



HP

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

An administrator is managing a pair of core AOS-CX switches configured for VSX. Connected to this core are pairs of aggregation layer AOS-CX switches configured for VSX. OSPF is running between the aggregation and core layers. To speed up OSPF convergence, the administrator has configured BFD between the core and aggregation switches.

What is a best practice the administrator should implement to reduce CPU processing on the switches if a BFD neighbor fails?

- A. Disable ICMP redirects
- B. Implement graceful restart
- C. Increase the BFD echo timers
- D. Increase the VSX keepalive timer

Answer: A

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

Examine the following AOS-CX configuration:

```
Switch(config)# class ip IoT-traffic
Switch(config-class-ip)# match ip 192.168.0.0/16 any
Switch(config-class-ip)# exit
Switch(config)# pbr-action-list reroute
Switch(config-prb-action-list)# default-nexthop 10.100.1.2
Switch(config-prb-action-list)# exit
Switch(config)# policy IoT-policy
Switch(config-policy)# class ip IoT-traffic action pbr reroute
Switch(config-policy)# exit
Switch(config)# interface vlan 999
Switch(config-if)# apply policy IoT-policy routed-in
Switch(config-if)# exit
```

Based on this configuration, which statement is correct regarding IoT traffic?

- A. If 10.100.1.2 is not reachable, the IoT traffic will be automatically dropped by the switch
- B. If a specific route is not available in the routing table, the traffic will be routed to 10.100.1.2
- C. The next hop of 10.100.1.2 can be one or more hops away from the AOS-CX switch
- D. All routes are ignored in the routing table for IoT traffic, which is routed to 10.100.1.2

Answer: B

NEW QUESTION 5

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 6

How does PIM build the IP multicast routing table to route traffic between a multicast source and one or more receivers?

- A. It uses the unicast routing table and reverse path forwarding (RPF)
- B. It uses IGMP and calculates a shortest path tree (SPT)
- C. It uses the shortest path first (SPF) algorithm derived from link state protocols
- D. It uses the Bellman-Ford algorithm derived from distance vector protocols

Answer: A

NEW QUESTION 7

An administrator has an aggregation layer of 8325CX switches configured as a VSX pair. The administrator is concerned that when OSPF network changes occur, the aggregation switches will respond to the changes slowly, and this will affect network connectivity, especially VoIP calls, in the connected access layer switches. What should the administrator do on the aggregation layer switches to alleviate this issue?

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- A. Implement route aggregation
- B. Implement bidirectional forwarding detection (BFD)
- C. Reduce the hello and dead interval timers
- D. Implement graceful restart

Answer: B

NEW QUESTION 8

Examine the following ACL rule policies:

Permit traffic from 10.2.2.1 through 10.2.2.30 to anywhere

Permit traffic from 10.2.2.40 through 10.2.2.55 to anywhere

Deny all others

Based on this policy, place the following ACL rule statements in the correct order to accomplish the above filtering policy.

- A. deny ip 10.2.2.31 255.255.255.255 anypermit ip 10.2.2.40 255.255.255.248 anypermit ip 10.2.2.48 255.255.255.248 anydeny ip 10.2.2.32 255.255.255.224 anypermit ip 10.2.2.0 255.255.255.192 any
- B. permit ip 10.2.2.40 255.255.255.248 anypermit ip 10.2.2.48 255.255.255.248 anypermit ip 10.2.2.0 255.255.255.192 anydeny ip 10.2.2.31 255.255.255.255 anydeny ip 10.2.2.32 255.255.255.224 any
- C. deny ip 10.2.2.31 255.255.255.255 anydeny ip 10.2.2.32 255.255.255.224 anypermit ip 10.2.2.40 255.255.255.248 anypermit ip 10.2.2.48 255.255.255.248 anypermit ip 10.2.2.0 255.255.255.192 any
- D. deny ip 10.2.2.31 255.255.255.255 anypermit ip 10.2.2.40 255.255.255.248 anydeny ip 10.2.2.32 255.255.255.224 anypermit ip 10.2.2.48 255.255.255.248 anypermit ip 10.2.2.0 255.255.255.192 any

Answer: A

NEW QUESTION 9

A network administrator is attempting to troubleshoot a connectivity issue between a group of users and a particular server. The administrator needs to examine the packets over a period of time from their desktop; however, the administrator is not directly connected to the AOS-CX switch involved with the traffic flow. What is correct regarding the ERSPAN session that needs to be established on an AOS-CX switch? (Choose two.)

