

## 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

Which AOS-CX switches support weighted fair queuing (WFQ)?

- A. Both 8320 and 8325
- B. Both 6300 and 6400
- C. 8400 only
- D. 6300 only

**Answer: C**

#### 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

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-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 6

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?D18912E1457D5D1DDCBD40AB3BF70D5D

- 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 7

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 8

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?

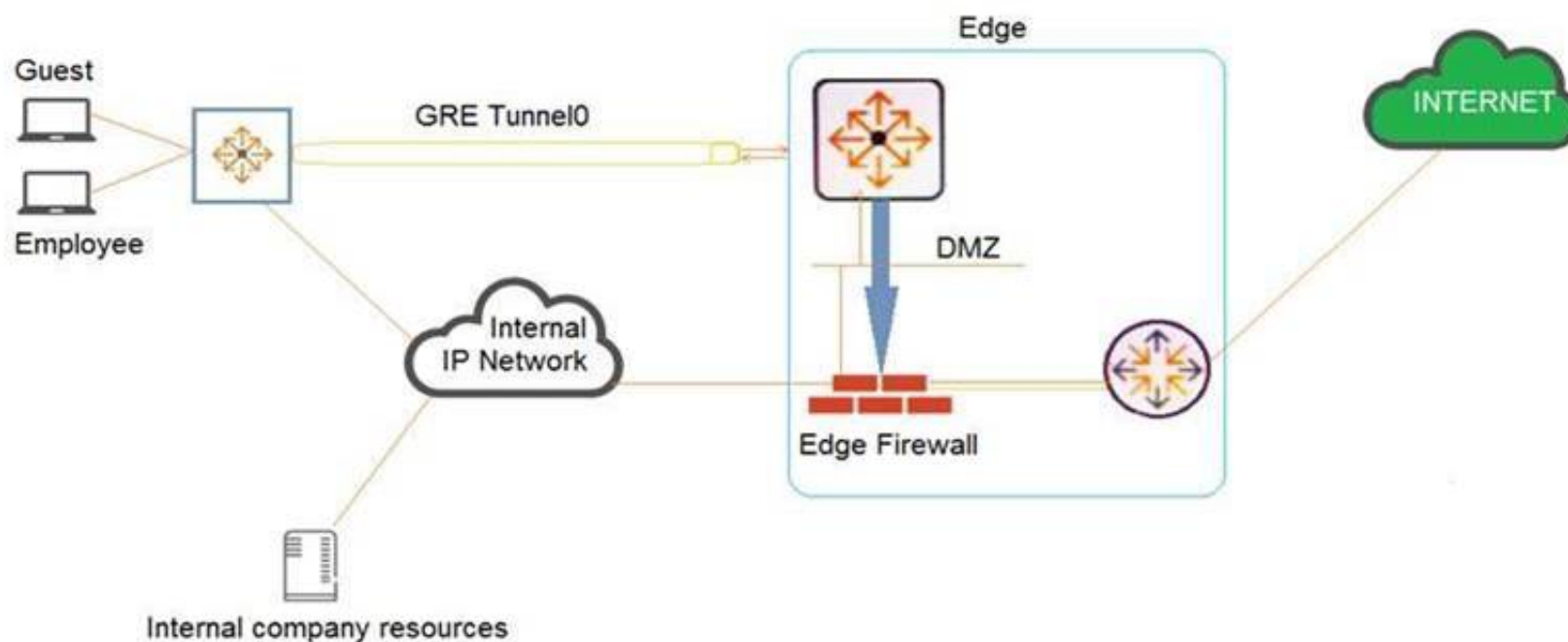
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- A. Implement route aggregation
- B. Implement bidirectional forwarding detection (BFD)
- C. Reduce the hello and dead interval timers
- D. Implement graceful restart

**Answer: B**

#### NEW QUESTION 9

Examine the network exhibit.



A company has a guest implementation for wireless and wired access. Wireless access is implemented through a third-party vendor. The company is concerned about wired guest traffic traversing the same network as the employee traffic. The network administrator has established a GRE tunnel between AOS-CX switches where guests are connected to a routing switch in the DMZ.

