

HP

Exam Questions HPE6-A73

Aruba Certified Switching Professional Exam



NEW QUESTION 1

A network engineer is using NetEdit to manage AOS-CX switches. The engineer notices that a lot of thirdparty VoIP phones are showing up in the NetEdit topology. The engineer deletes these, but they are automatically rediscovered by NetEdit and added back in. What should the administrator do to solve this problem?

- A. Change the VoIP phone SNMP community string to something unknown by NetEdit
- B. Disable LLDP globally on the AOS-CX switches where phones are connected
- C. Disable SSH access on all the VoIP phones
- D. Disable the RESTful API on all the VoIP phones

Answer: A

Explanation:

"NetEdit will now also discover and display third-party devices that are using the standard MIB's. Using SNMP with NetEdit, administrators can also enter SSH credentials for third-party devices.

NEW QUESTION 2

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-lldp-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 3

An administrator is looking for a data center switching solution that will greatly reduce the likelihood of dropped frames when uplink congestion is experienced. Which AOS-CX switch queuing feature meets the administrator's needs?

- A. FIFO
- B. VOQ
- C. WFQ
- D. DWRR

Answer: B

NEW QUESTION 4

Which protocol does NetEdit use to discover devices in a subnet during the discovery process?

- A. LLDP
- B. ARP
- C. DHCP
- D. ICMP

Answer: A

NEW QUESTION 5

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 6

What is correct regarding policy-based routing?

- A. Policies can only be applied to routed interfaces.
- B. Policies can be applied inbound and outbound.

- C. Monitoring of policy interfaces occurs every 60 seconds.
- D. Policy actions include routing permitting or dropping traffic.

Answer: A

NEW QUESTION 7

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

Explanation:

"PIM also relies on the unicast routing tables to identify the path back to a multicast source. This routing method is known as reverse path forwarding (RPF). The unicast routing protocols create the unicast routing tables. With this information, PIM sets up the distribution tree for the multicast traffic.

NEW QUESTION 8

An administrator will be implementing tunneling between AOS-CX switches and Aruba gateways. Which list of protocols must minimally be allowed by an intermediate firewall between two sets of devices?

- A. IP protocol 50 and UDP 8209
- B. UDP 4500 and IP protocol 47
- C. UDP 8211 and IP protocol 47
- D. UDP 4500 and UDP 8209

Answer: C

Explanation:

ACSP Study Guide Page 788 - Allow the following protocols/ports

- PAPI: UDP 8211
- GRE: Protocol 47

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: BC

Explanation:

ACSP Study Guide Page 66 - Key Features (Transfer files between the switch and your mobile device)

NEW QUESTION 10

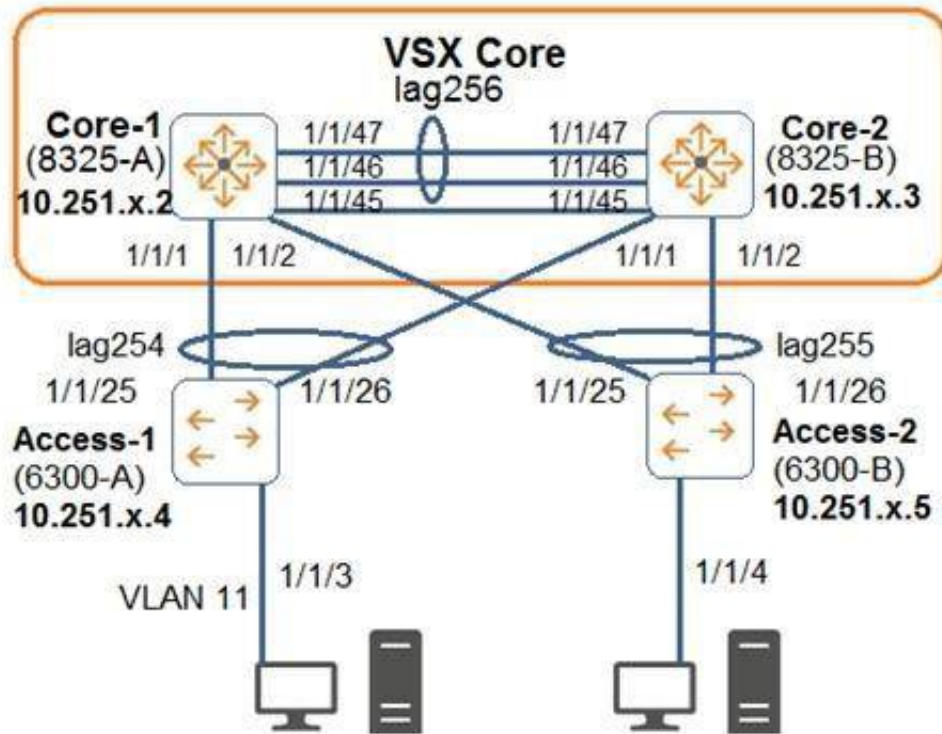
An administrator of a large campus network needs a solution that will provide root cause analytics to quickly identify problems so that they can quickly be fixed. Which AOS-CX switch feature should the administrator utilize to help with root cause analytics?

