

## Exam Questions HPE6-A73

Aruba Certified Switching Professional Exam

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#### NEW QUESTION 1

An administrator is supporting a network with the access layer consisting of AOS-CX 6300 and 6400 switches. The administrator needs to quickly deploy Aruba IAPs and security cameras in the network, ensuring that the correct QoS and VLAN settings are dynamically applied to the switch ports. Currently, switches are not configured to do device authentication, and no authentication server exists in the network.

Which AOS-CX feature should the administrator use to dynamically assign the policy settings to the correct switch ports?

- A. Device profiles
- B. Change of authorization
- C. Dynamic segmentation
- D. Voice VLANs

**Answer: C**

#### NEW QUESTION 2

What is correct regarding rate limiting and egress queue shaping on AOS-CX switches?

- A. Rate limiting and egress queue shaping can be used to restrict inbound traffic
- B. Limits can be defined only for broadcast and multicast traffic
- C. Rate limiting and egress queue shaping can be applied globally
- D. Traffic rate limit is configured on queue level

**Answer: D**

#### NEW QUESTION 3

What is a concept associated with PIM sparse mode (SM)?

- A. Reverts to forwarding when the pruning state times out.
- B. Requires periodic joins to maintain the shortest path tree (SPT).
- C. Recommended for use when high bandwidth connections exist.
- D. Implements a push content to forward traffic from the multicast source.

**Answer: C**

#### NEW QUESTION 4

An administrator is managing a network comprised of AOS-CX switches deployed at the aggregation layer. The switches are paired in a VSX stack and run the OSPF routing protocol. The administrator is concerned about how long it takes for OSPF to converge when one of the VSX switches has to reboot.

What should the administrator do to speed up the OSPF convergence of the switch that is rebooting?

- A. Change the VSXISL link from an OSPF broadcast link point-to-point.
- B. Implement graceful restart on the VSX switches and their neighboring OSPF switches.
- C. Decrease the VSX initial synchronization timer on the two VSX switches.
- D. Define non-backbone areas on the VSX switches as totally stubby areas.

**Answer: B**

#### NEW QUESTION 5

Which option correctly defines how to identify a VLAN as a voice VLAN on an AOS-CX switch?

- A. Switch(config)# port-access lldp-group <LLDP-group-name> Switch(config-ldp-group)# vlan <VLAN-ID>
- B. Switch(config)# port-access role <role-name> Switch(config-pa-role)# vlan access <VLAN-ID>
- C. Switch(config)# vlan <VLAN-ID> Switch(config-vlan-<VLAN-ID>)# voice
- D. Switch(config)# vlan <VLAN-ID> voice

**Answer: C**

#### NEW QUESTION 6

An administrator of a large campus network needs a solution that will provide root cause analytics to quickly identify problems so that they can quickly be fixed.

Which AOS-CX switch feature should the administrator utilize to help with root cause analytics?

- A. NAE
- B. VoQ
- C. NetEdit
- D. VSX

**Answer: A**

#### NEW QUESTION 7

An administrator wants to track what configuration changes were made on a switch. What should the administrator implement to see the configuration changes on an AOS-CX switch?

- A. AAA authorization
- B. Network Analysis Engine (NAE)
- C. AAA authentication
- D. VSX synchronization logging

Answer: B

#### NEW QUESTION 8

An administrator wants to drop traffic from VLAN 6 (10.1.6.0/24) to VLAN 5 (10.1.5.0/24), but allow all other traffic. What is correct configuration to accomplish this?

