

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 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

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

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 5

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 6

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 7

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 8

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

```
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 9

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 10

Refer to the exhibit:

Switches

Configuration Status

In Aruba Central, the configuration of a virtual controller or switch can be individually modified. Modifications at the device level override the settings inherited from the group. This is known as a 'local override'. Use this view to determine whether any such configuration changes between devices and their parent group exist. Occasionally a Central managed device will fail to receive a configuration change from Central, and if this condition exists for any device in this group, you'll see it as a 'configuration issue'. If the condition persists, contact Aruba support.

Auto-commit Changes State
Devices auto-commit state: **1 ON**
0 OFF

Configuration Issues
Pending changes: 0
Configuration errors: 0

Local Overrides
Switches with overrides: **1**
Switches without overrides: 0

Switches (1)				
Name	IL	Auto Commit State	Config Status	Local Overrides
SW0		On	• Synchronized	Yes

Based on the output, which statement is true?

- A. The switch is currently managed by local CLI overrides.
- B. The switch has a configuration pushed that has changed the default settings.
- C. The switch is set to auto checkpoint creation for auto-rollback, if configuration push fails.
- D. The switch requires a commit configuration, once the change is pushed.

Answer: B

NEW QUESTION 10

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 13

An HPE Aruba Networking Central switch is managed in HPE Aruba Networking Central. If you need to validate configuration changes in the switch??s Global view, what information can you get using the Audit trail?

- A. The configuration changes history is up to 7 years.
- B. The configuration difference that was pushed to the device.
- C. The method used to create the configuration (template, multi-edit, or GUI).

D. The username of the person who pushed the configuration.

Answer: D

NEW QUESTION 15

Which statement about redistributing BGP routes to OSPF is true?

- A. Only the default route should be redistributed to OSPF.
- B. Always redistribute BGP routes to OSPF as E1 routes.
- C. Always redistribute BGP routes to OSPF as E2 routes.
- D. Only defined routes should be redistributed to OSPF.

Answer: D

NEW QUESTION 17

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 19

After enabling 802.1X authentication on all switch ports connected to AOS10 access points, users joining SSIDs in bridge mode no longer receive an IP address. Users of tunnel mode SSIDs are unaffected. What should be done to resolve the issue?

- A. Enable device auth-mode for the assigned AP role.
- B. Increase the client-limit value on all ports to 99.
- C. Enable MAC authentication on all switch ports.
- D. Configure 802.1X on all client devices.

Answer: A

NEW QUESTION 22

Which data format do CX switches support for the REST API?

- A. XML
- B. YAML
- C. JSON
- D. SOAP

Answer: C

NEW QUESTION 23

DRAG DROP

Match the terminology related to 802.1x authentication.

DRAG DROP -

Match the terminology related to 802.1x authentication.

Authentication server

Authenticator

Radius

Supplicant

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

Authenticator

Radius

Supplicant

Authenticator

Radius

Authentication server

Supplicant

AOS-CX switch

Encapsulated packets from NAS

HPE Aruba ClearPass

Windows Client

NEW QUESTION 26

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 29

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 31

Refer to the exhibit:

```
Access-1(config)# show vsf
```

```
Force Autojoin           : Disabled
Autojoin Eligibility Status: Not Eligible
MAC Address              : 10:4f:58:fc:14:40
Egress Shape Rate        : None
Secondary                :
Topology                 : Chain
Status                   : No Split
Split Detection Method    : None
```

Member ID	Mac Address	type	Status
1	10:4f:58:fc:14:40	JL668A	Conductor
2	10:4f:58:f6:84:80	JL668A	Member

What is required on the VSF configuration for the stack configuration to work if either member fails?

- A. vsf split-detect mgmt
- B. vsf start-auto-stacking
- C. vsf secondary-member 2
- D. vsf conductor-member 2

Answer: C

NEW QUESTION 36

You must enable HTTPS access to an HPE Aruba Networking CX 8100 for an SVI 100 created after default settings. How do you meet this requirement?

- A. Use the command https-server vrf mgmt to allow HTTPS access.
- B. The HTTPS server is accessible by default.
- C. The HTTPS server is accessible only from mgmt VRF.
- D. Use the command https-server vrf default to allow HTTPS access.

Answer: D

NEW QUESTION 38

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 40

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

```
show interface 1/1/44

Interface 1/1/44 is down (Administratively down)
Admin state is down
State information: No XCVR installed
Link state: down for 1 month (since Tue May 21 17:40:23 UTC 2024)
Link transitions: 0
Description:
Persona:
Hardware: Ethernet, MAC Address: bc:d7:a5:6d:5a:00
MTU 1500
Type --
Full-duplex
qos trust none
Speed 0 Mb/s
Auto-negotiation is off
Flow-control: off
Error-control: off
L3 Counters: Rx Disabled, Tx Disabled
Rate collection interval: 300 seconds
```

A new port 1/1/44 needs to be configured to connect to a 29301, which has the following configuration:

```
interface 24
 tagged vlan 1,20,24,30,40,50,55,60
 untagged vlan 10
 exit
```

Which configuration would be used?

- A.
- ```
interface 1/1/44
 no shutdown
 no routing
 vlan trunk native 10
 vlan trunk allowed 1,10,20,24,30,40,50,55,60
 exit
```
- B.
- ```
interface 1/1/44
 enable
 no routing
 vlan trunk native 10
 vlan trunk allowed 1,20,24,30,40,50,55,60
 exit
```
- C.
- ```
interface 1/1/44
 enable
 vlan trunk native 10
 vlan trunk allowed 1,10,20,24,30,40,50,55,60
 exit
```
- D.
- ```
interface 1/1/44
 no shutdown
 vlan trunk native 10
 vlan trunk allowed 1,20,24,30,40,50,55,60
 exit
```

Answer: A

NEW QUESTION 45

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

>

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- 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

>

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NEW QUESTION 48

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 49

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 51

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 54

A database administrator has reported intermittent connectivity issues with a SQL server hosted in the data center and has provided you with the source and destination IP addresses. Which troubleshooting methodology would be the most suitable to start with?

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

Answer: B

NEW QUESTION 59

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 63

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 68

You have recommended that a customer adopt a modern management approach for their new CX switches. Which of these would this include? (Choose two.)

- A. REST API
- B. YAML
- C. SNMP
- D. NAE
- E. XML

Answer: AD

NEW QUESTION 73

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 75

After configuring BFD for OSPF you are receiving monitoring alerts for high CPU utilization on your switches. Based on the configuration below, how should you resolve the issue?

```
Bash bfd
!
router ospf 1
bfd all-interfaces
```

- A. Enable ICMP active mode.
- B. Ensure BFD is enabled on all passive OSPF interfaces.
- C. Enable BFD echo mode.
- D. Disable ICMP redirects.

Answer: C

NEW QUESTION 78

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