

## Exam Questions HPE6-A73

Aruba Certified Switching Professional Exam

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#### NEW QUESTION 1

An administrator wants to implement dynamic segmentation policies. The network consists of AOS-CX and Aruba gateways. Which type of forwarding should the administrator implement for users that already connect via wireless, but will also be connecting on Ethernet switch ports?

- A. User-based tunneling (UBT)
- B. Port-based tunneling (PBT)
- C. Switch-to-switch tunneling (SST)
- D. Local switching

**Answer:** A

#### NEW QUESTION 2

What must a network administrator implement in order to run an NAE script on an AOS-CX switch?

- A. Deployment
- B. Schedule
- C. Plan
- D. Agent

**Answer:** D

#### NEW QUESTION 3

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:** B

#### NEW QUESTION 4

A company has a third-party AAA server solution. The campus access layer was just upgraded to AOS-CX switches that perform access control with MAC-Auth and 802.1X. The company has an Aruba Mobility Controller (MC) solution for wireless, and they want to leverage the firewall policies on the controllers for the wired traffic.

What is correct about how the company should implement a security solution where the wired traffic is processed by the MCs?D18912E1457D5D1DDCDBD40AB3BF70D5D

- A. Implement downloadable user roles with a gateway role defined on the AOS-CX switches
- B. Implement local user roles with a gateway role defined on the AOS-CX switches
- C. Implement standards-based RADIUS VSAs to pass policy information directly to the AOS-CX switches and MCs
- D. Implement downloadable user roles with a device role defined on the AOS-CX switches and MCs

**Answer:** D

#### NEW QUESTION 5

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 6

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 7

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 8

When implementing deficit weighted round robin queuing, what importance does the weight value have?

- A. Prioritizing latency-sensitive traffic  
B. Queue priority in processing traffic  
C. Strict priority queue  
D. Percentage of interface bandwidth

**Answer: B**

#### NEW QUESTION 9

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 10

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 15

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 16

An administrator is defining a VSX LAG on a pair of AOS-CX switches that are defined as primary and secondary. The VSX LAG fails to establish successfully with a remote switch; however, after verification, the remote switch is configured correctly. The administrator narrows down the problem to the configuration on the AOS-CX switches.

What would cause this problem?

- A. Local optimization was not enabled on the VSX LAG
- B. The VSX LAG hash does not match the remote peer
- C. The VSX LAG interfaces are in layer-3 mode
- D. LACP was enabled in active mode on the VSX LAG

**Answer:** B

#### NEW QUESTION 19

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 20

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 22**

How is voice traffic prioritized correctly on AOS-CX switches?

- A. By defining device profiles with QOS settings
- B. By placing it in the strict priority queue
- C. By implementing voice VLANs
- D. By implementing weighted fair queueing (WFQ)

**Answer: B**

**NEW QUESTION 23**

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 25**

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 28**

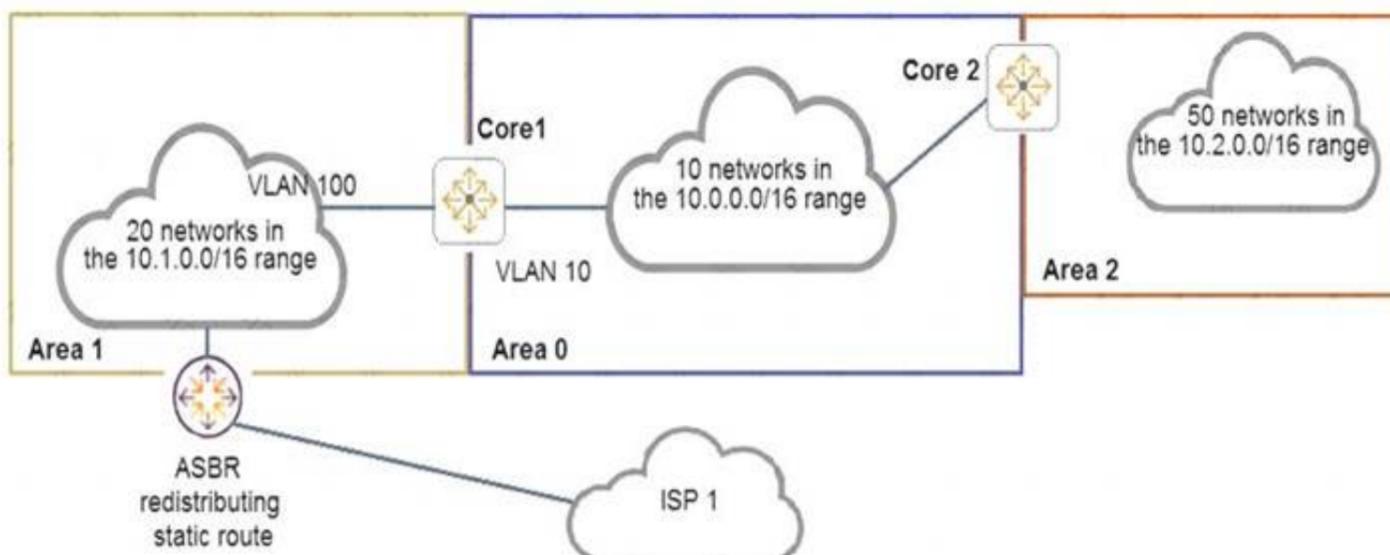
How should a network administrator add NAE scripts and implement NAE agents that will run on an AOS-CX switch?