- A.
- ```
class ip VLAN5
 10 match ip 10.1.6.0/24 10.1.5.0/24
  exit
policy VLAN5
 10 class ip VLAN5 action drop
  exit
interface vlan 5
  apply access-list ip VLAN5 in
```
- B.
- ```
access-list ip VLAN5
 10 permit ip 10.1.6.0/0.0.0.255 10.1.5.0/0.0.0.255
 20 permit ip any any
  exit
interface vlan 5
  apply access-list ip
  VLAN5 in
  exit
```
- C.
- ```
access-list ip VLAN5
 10 deny ip 10.1.6.0/24 10.1.5.0/24
 20 permit ip any any
  exit
interface vlan 5
  apply access-list ip VLAN5 in
  exit
```
- D.
- ```
class ip VLAN5
 10 match ip 10.1.6.0/24 10.1.5.0/24
  exit
policy VLAN5
 10 class ip VLAN5 action drop
  exit
vlan 5
  apply policy VLAN5 in
```

- A. Option A  
B. Option B  
C. Option C  
D. Option D

Answer: C

#### NEW QUESTION 9

The AOS-CX mobile app allows a network engineer or technician to perform which tasks? (Choose two.)

- A. Use NetEdit to manage switch configuration.  
B. Create a stack of AOS-CX switches.  
C. Transfer files between the switch and your mobile device.  
D. Securely access the switch using SSH.  
E. Schedule an operating system upgrade.

Answer: CD

#### NEW QUESTION 10

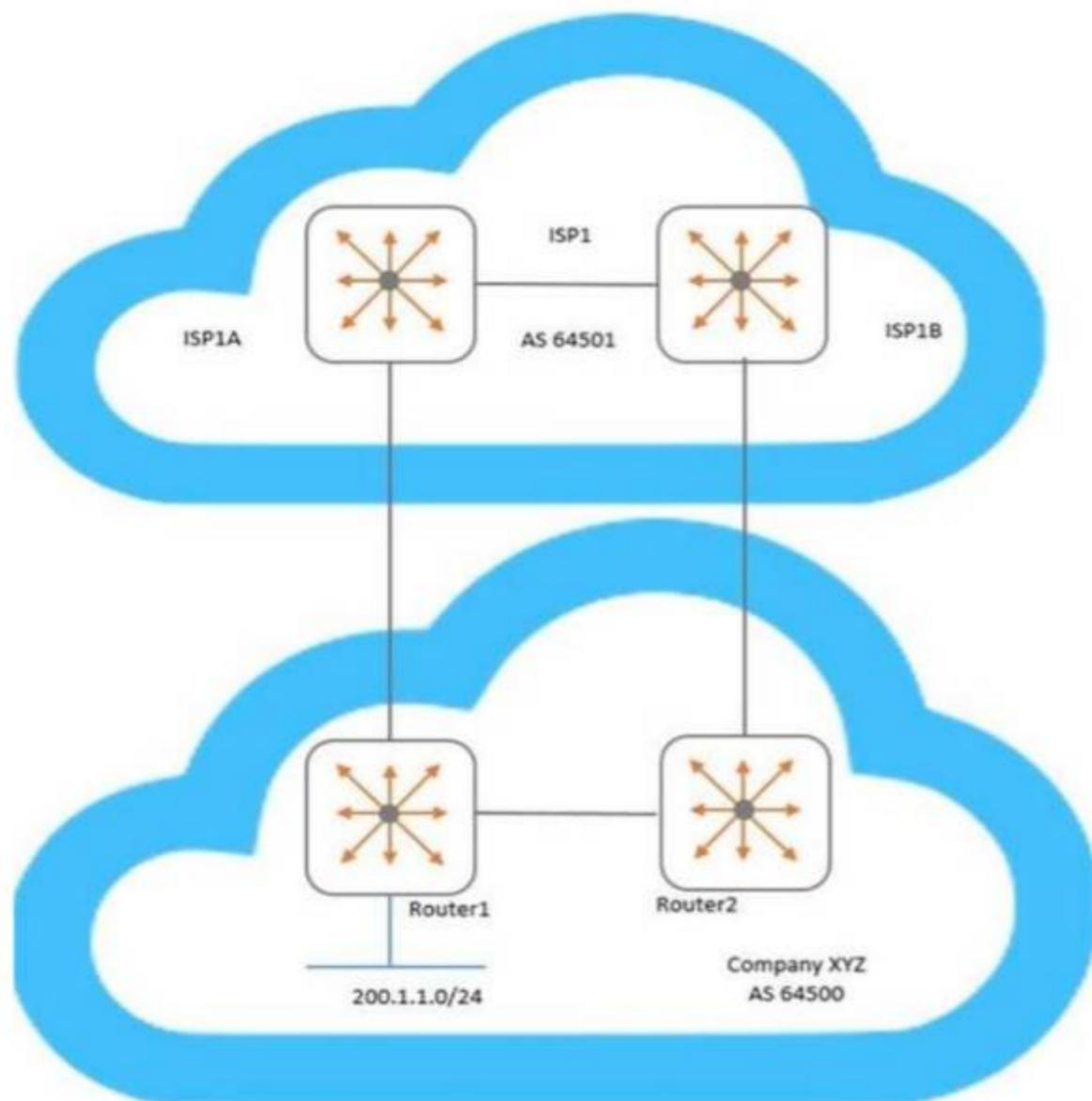
When an AOS-CX switch uses a temporary copy of the Configuration State database, what kind of analysis does NetEdit perform to ensure that the configuration is correct?