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

Answer: A

NEW QUESTION 10

Examine the attached diagram.



The two PCs are located in VLAN 11 (10.1.11.0/24). Which example defines how to implement active gateway on the VSX core for VLAN 11?

- A. interface vlan 11 active-gateway ip 10.1.11.1 active-gateway mac 02:02:00:00:01:00
- B. interface lag 254 active-gateway vlan 11 ip 10.1.11.1 active-gateway vlan 11 mac 02:02:00:00:01:00
- C. interface lag 254 active-gateway ip 10.1.11.1 active-gateway mac 02:02:00:00:01:00
- D. vsxvrrp group 1

Answer: A

NEW QUESTION 13

What would prevent two OSPF routers from forming an adjacency? (Select two.)

- A. Different priorities
- B. Different area types
- C. Different MTU sizes
- D. Different IP addresses
- E. Different router IDs

Answer: BC

NEW QUESTION 14

An administrator will be deploying NetEdit to manage an Aruba solution. What does NetEdit support?

- A. Manages AOS-CX switches and Aruba gateways
- B. Support for Aruba-supplied security updates
- C. Tracks configuration and hardware information
- D. Can be purchased as a VM and/or hardware appliance

Answer: A

NEW QUESTION 16

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 20

An administrator will be replacing a campus switching infrastructure with AOS-CX switches that support VSX capabilities. The campus involves a core, as well as multiple access layers. Which feature should the administrator implement to allow both VSX-capable core switches to process traffic sent to the default gateway in the campus VLANs?

- A. VRF
- B. VRRP
- C. IP helper
- D. Active gateway

Answer: D

Explanation:

Active gateway = both devices route/forward traffic VRRP = Active-standby, only active member routes/forwards traffic
 Understand the Active Gateway principle In a VSX system, active gateway provides redundant default gateway functionality for the end-hosts. The default gateway of the end-host is automatically handled by both the VSX systems.