- A. On the source AOS-CX switch, the destination specified is the switch to which the administrator's desktop is connected
- B. On the source AOS-CX switch, the destination specified is the administrator's desktop
- C. The encapsulation protocol used is GRE
- D. The encapsulation protocol used is VXLAN
- E. The encapsulation protocol is UDP

Answer: AC

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

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 12

What is correct regarding the tunneling of user traffic between AOS-CX switches and Aruba Mobility Controllers (MCs)?

- A. Uses IPSec to protect the management and data traffic
- B. Uses IPSec to protect the management traffic
- C. Supports only port-based tunneling
- D. Uses the same management protocol as Aruba APs

Answer: D

NEW QUESTION 14

An administrator in a company of 349 users has a pair of AOS-CX switches with connections to external networks. Both switches are configured for OSPF. The administrator wants to import external routes on both switches, but assigns different seed metrics to the routes, as well as imports them as external type-1 routes. What is the best way for the administrator to accomplish this?D18912E1457D5D1DDCBD40AB3BF70D5D

- A. Create a route map with the correct route type and metrics
- B. Define the route type and metrics in the OSPF process
- C. Create a classifier policy with the correct route type and metrics
- D. Define a class and policy map with the correct route type and metrics

Answer: A

NEW QUESTION 15

A company has just purchased AOS-CX switches. The company has a free and open-source AAA solution. The company wants to implement access control on the Ethernet ports of the AOS-CX switches.

Which security features can the company implement given the equipment that they are using?

- A. Port-based tunneling
- B. Device fingerprinting
- C. Local user roles
- D. Downloadable user roles

Answer: D

NEW QUESTION 20

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 24

A company uses NetEdit to manage a network of 700 AOS-CX switches and approximately 1,000 other SNMP-capable devices.

Which management solution should the company use to monitor all the devices, as well as see a topology picture of how all the devices are connected together?

- A. NetEdit
- B. Aruba AirWave
- C. Aruba Activate
- D. Network Analysis Engine (NAE)

Answer: A

NEW QUESTION 28

What is a best practice concerning voice traffic and dynamic segmentation on AOS-CX switches?

- A. Controller authentication and user-based tunneling of the voice traffic
- B. Switch authentication and user-based tunneling of the voice traffic
- C. Controller authentication and port-based tunneling of the voice traffic
- D. Switch authentication and local forwarding of the voice traffic

Answer: C

NEW QUESTION 31

Examine the configuration performed on newly deployed AOS-CX switches:


```
Switch(config)# radius-server host cppm key plaintext aruba123 vrf mgmt
Switch(config)# aaa authentication port-access dot1x authenticator radius server-group cppm
Switch(config)# aaa authentication port-access dot1x authenticator enable
Switch(config)# interface 1/1/1 – 1/1/48
Switch(config-if)# aaa authentication port-access dot1x authenticator
Switch(config-if-dot1x-auth)# enable
Switch(config-if-dot1x-auth)# exit
Switch(config-if)# exit
```

After performing this configuration, the administrator notices that the switch ports always remain in the EAP start state. What should the administrator do to fix this problem?

- A. Define the server group cppm
- B. Set the ports to client-mode
- C. Create and assign a local user role to the ports
- D. Enable change of authorization (CoA)

Answer: D

NEW QUESTION 36

A network has two AOS-CX switches connected to two different service providers. The administrator is concerned about bandwidth consumption on the service provider links and learned that the service providers were using the company as a transit AS.

Which feature should the administrator implement to prevent this situation?

- A. Configure route maps and apply them to BGP
- B. Configure the two switches as route reflectors
- C. Configure a classifier policy to disable MED
- D. Configure bi-directional forwarding detection on both switches

Answer: A

NEW QUESTION 39

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 43

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

A network engineer for a company with 896 users across a multi-building campus wants to gather statistics on an important switch uplink and create actions based on issues that occur on the uplink. How often does an NAE agent gather information from the current state database in regard to the uplink interfaces?

- A. Once every 60 seconds
- B. Once every 1 second
- C. Once every 30 seconds
- D. Once every 5 seconds

Answer: D

NEW QUESTION 51

How should a network administrator add NAE scripts and implement NAE agents that will run on an AOS-CX switch?

- A. Use the web interface of the NetEdit server
- B. Use the web interface of the AOS-CX switch
- C. Use the web interface of Aruba Central
- D. Use the CLI of the AOS-CX switch

Answer: B

NEW QUESTION 53

A network administrator is installing NetEdit. In order for NetEdit to manage the AOS-CX switches in the network, what must be defined on the AOS-CX switches? (Choose two.)