- A. Syntax validation  
B. Semantic validation  
C. Conformance validation  
D. Change validation

Answer: D

**NEW QUESTION 10**

Examine the network topology.



Company XYZ has two connections to a service provider (ISP1). Here is the configuration of Router1:

```
Router1(config)# ip prefix-list AS64500-routes permit 200.1.1.0/24
Router1(config)# route-map To-AS64501 permit seq 10
Router1(config-route-map)# match ip address prefix-list AS64500-routes
Router1(config-route-map)# set metric 100
Router1(config-route-map)# exit
Router1(config)# router bgp 64500
Router1(config-bgp)# address-family ipv4 unicast
Router1(config-bgp-ipv4-uc)# neighbor 192.168.1.1 route-map To-AS64501 out
```

Here is the configuration of Router2:

```
Router2(config)# ip prefix-list AS64500-routes permit 200.1.1.0/24
Router2(config)# route-map To-AS64501 permit seq 10
Router2(config-route-map)# match ip address prefix-list AS64500-routes
Router2(config-route-map)# set metric 200
Router2(config-route-map)# exit
Router2(config)# router bgp 64500
Router2(config-bgp)# address-family ipv4 unicast
Router2(config-bgp-ipv4-uc)# neighbor 192.168.2.1 route-map To-AS64501 out
```

Based on configuration of Router1 and Router2, which BGP metric is being manipulated?

- A. Weight
- B. Multiple exit discriminator
- C. Local preference
- D. AS path length

**Answer: B**

**NEW QUESTION 12**

A network has an ABR that connects area 0 and 1. A network engineer configures a summarized route for area 1. The ABR is a designated router (DR) for the segment it uses to connect to area 1.

Which LSA type is assigned to this route when the summarized route is advertised into area 1 by the ABR?

- A. LSA1
- B. LSA4

- C. LSA3
- D. LSA2

**Answer:** B

#### NEW QUESTION 15

Which concept is implemented using Aruba's dynamic segmentation?

- A. Root of trust
- B. Device fingerprinting
- C. Zero Touch Provisioning
- D. Colorless port

**Answer:** B

#### NEW QUESTION 17

An administrator wants to leverage always-on PoE on AOS-CX switches. Which statement is correct regarding this feature?

- A. Provides up to 60W of power per port
- B. Supports all AOS-CX switches
- C. Provides surge protection for PoE and non-PoE ports
- D. Requires NetEdit to implement

**Answer:** A

#### NEW QUESTION 21

A network engineer is examining NAE graphs from the Dashboard but notices that the time shown in the graph does not represent the current time. The engineer verifies that the AOS-CX switch is configured for NTP and is successfully synchronized. What should be done to fix this issue?

