

HP

Exam Questions HPE7-A08

HPE Network Switching Professional Exam



NEW QUESTION 1

In an attempt to clear the switch configuration, you've issued the command `erase all`. 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

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

- A. DHCP server utilization is required for IP to Mac binding to enable ARP protection.
- B. Client lease time on the DHCP server should be at least 3600s before enabling ARP protection.
- C. Once you enable DHCP snooping, you can enable ARP protection, and you will have full information to mitigate security risks.
- D. Configuring IP to MAC address bindings allows ARP protection for networks without a DHCP server.

Answer: D

NEW QUESTION 3

You need to run a packet capture on a CX switch and be able to view the full output on a remote device in real-time. What is the best way to do this?

- A. Configure a mirror session using ERSPAN to a computer running Wireshark
- B. Inspect the summary of the packets in real time on the switch using `tcpdump`
- C. Configure a mirror session with another port on the switch as the destination
- D. Configure a mirror session to the CPU, use `tshark` to capture it to a PCAP file

Answer: A

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 verifying a new VSX deployment and have run the following command. Based on the output, which statement is true?

```
Core-1# show vsx brief
ISL State : In-Sync
Device State : Peer-Established
Keepalive State : Keepalive-Init
Device Role : primary
Number of Multi-chassis LAG interfaces : 1

Core-1# show vsx status
VSX Operational State
-----
ISL channel : In-Sync
ISL mgmt channel : operational
Config Sync Status : in-sync
NAE : peer_reachable
HTTPS Server : peer_reachable
```

- A. This device has the highest configured VSX priority.
- B. ISL failure would result in a split-brain condition.
- C. VSX on both switches is in a healthy state.
- D. The ISL has been configured in the mgmt VRF.

Answer: B

NEW QUESTION 10

An eBGP configuration is set up from HPE Aruba Networking CX 6300 to two peers. Both peers advertise the 10.200.0.0/23 subnet with the default configuration. What configuration implementation would prefer this route using peer A over B?

- A. Define a route-map with set local-preference 200 and bind it to peer B BGP import configuration.
- B. Define a route-map with set metric 200 and bind it to peer A BGP import configuration.
- C. Define a route-map with set local-preference 200 and bind it to peer A BGP import configuration.
- D. Define a route-map with set metric 200 and bind it to peer B BGP import configuration.

Answer: C

NEW QUESTION 10

Refer to the exhibit:

```
show lldp neighbor-info 1/1/49
```

```
Port : 1/1/49
Neighbor Entries : 1
Neighbor Entries Deleted : 0
Neighbor Entries Dropped : 0
Neighbor Entries Aged-Out : 0
Neighbor System-Name : aggr-sw2
Neighbor System-Description : Aruba J1635A GL.10.13.1010
Neighbor Chassis-ID : bc:d7:a5:6d:48:00
Neighbor Management-Address : 172.30.32.8
Chassis Capabilities Available : Bridge, Router
Chassis Capabilities Enabled : Bridge, Router
Neighbor Port-ID : 1/1/49
Neighbor Port-Desc : 1/1/49
Neighbor Port VLAN ID : 1
Neighbor Port VLAN Name : DEFAULT_VLAN_1
Neighbor Port MFS : 9198
Link aggregation supported : Yes
Link aggregation enabled : Yes
Aggregation port ID : 49
```

The neighbor switch is configured with the following IP interfaces:

? mgmt: 172.30.32.8

? loopback 0: 10.255.255.2

? vlan 5: 192.168.5.2

How can you change the advertised management IP information to appear as the VLAN 5 IP?

- A. Under interface vlan 5, issue command: lldp management-address
- B. Issue in global context command: lldp management-address vlan 5
- C. Under lldp context: lldp management-address 192.168.5.2
- D. Issue in global context command: lldp management-ipv4-address vlan 5

Answer: D

NEW QUESTION 12

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 17

You are helping another engineer troubleshoot a new downloadable user role configuration between your CX switches and ClearPass. Which configuration on the switch should you verify?

- A. HTTPS client certificate
- B. REST API credentials
- C. SNMP community string
- D. User-role configuration

Answer: A

NEW QUESTION 21

Your customer's CX switches are managed in HPE Aruba Networking Central. If a VSX primary switch is accidentally powered off, which alert will be triggered?

- A. Switch Reboot
- B. Switch Disconnected
- C. Switch Stack Conductor Change
- D. Switch STP Root Change

Answer: B

NEW QUESTION 26

A customer has connected a server to VLAN 100 on a 6300 switch which is streaming video using multicast group 224.0.0.100. This stream would need to be received by the clients in VLANs 200 and 300, routed on the same CX switch. What needs to be done to enable the requirement?

- A. The multicast group address needs to be changed to a routable subnet.
- B. The multicast group address needs to be changed to other 224.0.0.x non-overlapping address.
- C. The igmp-snooping needs to be enabled on SVIs 100, 200, and 300.
- D. The igmp needs to be enabled on the SVIs 100, 200, and 300.

