HP

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
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 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

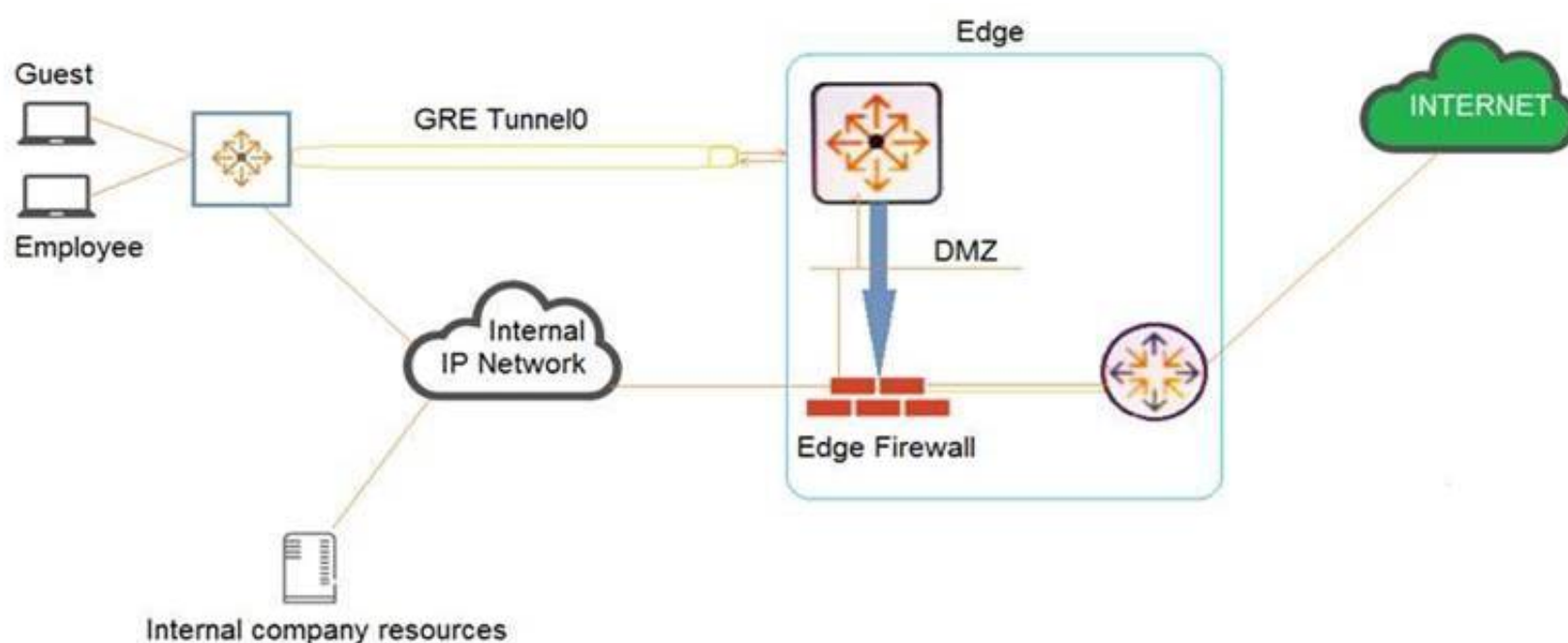**Answer:** B

NEW QUESTION 4
An administrator 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 5
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 6
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 7
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 8
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 9
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
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 10
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 14
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 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 20
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 25
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 27
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 28
A company has recently upgraded their campus switching infrastructure with AOS-CX switches. They have implemented 802.1X authentication on access ports where laptop and IOT devices typically connect. An administrator has noticed that for POE devices, the AOS-CX switch ports are delivering the maximum wattage to the port instead of what the device actually needs.
Concerned about this waste of electricity, what should the administrator implement to solve this problem?