- A. Ensure the engineer's web browser is configured for the same timezone as the AOS-CX switch
- B. Ensure the engineer's PC is synchronized to the same NTP server as the AOS-CX switch
- C. Ensure NetEdit and the AOS-CX switch are synchronized to the same NTP server
- D. Enable trust settings for the AOS-CX switch's SSL certificate

**Answer:** C

#### NEW QUESTION 26

An administrator creates an ACL rule with both the "count" and "log" option enabled. What is correct about the action taken by an AOS-CX switch when there is a match on this rule?

- A. By default, a summarized log is created every minute with a count of the number of matches
- B. Logging will not include certificate and TLS events, but counting will
- C. The "count" and "log" options are processed by the AOS-CX switch's hardware ASIC
- D. The total in the "log" record and the count could contain different rule matching statistics

**Answer:** D

#### NEW QUESTION 30

Examine the commands entered on an AOS-CX switch:

```
switch(config)# pbr-action-list test1
switch(config-pbr-action-list-test1)# nexthop 1.1.1.1
switch(config-pbr-action-list-test1)# nexthop 2.2.2.2
switch(config-pbr-action-list-test1)# default-nexthop 9.9.9.9
switch(config-pbr-action-list-test1)# interface null
switch(config-pbr-action-list-test1)# exit
switch(config)# interface vlan 100
switch(config-if)# apply policy test1 routed-in
```

What is true regarding this configuration for traffic received on interface 100?

- A. The default next-hop address supersedes the two preceding next-hop addresses
- B. The traffic is always dropped if the next-hop addresses are unreachable
- C. The traffic will be routed with the IP routing table entries if the next-hop addresses are unreachable
- D. The next-hop address of 1.1.1.1 is overwritten by the next-hop address of 2.2.2.2

**Answer:** A

#### NEW QUESTION 34

An administrator implements interim accounting for guest users so that ClearPass can track the amount of bandwidth that guests upload and download. Guests that abuse bandwidth consumption should be disconnected from the network. The administrator configures the following on the AOS-CX access switches:

```
Access1(config)# ip dns host cppm.arubatraining.com 10.254.1.23 vrf mgmt
Access1(config)# radius-server host cppm.arubatraining.com key plaintext aruba123 vrf mgmt
Access1(config)# aaa group server radius cppm
Access1(config-sg)# server cppm.arubatraining.com vrf mgmt
Access1(config-sg)# exit
Access1(config)# aaa accounting port-access start-stop interim 5 group cppm
Access1(config)# radius dyn-authorization client cppm.arubatraining.com secret-key plaintext aruba123 vrf mgmt replay-
protection disable
```

After performing this configuration, the administrator notices that guest users that have exceeded the guest bandwidth limit are not being disconnected. Upon further investigation, Access Tracker in ClearPass indicates a disconnect CoA message is being sent to the AOS-CX switch. What is causing this issue?

- A. RADIUS change of authorization is not enabled on the AOS-CX switch.
- B. Bandwidth consumption of the guests is not being reported by the AOS-CX switch.
- C. NTP is not configured on the AOS-CX switch.
- D. There is a time discrepancy between the AOS-CX switch and ClearPass.

**Answer: A**

#### NEW QUESTION 39

Which statement is correct regarding ACLs and TCAM usage?

- A. Applying an ACL to a group of ports consumes the same resources as specific ACE entries
- B. Using object groups consumes the same resources as specific ACE entries
- C. Compression is automatically enabled for ASIC TCAMs on AOS-CX switches
- D. Applying an ACL to a group of VLANs consumes the same resources as specific ACE entries

**Answer: B**

#### NEW QUESTION 42

An administrator has an AOS-CX switch configured with:

```
router ospf 1
 area 0
 area 1 stub no-summary
```

It is the only ABR for area 1. The switch has the appropriate adjacencies to routing switches in areas 0 and 1. The current routes in each area are:

```
Area 0: 5 routes (LSA Type 1 and 2)
Area 1: 10 routes (LSA Type 1 and 2)
External routes: 2 (LSA Type 5)
```

Based on the above configuration, how many OSPF routes will routing switches see in Area 1?