Answer: A

NEW QUESTION 30

Which HPE Aruba Networking ClearPass configuration is required to implement DUR?

- A. Enable the RadSec service
- B. Create an admin user role
- C. Import RADIUS dictionary attributes
- D. Configure an HTTPS certificate

Answer: D

NEW QUESTION 31

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 34

You have added a switch with existing configuration to an existing group in HPE Aruba Networking Central but the configuration is not synchronizing. What could cause this?

- A. The switch is configured in a VSX pair, which HPE Aruba Networking Central does not support.
- B. The switch is still pending authorization on the organization settings page.
- C. The switch cannot establish a management connection with HPE Aruba Networking Central.
- D. Only switches with factory default config can be added to a group with existing config.

Answer: D

NEW QUESTION 35

A customer has set global qos trust dscp on an HPE Aruba Networking CX 6300 VSF configuration, which replaced the existing HPE Aruba Networking 5406R VSF. After the change, a video streaming service connected to ports 1/1/20 and 2/1/20, bound to LAG 20, no longer maps to the CoS priority queue mappings used in the old configuration.

What configuration change would enable priority trust on DSCP by default and on traffic that requires CoS?

- A. Bashint 1/1/20, 2/1/20 qos trust none!int lag 20 qos trust cos
- B. qos trust dscp, cos
- C. Bashint 1/1/20, 2/1/20 qos trust cos
- D. Bashint lag 20 qos trust cos

Answer: D

NEW QUESTION 36

A customer wants to prevent 'man-in-the-middle' attacks based on Layer 2 addressing. What will help address that concern?

- A. Enable ARP inspection in the VLAN interface context
- B. Enable ARP inspection in the VLAN context
- C. Enable ARP inspection in the global context
- D. Enable ARP inspection in interface-level context

Answer: B

NEW QUESTION 37

TAC has made a configuration change on the CLI of a CX switch using aruba-central support-mode. Which statement about the switch configuration in HPE Aruba Networking Central is true?

- A. The user must make the same change in HPE Aruba Networking Central for synchronization to occur.
- B. HPE Aruba Networking Central will automatically overwrite the configuration change.
- C. The configuration change will be automatically synchronized to HPE Aruba Networking Central.
- D. Config auto-commit will be disabled and must be re-enabled manually.

Answer: C

NEW QUESTION 40

A customer has asked if their new CX switches will support their legacy management system. Which of these would this include? (Choose two.)

- A. CLI
- B. REST API
- C. NAE
- D. HTTPS
- E. SNMP

Answer: AE

NEW QUESTION 41

You are implementing HPE Aruba Networking CX switches in a hotel environment. Which feature would allow you to use a single subnet for the wired guests, allowing them to utilize only default gateway services and communicate with each other in a conference room but not elsewhere?

- A. By assigning the guest users in the conference room to an isolated VLAN and the gateway to a primary VLAN.
- B. By assigning the guest users in the conference room to a community VLAN and the gateway to a primary VLAN.
- C. By assigning the guest users in the conference room to a primary VLAN and the gateway to an isolated VLAN.
- D. By assigning the guest users in the conference room to an isolated VLAN and the gateway to a community VLAN.

Answer: B

NEW QUESTION 43

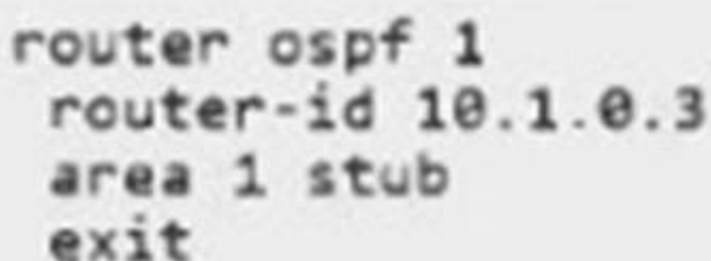
Your customer's CX switches are managed in HPE Aruba Networking Central. If a VSX primary switch is accidentally powered off, which alert will be triggered?

- A. Switch Reboot
- B. Switch Stack Conductor Change
- C. Switch Disconnected
- D. Switch STP Root Change

Answer: C

NEW QUESTION 47

Refer to the exhibit:



```
router ospf 1
router-id 10.1.0.3
area 1 stub
exit
```

Using the configuration below, you have configured OSPF at a small branch site, which only requires a single default route to reach the Internet and all other sites. When examining the routing table, you still see other OSPF routes besides the default route. What OSPF area type should you configure?

- A. Totally Not-So-Stubby Area
- B. Stub Area
- C. Totally Stubby Area
- D. Not-So-Stubby Area

Answer: C

NEW QUESTION 49

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 54

DRAG DROP

Match where the configuration for loop-protection is defined on an AOS-CX switch. Options may be used more than once.