A. Implement a classifier policy with the correct power definitions
B. Create device profiles with the correct power definitions
C. Enable AAA authentication to exempt LLDP and/or CDP information
D. Globally enable the QoS trust setting for LLDP and/or CDP

Answer: B

NEW QUESTION 31
Examine the VSX-related configuration of the core layer AOS-CX switch:

```
ICX-Tx-Core1(config)# vrf KA
ICX-Tx-Core1(config)# interface 1/1/45
ICX-Tx-Core1(config-if-1/1/45)# no shutdown
ICX-Tx-Core1(config-if-1/1/45)# vrf attach KA
ICX-Tx-Core1(config-if-1/1/45)# ip address 192.168.0.0/31
ICX-Tx-Core1(config-if-1/1/45)# exit
ICX-Tx-Core1(config)# interface lag 256
ICX-Tx-Core1(config-if)# no shutdown
ICX-Tx-Core1(config-if)# no routing
ICX-Tx-Core1(config-if)# vlan trunk native 1
ICX-Tx-Core1(config-if)# vlan trunk allowed all
ICX-Tx-Core1(config-if)# lacp mode active
ICX-Tx-Core1(config-if)# exit
ICX-Tx-Core1(config)# interface 1/1/46-1/1/47
ICX-Tx-Core1(config-if-<1/1/46-1/1/47>)# mtu 9198
ICX-Tx-Core1(config-if-<1/1/46-1/1/47>)# exit
ICX-Tx-Core1(config)# vsx
ICX-Tx-Core1(config-vsx)# inter-switch-link lag 256
ICX-Tx-Core1(config-vsx)# role primary
ICX-Tx-Core1(config-vsx)# vsx-sync vsx-global
ICX-Tx-Core1(config-vsx)# exit
ICX-Tx-Core1(config)# vsx
ICX-Tx-Core1(config-vsx)# keepalive peer 192.168.0.1 source 192.168.0.0 vrf KA
ICX-Tx-Core1(config-vsx)# exit
ICX-Tx-Core1(config)# interface lag 1 multi-chassis
ICX-Tx-Core1(config-lag-if)# no routing
ICX-Tx-Core1(config-lag-if)# vlan access 1
ICX-Tx-Core1(config-lag-if)# lacp mode active
ICX-Tx-Core1(config-lag-if)# exit
ICX-Tx-Core1(config)# int 1/1/1
ICX-Tx-Core1(config-if)# description access1
ICX-Tx-Core1(config-if)# lag 1
ICX-Tx-Core1(config-if)# no shutdown
ICX-Tx-Core1(config-if)# exit
```

A network administrator is troubleshooting a connectivity issue involving the VSX LAG (link aggregation) between the core and access layer switch, during HW replacement of one of the core switches.
Which configuration should the administrator add to the core switch to fix this issue?

A. ICX-Tx-Core1(config)# vsxICX-Tx-Core1(config-vsx)# system-mac 02:01:00:00:01:00
B. ICX-Tx-Core1(config)# interface lag 1 multi-chassisICX-Tx-Core1(config-if-lag-if)# mtu 9198
C. ICX-Tx-Core1(config)# interface 1/1/46-1/1/47ICX-Tx-Core1(config-if-vlan)# active-gateway ip 10.1.11.1 mac 02:02:00:00:01:00
D. ICX-Tx-Core1(config)# interface 1/1/45ICX-Tx-Core1(config-if-vlan)# active-gateway ip 192.168.0.0 mac 02:02:00:00:01:00