- A. Enabling telnet
- B. Defining an admin user password
- C. Defining the https user-group
- D. Enabling the RESTful API for read and write access
- E. Enabling SFTP

Answer: BD

NEW QUESTION 55

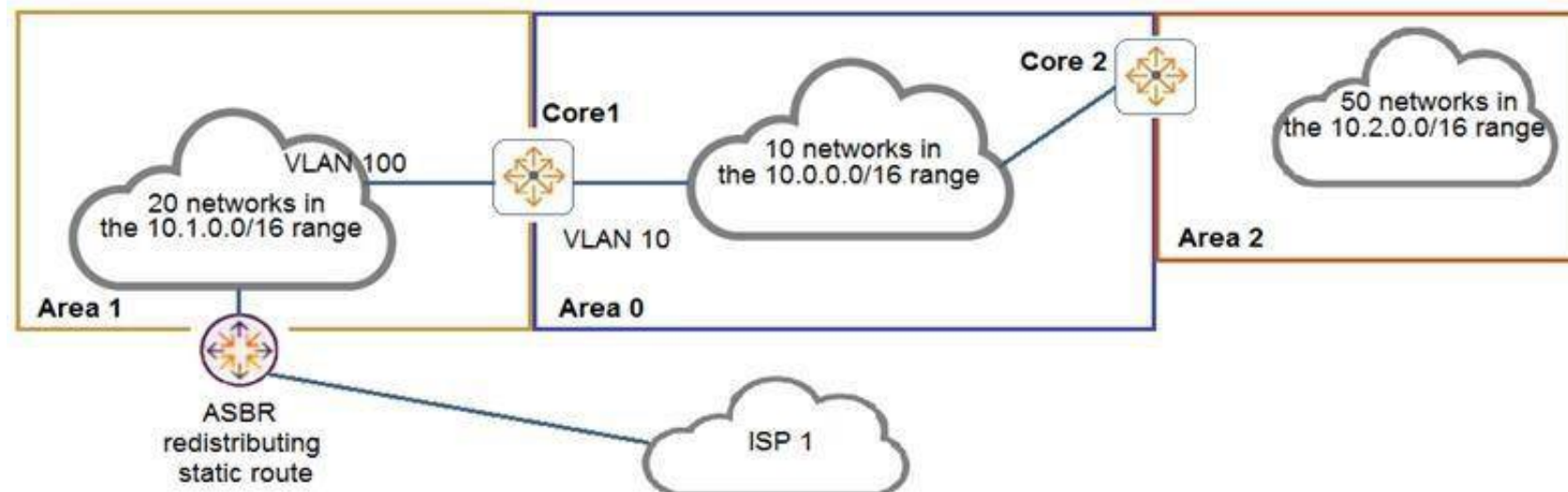
What are best practices when implementing VSX on AOS-CX switches? (Choose two.)

- 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 60

Examine the network topology.



The network is configured for OSPF with the following attributes:

Core1 and Core2 and ABRs

Area 1 has 20 networks in the 10.1.0.0/16 range

Area 0 has 10 networks in the 10.0.0.0/16 range

Area 2 has 50 networks in the 10.2.0.0/16 range

The ASBR is importing a static route into Area 1

Core2 has a summary for Area 2: area 0.0.0.2 range 10.2.0.0/16 type inter-area

Here is the OSPF configuration performed on Core1:

```
Core1(config)# router ospf 1
Core1(config-router)# router-id 10.0.0.1
Core1(config-router)# passive-interface default
Core1(config-router)# area 0.0.0.0
Core1(config-router)# area 0.0.0.1 stub
Core1(config-router)# area 0.0.0.1 range 10.1.0.0/16 type inter-area
Core1(config-router)# area 0.0.0.2
Core1(config-router)# area 0.0.0.0 range 10.0.0.0/16 type inter-area
Core1(config-router)# exit
Core1(config)# interface vlan 10
Core1(config-if)# ip address 10.0.1.1/24
Core1(config-if)# ip ospf 1 area 0
Core1(config-if)# exit
Core1(config)# interface vlan 100
Core1(config-if)# ip address 10.1.1.1/24
Core1(config-if)# ip ospf 1 area 1
Core1(config-if)# exit
```