- A. 15
- B. 6
- C. 11
- D. 12

**Answer: C**

#### NEW QUESTION 44

An administrator is replacing the current access switches with AOS-CX switches. The access layer switches must authenticate user and networking devices connecting to them. Some devices support no form of authentication, and some support 802.1X. Some ports have a VoIP phone and a PC connected to the same port, where the PC is connected to the data port of the phone and the phone's LAN port is connected to the switch.

Which statement is correct about this situation?

- A. 802.1X must be configured to work in fallback mode
- B. Device fingerprinting is required for authentication
- C. The client-limit setting for port access needs to be changed
- D. Device mode should be implemented

**Answer: C**

#### NEW QUESTION 46

What are best practices when implementing VSX on AOS-CX switches? (Choose two.)

- A. The ISL lag should use the default MTU size.
- B. Timers should be left at their default values.
- C. The default system MAC addresses should be used.
- D. The keepalive connection should use a direct layer-3 connection.
- E. The ISL lag should use at least 10GbE links or faster.

**Answer: BD**

#### NEW QUESTION 49

A network engineer is having a problem adding a custom-written script to an AOS-CX switch's NAE GUI. The script was written in Python and was successfully added on other AOS-CX switches. The engineer examines the following items from the CLI of the switch:

```
switch# show capacities-status nae
```

System Capacities Status: Filter NAE

Capacity Status Name	Value	Maximum
Number of configured NAE agents currently active in the system	1	100
Number of configured NAE monitors currently active in the system	7	500
Number of configured NAE scripts currently active in the system	50	50

```
switch# show ntp status
NTP Status Information
```

```
NTP : Disabled
NTP Authentication : Disabled
NTP Server Connections : Using the default VRF
```

```
System time : Sat May 2 11:50:55 UTC 2020
NTP uptime : 0 minutes, 0 seconds
```

Not synchronized with an NTP server.

```
switch# show crypto pki certificate
```

Certificate Name	Cert Status	Associated Applications
local-cert	installed	captive-portal, hsc, https-server,
syslog-client		

```
switch# show crypto pki application
```

Associated Applications	Certificate Name	Cert Status
captive-portal		not configured, using local-cert
hsc		not configured, using local-cert
https-server		not configured, using local-cert
syslog-client		not configured, using local-cert

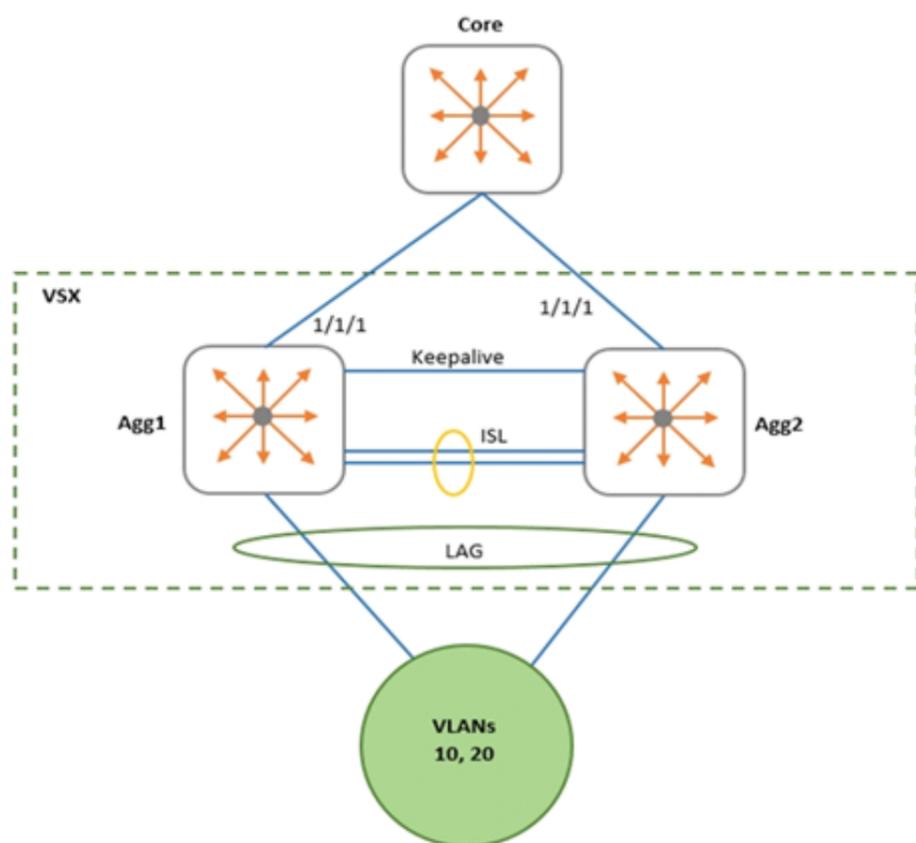
What should the engineer perform to fix this issue?