Answer: D

NEW QUESTION 32
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 34
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 37
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
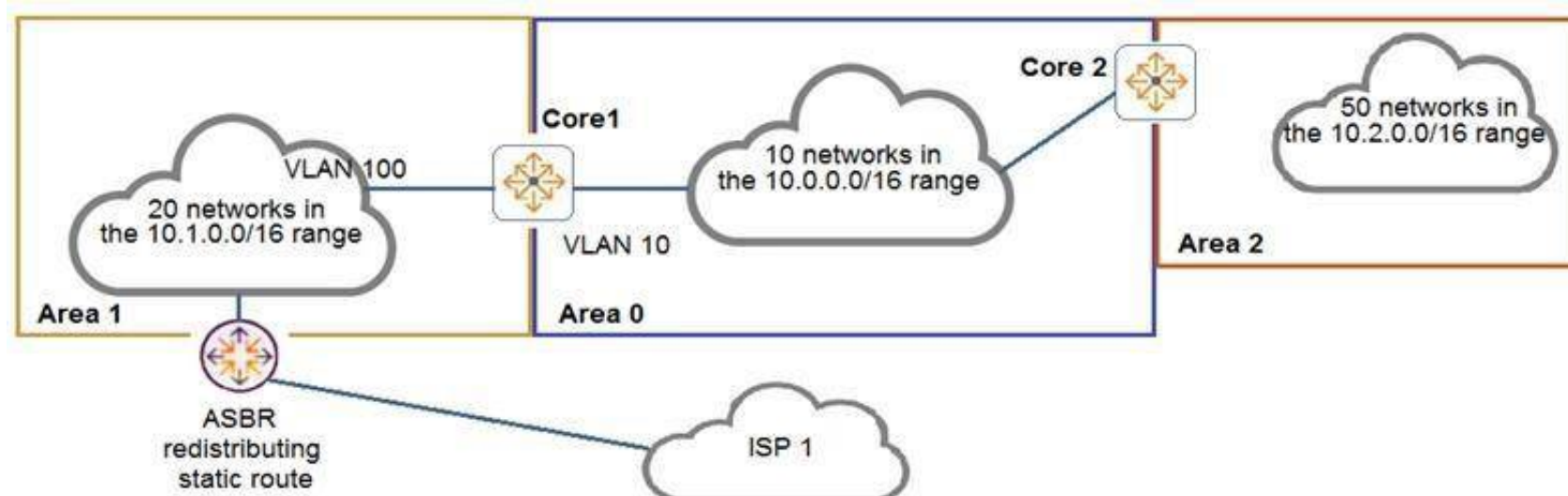
Answer: C