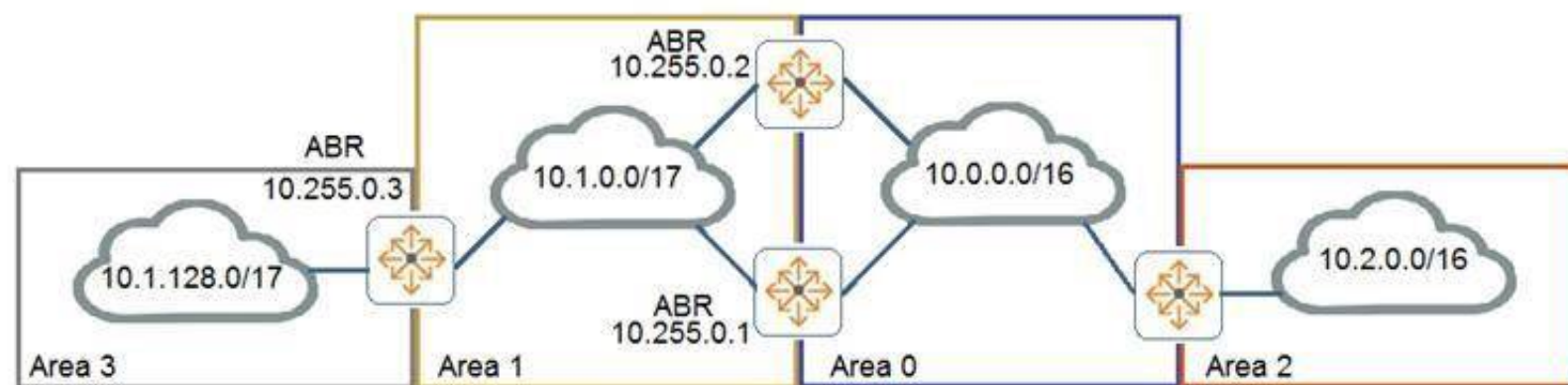
Based on the above information, what is correct?

- A. Area 0 has 13 routes
- B. Core1 has no OSPF routes
- C. Core1 has received one LSA Type 5 from the ASBR
- D. Area 1 has 23 routes

Answer: D

NEW QUESTION 63

Examine the attached exhibit.



The network administrators is trying to add a remote location as area 3 to the network shown in the diagram. Based on current connection restrictions, the administrator cannot connect area 3 directly to area 0. The network is using AOS-CX switches. Which feature should the administrator implement to provide connectivity to the remote location?

- A. Not-so-stubby areas
- B. Bidirectional forward detection (BFD)
- C. OSPFv3
- D. Virtual links

Answer: D

NEW QUESTION 68

A company has implemented 802.1X authentication on AOS-CX access switches, where two ClearPass servers are used to implement AAA. Each switch has the two servers defined. A network engineer notices the following command configured on the AOS-CX switches:

```
radius-server tracking user-name monitor password plaintext aruba123
```

What is the purpose of this configuration?

- A. Implement replay protection for AAA messages
- B. Define the account to implement downloadable user roles
- C. Speed up the AAA authentication process
- D. Define the account to implement change of authorization

Answer: D

Explanation:

https://techhub.hpe.com/eginfolib/networking/docs/switches/K-KA-KB/16-01/5200-0122_access_security_guide/content/ch09s02.html

NEW QUESTION 71

Examine the output from an AOS-CX switch implementing a dynamic segmentation solution involving downloadable user roles:

```
Switch# show port-access role clearpass
```

Role information:

Name : icxarubadur_employee-3044-2

Type : clearpass

Status: failed, parsing_failed

Reauthentication Period :

Authentication Mode :

Session Timeout :

The downloadable user roles are not being downloaded to the AOS-CX switch. Based on the above output, what is the problem?

- A. The certificate that ClearPass uses is invalid
- B. The AOS-CX switch does not have the ClearPass certificate involved
- C. DNS fails to resolve the ClearPass server's FQDN
- D. There is a date/time issue between the ClearPass server and the switch

Answer: C

NEW QUESTION 76

What is correct regarding the configuration of ACLs on AOS-CX switches?

- A. Statements with the log keyword are always processed by the switch CPU.
- B. Standard ACLs are used to match on routes when performing route distribution.
- C. Wildcard masks are used to match on a range of IP addresses.
- D. Numbers 100 through 199 and 2000 through 2999 are used when creating extended ACLs.

Answer: C

NEW QUESTION 78

A network administrator needs to replace an antiquated access layer solution with a modular solution involving AOS-CX switches. The administrator wants to leverage virtual switching technologies. The solution needs to support high-availability with dual-control planes.

Which solution should the administrator implement?

- A. AOS-CX 8325
- B. AOS-CX 6300
- C. AOS-CX 6400
- D. AOS-CX 8400

Answer: C

NEW QUESTION 82

A company requires access by all users, guests, and employees to be authenticated. Employees will be authenticated using 802.1X, whereas guests will be authenticated using captive portal. Which type of authentication must be configured on an AOS-CX switch ports where both guests and employees connect?

- A. Both 802.1X and captive portal
- B. 802.1X only
- C. Both 802.1X and MAC-Auth
- D. 802.1X, captive portal, and MAC-Auth

Answer: C

NEW QUESTION 85

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 87

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 90

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