Global configuration

Interface configuration

loop-protect

loop-protect action tx-rx-disable

loop-protect re-enable-timer 30

loop-protect transmit-interval 10

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Global configuration

Interface configuration

Interface configuration

Global configuration

Global configuration

Global configuration

loop-protect

loop-protect action tx-rx-disable

loop-protect re-enable-timer 30

loop-protect transmit-interval 10

NEW QUESTION 56

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 61

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

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

Answer: B

NEW QUESTION 65

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 66

You would like to receive a monthly report tracking your available HPE Aruba Networking Central licenses and their expiration dates. Which report should you schedule?

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

Answer: D

NEW QUESTION 67

A junior engineer has configured eBGP between two CX switches (Agg-1 and Agg-2) using the configuration below, and tells you that the neighbors are in the ??Active?? state.

Agg-1

```
router bgp 64512
  router-id 10.255.0.12
  neighbor 10.3.0.3 remote-as 64500
  neighbor 10.3.0.3 update-source loopback 0
  address-family ipv4 unicast
    neighbor 10.3.0.2 activate
```

Agg-2

```
router bgp 64500
  router-id 10.255.0.3
  neighbor 10.3.0.12 remote-as 64512
  neighbor 10.3.0.12 update-source loopback 0
  address-family ipv4 unicast
    neighbor 10.3.0.12 activate
```

What can you tell them?

- A. When configuring eBGP the AS numbers must match.
- B. The eBGP multi-hop feature must be configured.
- C. Peering using loopback addresses is not supported.
- D. The BGP peers are advertising and learning routes.

Answer: B

NEW QUESTION 70

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

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

Answer: C

NEW QUESTION 75

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 77

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    : 8E0284D20F4D46A8DA89C5D9B3B4F78A
  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    : AC36177F50283CD4883821D8AB26DE62
  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 78

What does it mean when an event like the one below is seen on the HPE Aruba Networking CX switch?
2024-04-04T08:35:38.312254+00:00 ICX-Core-1 hpe-vaxd[2167]:
Event[701|LOG_INFO|AMM1/1|VSX2 state local up, remote down]

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

Answer: A

NEW QUESTION 81

DRAG DROP

Company A has an existing HPE Aruba Networking CX 8325 VSX. It has acquired Company B and must merge its networks onto the same VSX 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

interface vlan 200

ip address 10.100.100.1/24

vrf attach company-b

vrf company-b

>

<

ORDER

>

<

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

OPTIONS

interface vlan 200

ip address 10.100.100.1/24

vrf attach company-b

vrf company-b

>

<

ORDER

vrf company-b

interface vlan 200

vrf attach company-b

ip address 10.100.100.1/24

>

<

NEW QUESTION 84

You have added a switch with existing configuration to an existing group in HPE Aruba Networking Central but the configuration is not synchronizing. What could cause this?

- A. Only switches with factory default config can be added to a group with existing config.
- B. HPE Aruba networking Central has not been enabled on the local switch configuration.
- C. The switch is configured in a VSX pair, which HPE Aruba Networking Central does not support.
- D. The switch is still pending authorization on the organization settings page.

Answer: A

NEW QUESTION 87

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 88

Refer to the exhibit.

```
Core-2(config)# show running-config | begin vsx
VSX
    system-mac 06:02:10:00:02:00
    inter-switch-link lag 256
    role secondary
    vsx-sync stp-global vsx-global
!
!
https-server vrf mgmt
```

The NTP server is configured on the Primary VSX switch, however, the Secondary switch does not display the NTP configuration in the running configuration. How can the VSX configuration be changed to have the same config on both nodes?

- A. On the primary switch, add vsx-sync ntp under VSX configuration.
- B. On the secondary switch, add vsx-sync ntp under VSX configuration.
- C. On the secondary switch, add vsx-sync time under VSX configuration.
- D. On the primary switch, add vsx-sync time under VSX configuration.

Answer: D

NEW QUESTION 89

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 93

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

- A. 802.1Q
- B. 802.1X
- C. 802.11X
- D. 802.1AD

Answer: B

NEW QUESTION 94

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

- A. VRRP
- B. VNBT
- C. VSF
- D. VRF

Answer: B

NEW QUESTION 96

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 99

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 102

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 104

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 106

How would you describe the firmware upgrade process for an HPE Aruba Networking VSX cluster?

- A. After the upgrade, the vsx-syned process can resume synchronization even if the switches are in a different firmware version
- B. After the upgrade, the vsx-syned process will continue synchronization, once vsx- upgrade commit is issued
- C. During the upgrade, the vsx-syned process will stop synchronization while the software versions are mismatched
- D. During the upgrade, the vsx-syned process will continue synchronization while the software versions are mismatched

Answer: C

NEW QUESTION 109

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