NEW QUESTION 38
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 40
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
```
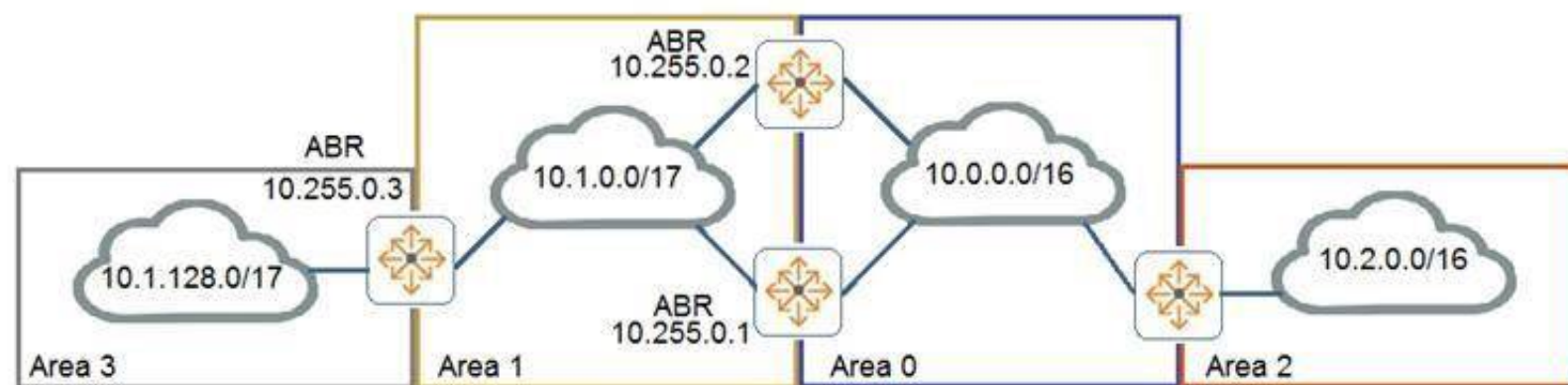
Based on the above information, what is correct?

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 42
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 45
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 48
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 in 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 49
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 51
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
```
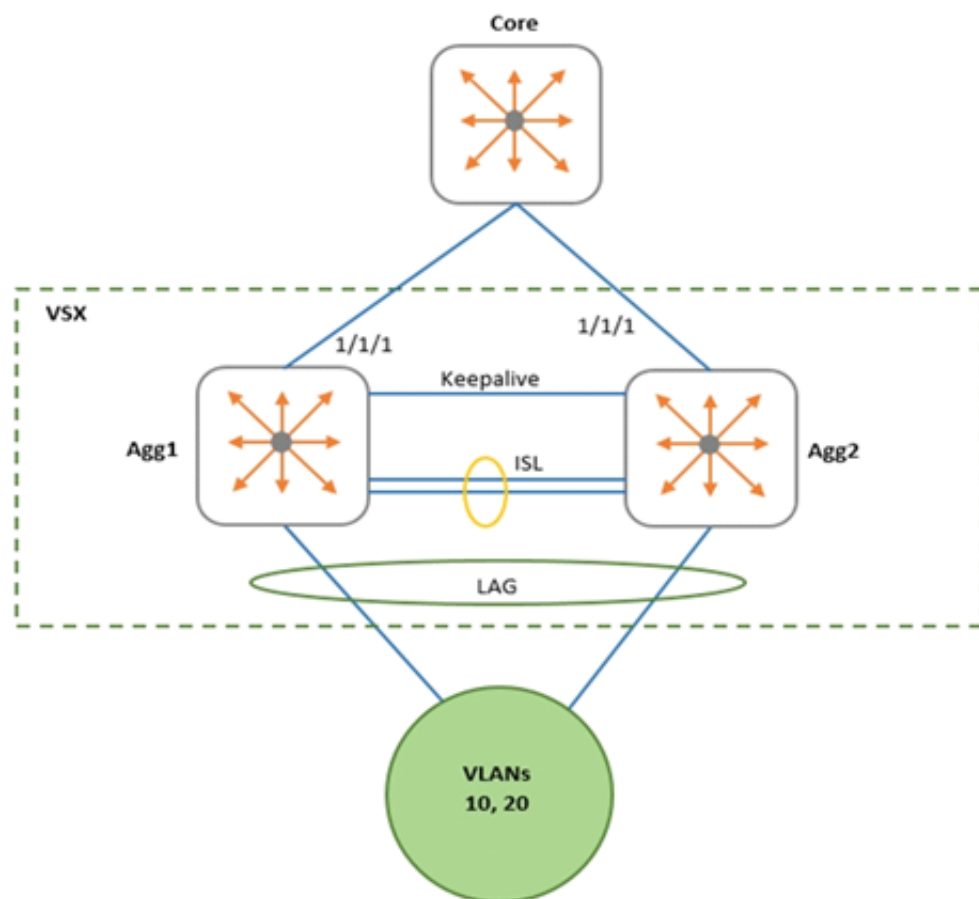
Which statement correctly describes what is allowed for traffic entering interface 1/1/3?