- A. Install the script's signature before installing the new script
- B. Ensure the engineer's desktop and the AOS-CX switch are synchronized to the same NTP server
- C. Enable trust settings for the AOS-CX switch's SSL certificate
- D. Remove a script that is no longer used before installing the new script

Answer: D

**NEW QUESTION 54**

Examine the network exhibit.



A network administrator is implementing OSPF on a VSX pair of aggregation switches: Agg1 and Agg2. VLANs 10 and 20 are connected to layer-2 access switches. Agg-1 and Agg-2 are configured as the default gateway for VLANs 10 and 20, with active gateway enabled. What is the best practice for configuring OSPF on the aggregation switches and their connection to the Core switch?

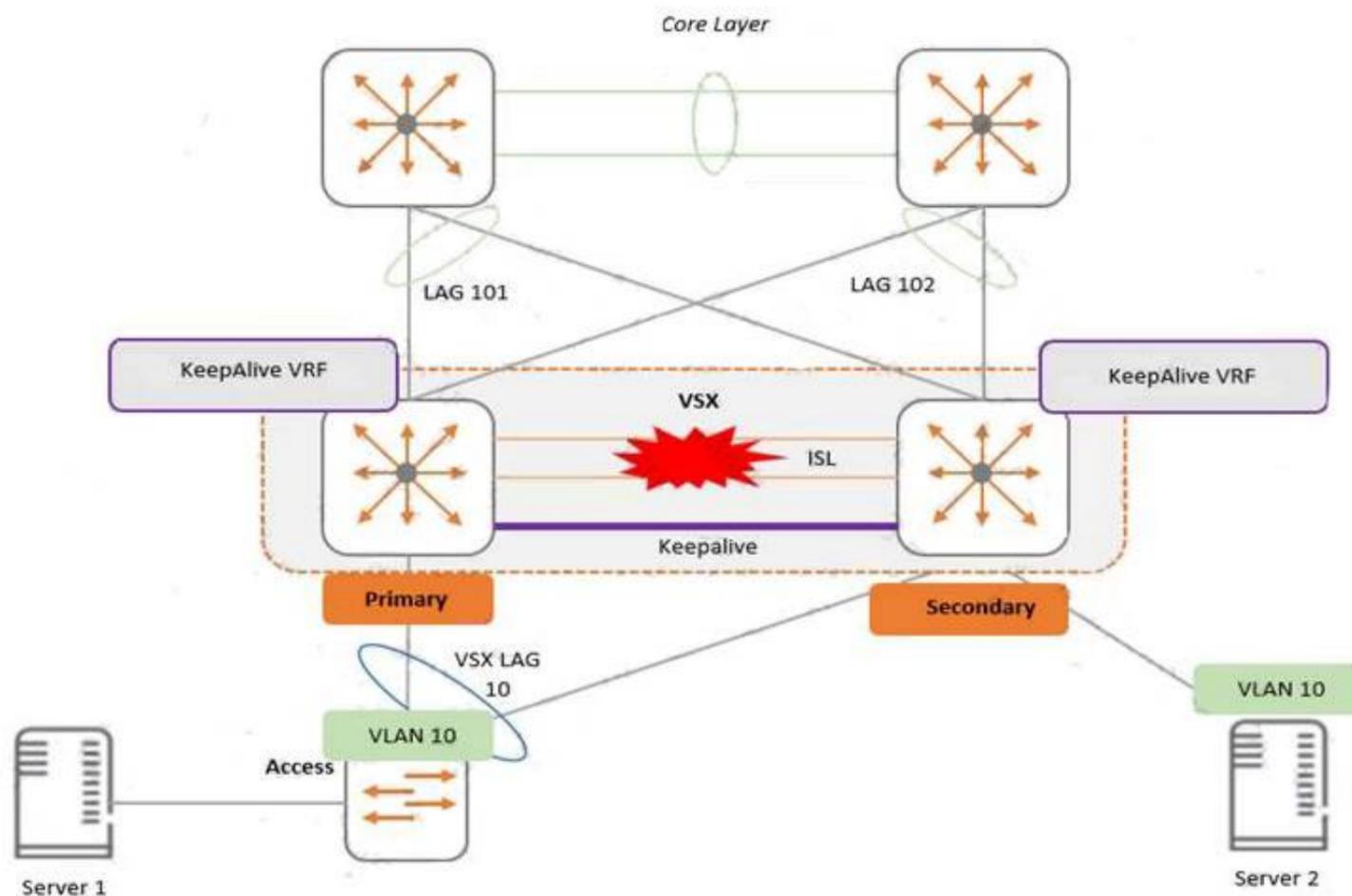
- A. Define a layer-2 VSX LAG associated with a layer-3 VLAN interface
- B. Enable active gateway for the Layer-3 VLAN.
- C. Define separate layer-3 VLAN interfaces between the aggregation and core switch