NEW QUESTION 22

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 27

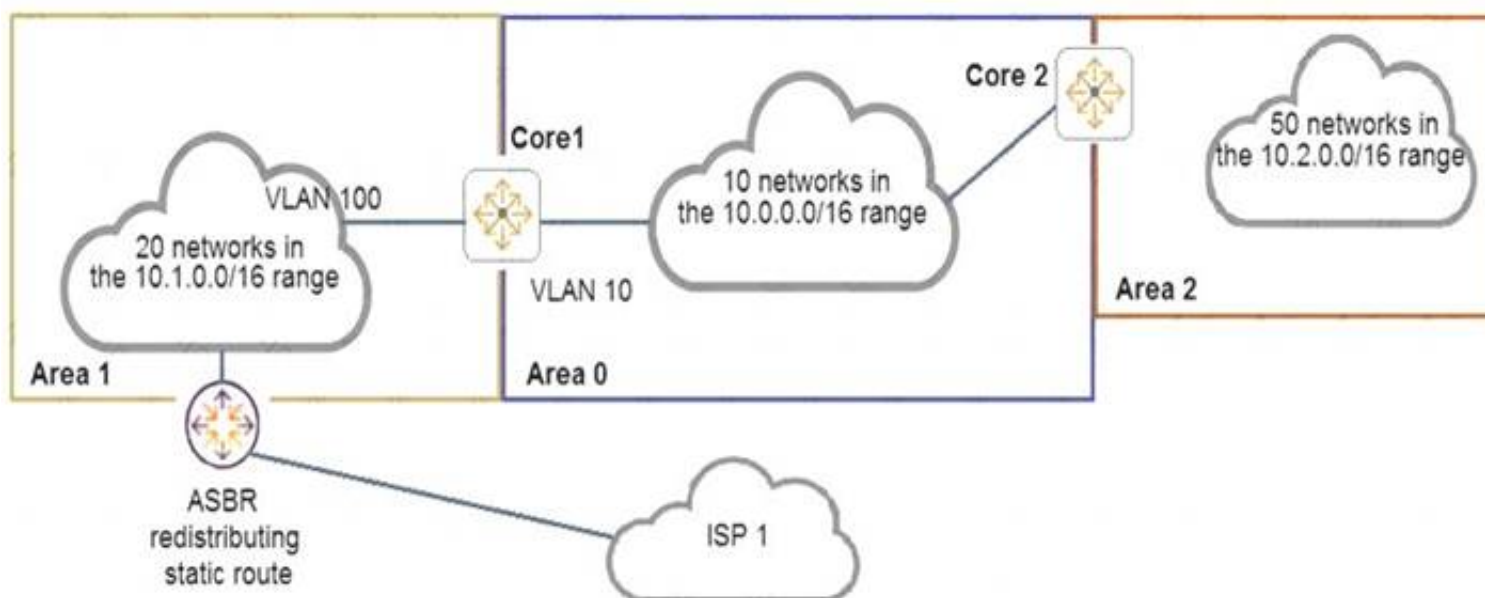
An administrator in a company of 349 users has a pair of AOS-CX switches with connections to external networks. Both switches are configured for OSPF. The administrator wants to import external routes on both switches, but assigns different seed metrics to the routes, as well as imports them as external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

- 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 29

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:

```
router ospf 1
  router-id 10.0.0.1
  area 0.0.0.0
  area 0.0.0.1 stub
  area 0.0.0.1 range 10.1.0.0/16 type inter-area
  area 0.0.0.2
  area 0.0.0.0 range 10.1.0.0/16 type inter-area
  exit
interface vlan 10
  ip ospf 1 area 0
  exit
interface vlan 100
  ip ospf 1 area 1
  exit
```

Based on the above information, what is correct?

- A. ISP 1 is not reachable from any area.
- B. Core1 has received one type 5 LSA from the ASBR.
- C. Area 0 has 81 routes

D. Area 1 has 23 routes

Answer: C

NEW QUESTION 32

Examine the partial output of the BGP routing table of an AOS-CX switch:

Switch# show bgp

<-output omitted->

Network	Nexthop	Metric	LocPrf	Weight	Path
* e 1.0.0.0/8	192.168.1.5	0	100	0	100 ?
* e 1.0.0.0/8	192.168.2.5	0	100	0	200 100 i
* e 1.0.0.0/8	192.168.3.5	0	200	20	300 400 100 ?
* e 1.0.0.0/8	192.168.4.5	0	50	0	400 200 100 i

The switch is learning about four possible path to reach the 1.0.0.0/8 network. Based on this output, which next-hop route will the AOS-CX select to be placed in the IP routing table?

- A. 192.168.1.5
- B. 192.168.2.5
- C. 192.168.3.5
- D. 192 1684 5

Answer: C

NEW QUESTION 33

An administrator wants to use an existing Aruba gateway's firewall policies to filter both wireless and wired traffic. Which AOS-CX switch feature should a customer implement to ensure the gateway applies the same or similar firewall policies to users' wired and wireless traffic?

- A. GRE tunneling
- B. User-based tunneling
- C. Port-based tunneling
- D. IPSec tunneling

Answer: A

NEW QUESTION 36

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

Explanation:

"The top-right example shows a parsing_failed status, typically indicative of either a DNS or network connectivity issue."