Which feature should the administrator implement to ensure that the guest traffic is tunneled to the DMZ while the employee traffic is forwarded using OSPF?

- A. OSPF route maps using the "set metric" command
- B. Policy-based routing (PBR)
- C. User-based tunneling (UBT)
- D. Classifier policies

**Answer: B**

#### NEW QUESTION 10

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 10

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 12

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 15

A network administrator is implementing OSPF, where there are two exit points. Each exit point has a stateful, application inspection firewall to implement company policies.

What would the best practice be to ensure that one firewall will see both directions of the traffic, preventing asynchronous connections in the network?

- A. Both ASBRs should define External Type 1 routes for the
- B. Both ASBRs should define External Type 1 routes for the
- C. Both ASBRs should define External Type 2 routes for the
- D. Both ASBRs should define External Type 2 routes for the

**Answer:** A

#### NEW QUESTION 18

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 20

A network administrator is implementing NAE on AOS-CX switches. When attempting to create an agent on a particular switch, the agent appears in the NAE Agents panel with a red triangle error symbol and a status of “Unknown”.

What is the cause of this issue?

- A. The administrator does not have the appropriate credentials to interact with NAE
- B. The number of scripts or agents has exceeded the hardware’s capabilities
- C. A connectivity issue exists between NAE and the AOS-CX switch
- D. The RESTful API has not been enabled on the AOS-CX switch

**Answer:** C

#### NEW QUESTION 25

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 28

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:** B

#### NEW QUESTION 31

An administrator is implementing a downloadable user role solution involving AOS-CX switches. The AAA solution and the AOS-CX switches can successfully authenticate users; however, the role information fails to download to the switches. What policy should be added to an intermediate firewall to allow the downloadable role function to succeed?

- A. Allow TCP 443
- B. Allow UDP 1811
- C. Allow UDP 8211
- D. Allow TCP 22

**Answer:** A

#### NEW QUESTION 36

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 38

A network administrator wants to replace older access layer switches with AOS-CX 6300 switches. Which virtual switching technology can the administrator implement with this solution?

- A. Both VSF and VSX
- B. Only Backplane stacking
- C. Only VSF
- D. Only VSX

**Answer:** C

#### NEW QUESTION 43

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:** D

#### NEW QUESTION 45

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 49

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 51

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 54

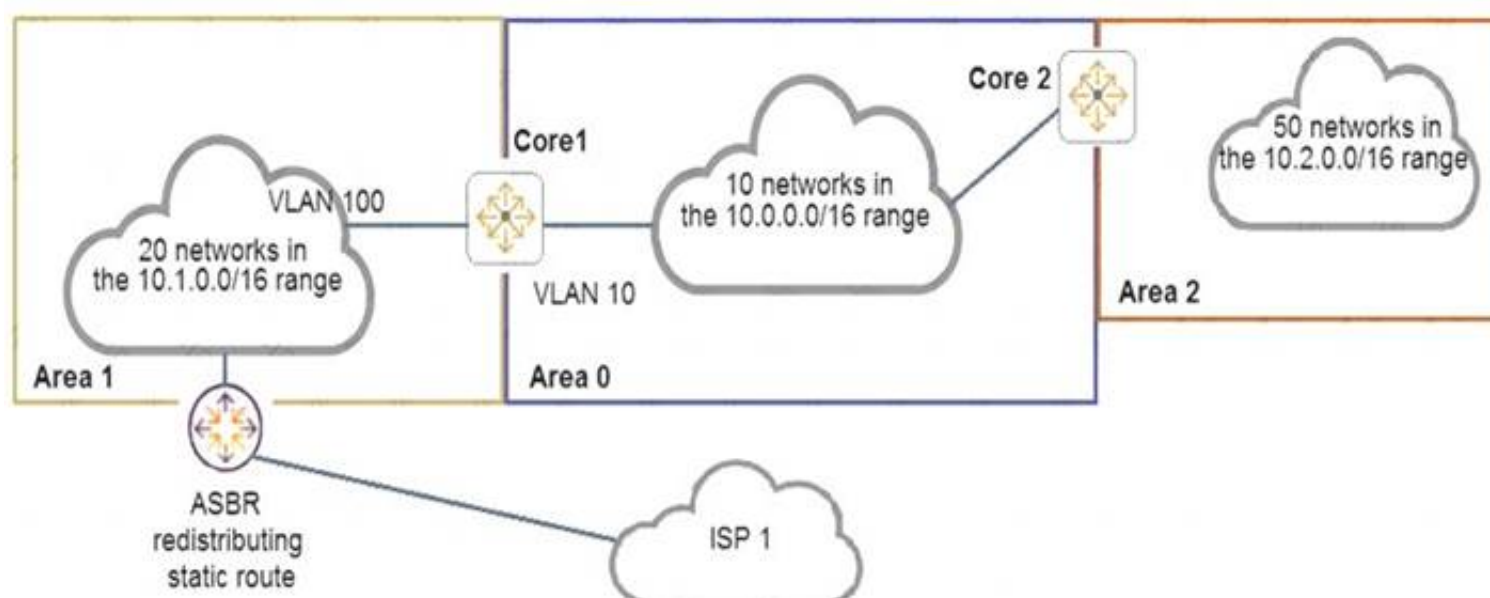
How should a network administrator add NAE scripts and implement NAE agents that will run on an AOS-CX switch?