- D. Enable active forwarding for the Layer-3 VLAN.
- E. Define separate layer-3 VLAN interfaces between the aggregation and core switch
- F. Enable active gateway for the Layer-3 VLAN.
- G. Define a layer-2 VSX LAG associated with a layer-3 VLAN interface
- H. Enable active forwarding for the Layer-3 VLAN.

Answer: A

**NEW QUESTION 56**

Examine the attached diagram



Two AOS-CX switches are configured for VSX at the access layer, where servers attached to them. An SVI interface is configured for VLAN 10 and serves as the default gateway for VLAN 10. The ISL link between the switches fails, but the keepalive interface functions. Active gateway has been configured on the switches. What is correct about access from the servers to the Core?

- A. Server 2 can successfully access the core layer via the keepalive link.
- B. Server 1 and Server 2 can communicate with each other via the core layer.
- C. Server 2 cannot access the core layer.
- D. Server 1 can access the core layer via both uplinks.

Answer: D

**NEW QUESTION 58**

A company has an existing wireless solution involving Aruba APs and Mobility controllers running 8.4 code. The solution leverages a third-party AAA solution. The company is replacing existing access switches with AOS-CX 6300 and 6400 switches. The company wants to leverage the same security and firewall policies for both wired and wireless traffic. Which solution should the company implement?

- A. RADIUS dynamic authorization
- B. Downloadable user roles
- C. IPSec
- D. User-based tunneling

Answer: D

**NEW QUESTION 61**

An administrator is implementing a multicast solution in a multi-VLAN network. Which statement is true about the configuration of the switches in the network?