NEW QUESTION 39

An administrator is designing an access layer solution in a data center. A key requirement is to dual-home mission-critical server connections to two different switches, ensuring that the servers always have network access, even during switch software upgrades. This feature should support strictly-controlled provisioning. What would best meet the administrator's needs when deploying AOS-CX switches?

- A. VSF
- B. Dynamic segmentation
- C. VSX
- D. NAE

Answer: C

NEW QUESTION 40

A company is implementing a new wireless design and needs it to support high availability, even during times of switch system upgrades. The solution will involve Aruba Mobility Controller (MC) and Aruba AP connections requiring POE. Which campus AOS-CX switch solution and virtual switching should the company implement at the campus access layer?

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

Answer: A

Explanation:

only 6400 support highly available during upgrades

NEW QUESTION 44

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: D

NEW QUESTION 45

Examine the commands entered on an AOS-CX switch:

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: C

Explanation:

"interface null: equivalent to the policy drop policing action. Any packets matching the class criteria for that policy entry will be dropped and not routed any further."

<https://www.arubanetworks.com/techdocs/AOS-CX/10.05/HTML/5200-7300/index.html#GUID-DC7E5E47-8F>

More than one next hop can be assigned with an ACL and they work by priority (based on the sequence number: lower sequence number -> higher priority). So next-hop 2.2.2.2 will be used if 1.1.1.1 is not reachable. If both are unreachable, then the packet will be routed looking at the default routing table, if no specific entry will be found, then the packet will be routed to the default next hop defined in the ACL.

NEW QUESTION 49

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 50

An administrator wants to leverage the Network Analysis Engine (NAE) feature on AOS-CX switches to perform root cause analysis and to assist in quickly identifying problems. Which two AOS-CX databases does the administrator have access to when implementing scripts? (Select two.)

- A. Time-series
- B. API
- C. VSX
- D. Configuration
- E. Audit

Answer: AC

NEW QUESTION 53

A company has recently purchased a ClearPass AAA solution. Their network consists of AOS-CX switches at the access layer. The company is implementing a rollout of IoT devices for smart building management to control the lighting and HVAC systems. The network administrator is concerned about allowing secure access to these devices since they only support MAC-Auth.

Which ClearPass feature should the administrator leverage to help determine that MAC address spoofing is not occurring for this group of devices?

- A. User-based tunneling
- B. Device fingerprinting
- C. RADIUS change of authorization
- D. Downloadable user roles

Answer: B

NEW QUESTION 54

How is NetEdit installed at a customer location?

- A. Via an Aruba NetEdit hardware appliance
- B. Via a DVD using a virtualized platform like Microsoft's Hyper-V
- C. Via the Aruba Central cloud solution
- D. Via an OVA file and a virtualized platform like VMware's ESXi

Answer: D

NEW QUESTION 58

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 61

An administrator has configured the following on an AOS-CX switch:

```
object-group ip address web-servers
 10.1.12.2
 10.1.12.3
exit
object-group port web-ports
eq 80
eq 443
```

What is the correct ACL rule configuration that would allow traffic from anywhere to reach the web ports on the two specified servers?

- A. access-list ip server 10 permit tcp any web-servers group web-ports
- B. access-list ip server 10 permit tcp any object-group web-servers object-group web-ports
- C. access-list ip server 10 permit tcp any group web-servers group web-ports
- D. access-list ip server 10 permit tcp any web-servers web-ports

Answer: A

Explanation:

```
Switch1(config-acl-ip)# show run cur access-list ip server
10 permit tcp any web-servers group web-ports
```

NEW QUESTION 62

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 66

When implementing user-based tunneling on an AOS-CX switch, which component defines the primary and backup Aruba gateways?

- A. Transit VLAN
- B. Gateway role
- C. Server group
- D. Zone

Answer: D

NEW QUESTION 69

Which AOS-CX feature is used to prevent head-on-line (HOL) blocking?

- A. VSF
- B. WFQ
- C. VOQ
- D. VSX

Answer: C

NEW QUESTION 73

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 76

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: C

NEW QUESTION 81

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