- 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 57

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 59

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 64

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

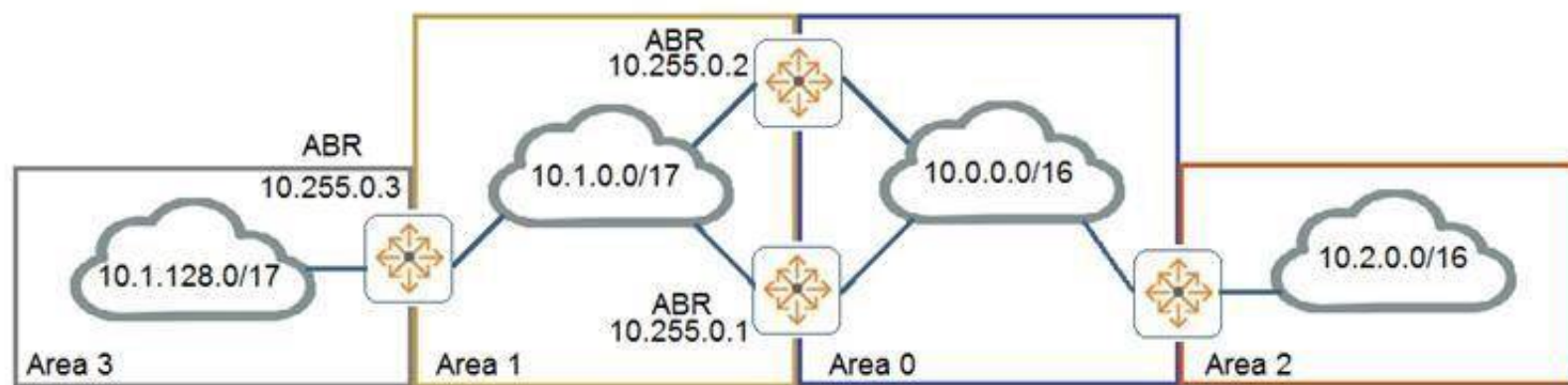
The switch is learning about four possible path to reach the 1.0.0.0/8 network. Based on this output, which next-hop route will the AOS-CX select to be placed in the IP routing table?

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

**Answer:** C

#### NEW QUESTION 68

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 71

An administrator is concerned about the security of the control plane connection between an AOS-CX switch and an Aruba Mobility Controller (MC) when implementing user-based tunneling. How should the administrator protect this traffic?

