state local down, remote up

- A. VSX secondary switch is down.
- B. The multichassis LAG 2 interface is down on both switches.
- C. The physical interface of LAG 2 on the local VSX member is down.
- D. VSX keepalive has detected that the primary member is down.

Answer: C

NEW QUESTION 118

A recent routing change has caused an outage to one of your customer's branch sites. You are about to run the command below:

copy checkpoint 20240722 running-config

Which troubleshooting methodology does this exemplify?

- A. Divide and conquer
- B. Top-down/Bottom-up
- C. Replace configuration
- D. Spot the difference

Answer: C

NEW QUESTION 121

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