- A. IGMP snooping must be enabled on all interfaces on a switch to intelligently forward traffic
- B. IGMP requires join and leave messages to graft and prune multicast streams between switches
- C. IGMP must be enabled on all routed interfaces where multicast traffic will traverse
- D. IGMP must be enabled on all interfaces where multicast sources and receivers are connected

Answer: B

**NEW QUESTION 63**

The company has just upgraded their access layer switches with AOS-CX switches and implemented an AAA solution with ClearPass. The company has become concerned about what actually connects to the user ports on the access layer switch, Therefore, the company is implementing 802.1X authentication on the AOS-CX switches. An administrator has globally enabled 802.1X, and has enabled it on all the access ports connected to user devices, including VoIP phones, security

cameras, and wireless Aruba IAPs. Wireless users are complaining that they successfully authenticate to the IAPs; however, they do not have access to network resources. Previously, this worked before 802.1X was implemented on the AOS-CX switches. What should the company do to solve this problem?

- A. Implement device-based mode on the IAP-connected AOS-CX switch ports.
- B. Implement local user roles and local forwarding on the AOS-CX switches.
- C. Implement downloadable user roles and user-based tunneling (UBT) on the AOS-CX switches.
- D. Implement AAA RADIUS change of authorization on the AOS-CX switches.

**Answer: C**

#### NEW QUESTION 66

What is correct regarding the operation of VSX and multicasting with PIM-SM routing configured?

- A. Each VSX peers runs PIM and builds its own group databas
- B. One of the VSX peers is elected as the designated router (DR) to forward multicast streams to a receiver VLAN
- C. Each VSX peers runs PIM and creates a shared group databas
- D. Both VSX peers can forward multicast streams to receivers in a VLAN, achieving load sharing
- E. Each VSX peers runs PIM and builds its own group databas
- F. Both VSX peers can forward multicast streams to receivers in a VLAN, achieving load sharing
- G. Each VSX peers runs PIM and creates a shared group databas
- H. One of the VSX peers is elected as the designated router (DR) to forward multicast streams to a receiver VLAN

**Answer: A**

#### NEW QUESTION 68

When comparing PIM-DM and PIM-SM, which multicast components are only found with PIM-SM in multicast routing? (Choose two.)

- A. IGMP querier
- B. Rendezvous point
- C. Bootstrap router
- D. Shortest path tree
- E. Designated router

**Answer: BD**

#### NEW QUESTION 73

A network administrator is implementing a configuration plan in NetEdit. The administrator used NetEdit to push the configuration plan to the switch. Which option in the NetEdit planning section should the administrator select to save the configuration running on the switch to the startup-config?

- A. EDIT
- B. VALIDATE
- C. COMMIT
- D. DEPLOY

**Answer: C**

#### NEW QUESTION 75

A company is implementing AOS-CX switches at the access layer. The company wants to implement access control for employees and guests. Which security features will require a ClearPass server to be installed and used by the company?

- A. Downloadable user roles
- B. Dynamic segmentation
- C. User-based tunneling (UBT)
- D. Change of authorization (CoA)

**Answer: B**

#### NEW QUESTION 76

Examine the AOS-CS switch output:

```
Switch# show aaa authentication port-access interface 1/1/1 client-status
```

```
Port Access Client Status Details
```

```
Client 00:50:56:b1:7a:37, icx-employee
```

```
Session Details
```

---

```
Port      : 1/1/3  
Session Time : 31273s
```

```
Authentication Details
```

---

```
Status      : dot1x Authenticated  
Auth Precedence : dot1x - Authenticated, mac-auth - Not attempted
```

```
Authorization Details
```

---

```
Role       : aruba_contractor-3044-7  
Status     : Applied
```

Based on this output, what is correct?

- A. 802.1X authentication was successful, but MAC authentication is yet to start
- B. 802.1X authentication occurred and downloadable user roles are deployed
- C. A local user role was deployed using a ClearPass solution
- D. Only 802.1X authentication is configured on the port

**Answer: B**

#### NEW QUESTION 81

What is required when implementing captive portal on AOS-CX switches?

- A. Certificate installed on the switch
- B. Web server running on the switch
- C. Device fingerprinting
- D. AAA server

**Answer: D**

#### NEW QUESTION 82

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