- A. IPSec with a digital certificate
- B. GRE with a pre-shared key
- C. PAPI with an MD5 pre-shared key
- D. IPSec with a pre-shared key

**Answer: C**

#### NEW QUESTION 72

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 77

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 78

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 82

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

#### NEW QUESTION 83

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
```

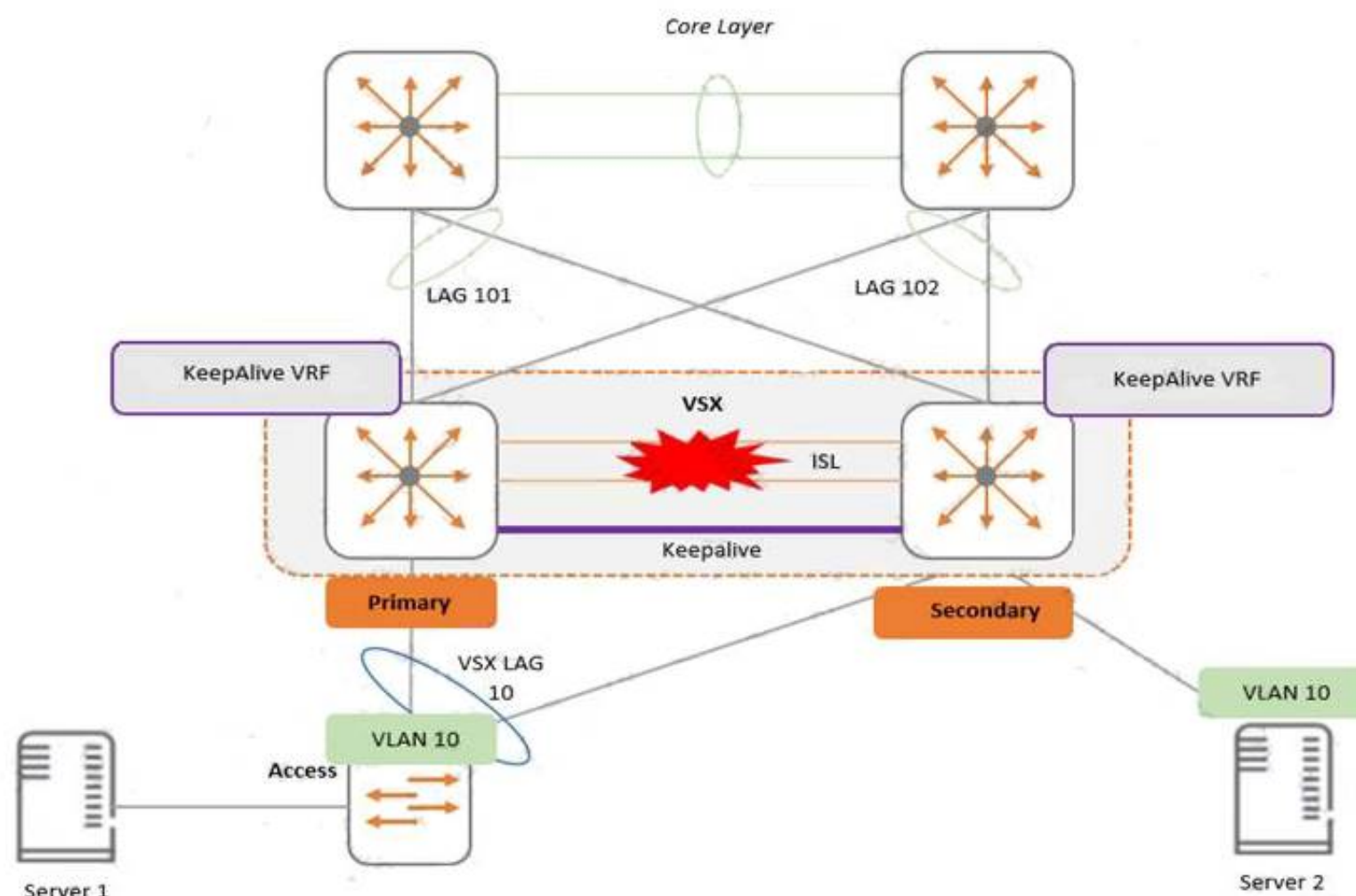
Which statement correctly describes what is allowed for traffic entering interface 1/1/3?

- 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 86

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 91

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 92

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 93

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 95

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 96

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 97

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 101

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