- 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 33**

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 v1an 10
  ip ospf 1 area 0
  exit
interface v1an 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 35**

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

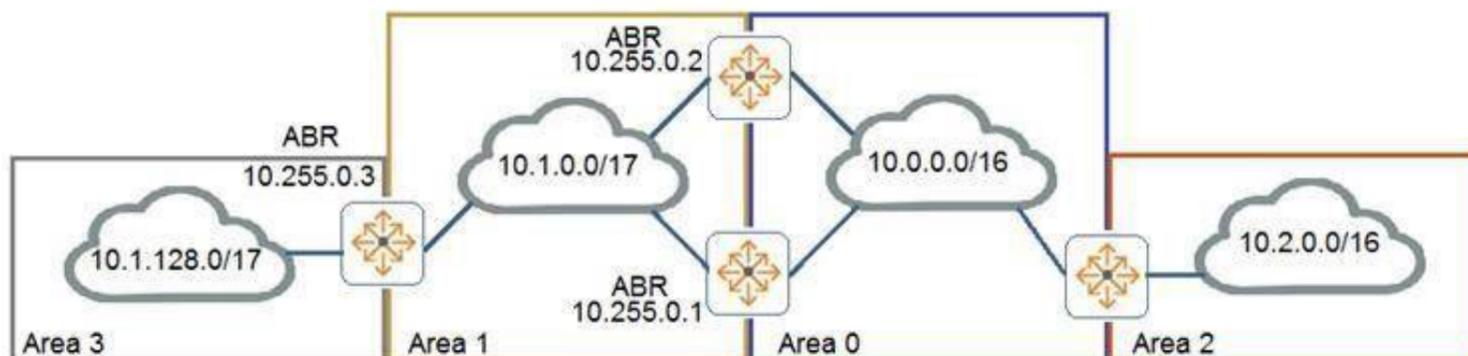
The switch is learning about four possible path to reach the 1.0.0.0/8 network. Based on this output, which next-hop route will the AOS-CX select to be placed in the IP routing table?

- A. 192 168 1 5
- B. 192 168 2 5
- C. 192 168 3 5
- D. 192 168 4 5

Answer: C

**NEW QUESTION 38**

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 39**

A network administrator is managing a network that deploys a multicast service. The administrator has multiple streams successfully being routed by PIM-DM in the network. The administrator then adds a new stream with a destination address of 239.0.0.1. However, clients who have not joined the stream are receiving it. What should the administrator do to fix this problem?

- A. Verify that IGMP is enabled between the switches connecting the multicast source and receivers
- B. Change the destination multicast address to 239.1.1.1
- C. Define the 239.0.0.1 stream on the rendezvous point (RP)
- D. Define the 239.0.0.1 stream on the PIM candidate bootstrap router

**Answer: B**

**NEW QUESTION 41**

What is the correct way of associating a VRF instance to either a VLAN or an interface?

- A. Switch(config)# interface <interface-ID>Switch(config-if)# vlan access <VLAN-ID> vrf attach <vrf-name>
- B. Switch(config)# vlan <VLAN-ID> vrf attach < vrf-name >
- C. Switch(config)# vlan <VLAN-ID>Switch(config-vlan-<VLAN-ID># vrf attach < vrf-name >
- D. Switch(config)# vlan <VLAN-ID> vrf < vrf-name >

**Answer: C**

**NEW QUESTION 42**

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 43**

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 48**

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 50**

Examine the following AOS-CX switch configuration:

```
Access(config)# access-list ip ext
Access(config-acl-ip)# permit ip any 10.0.11.0/255.0.255.0 count
Access(config-acl-ip)# permit ip any 10.0.12.0/255.0.255.0 log
Access(config-acl-ip)# exit
Access(config)# interface 1/1/3
Access(config-if)# apply access-list ip ext in
Access(config-if)# exit
```

Which statement correctly describes what is allowed for traffic entering interface 1/1/3?

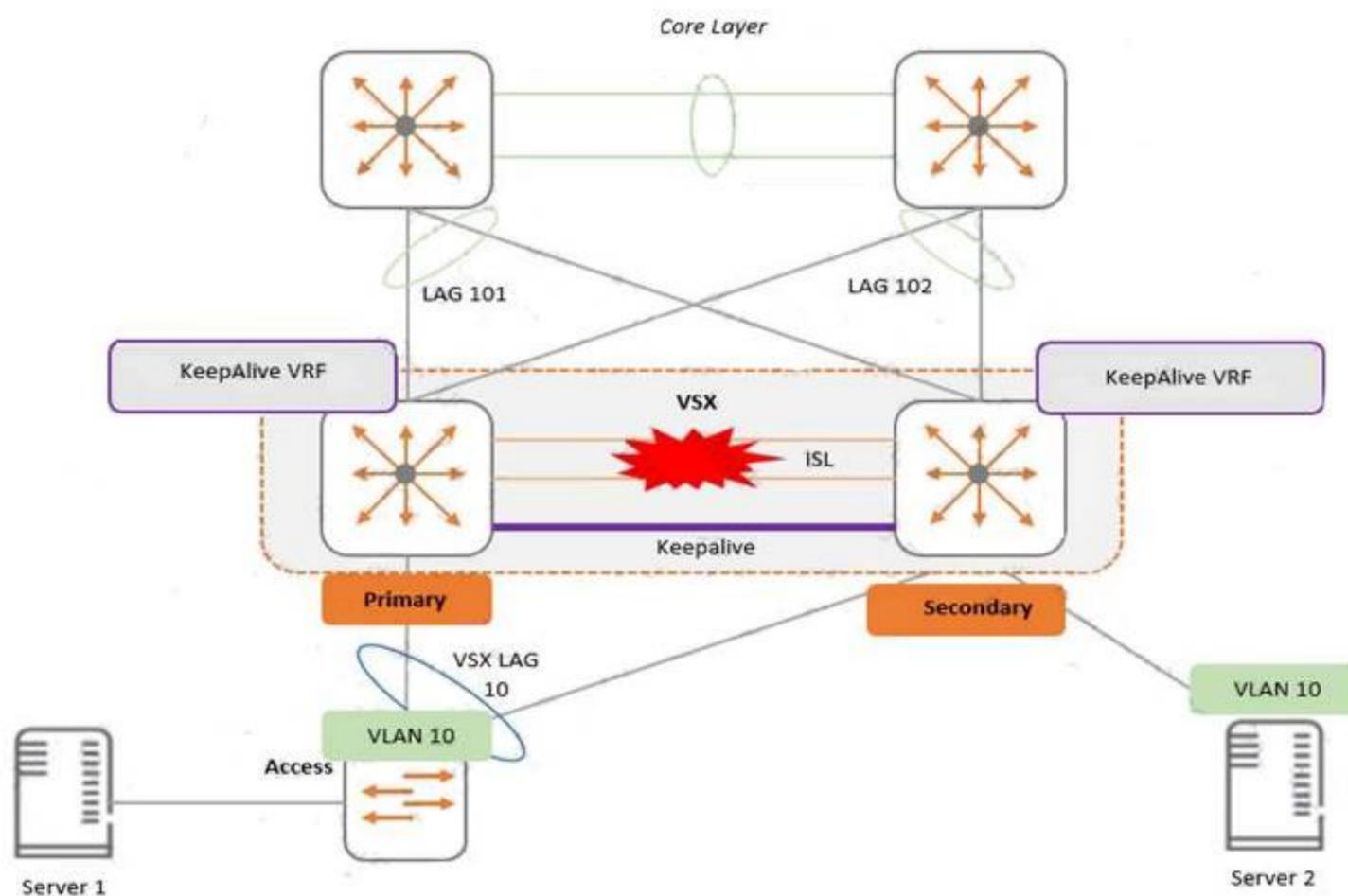
- A. IP traffic from 10.1.11.0/24 is allowed to access 10.1.110.0/24

- B. IP traffic from 10.0.11.0/24 is allowed to access 10.1.12.0/24
- C. Traffic from 10.0.12.0/24 will generate a log record when accessing 10.0.11.0/24
- D. IP traffic from 10.1.12.0/24 is allowed to access 172.0.1.0/23

Answer: B

**NEW QUESTION 55**

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 60**

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 63**

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 67**

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

- A. Only a traffic rate and burst size can be defined for a queue
- B. Limits can be defined only for broadcast and multicast traffic

- C. Rate limiting and egress queue shaping can be used to restrict inbound traffic
- D. Rate limiting and egress queue shaping can be applied globally

**Answer:** A

#### NEW QUESTION 70

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 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 79

Which protocols are used by NetEdit to interact with third-party devices? (Choose two.)

- A. telnet
- B. SNMP
- C. SSH
- D. Restful API
- E. CDP

**Answer:** BC

#### NEW QUESTION 81

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

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

**Answer:** D

#### NEW QUESTION 86

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 87

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