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 52
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?
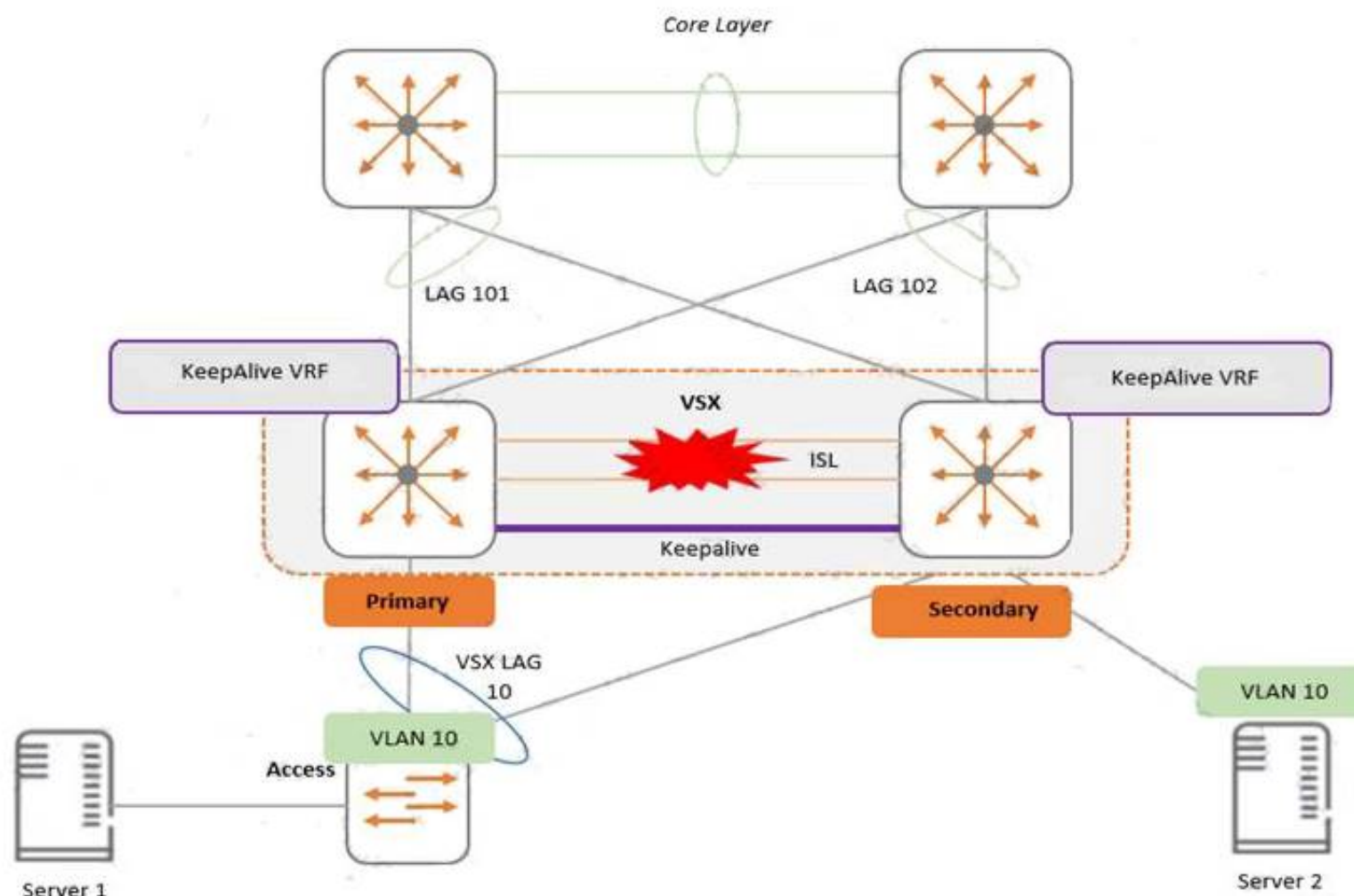
A. Define a layer-2 VSX LAG associated with a layer-3 VLAN interfac
B. Enable active gateway for the Layer-3 VLAN.
C. Define separate layer-3 VLAN interfaces between the aggregation and core switche
D. Enable active forwarding for the Layer-3 VLAN.

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

Answer: A

NEW QUESTION 53
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 54
A network administrator wants to centralize the management of AOS-CX switches by implementing NetEdit. How should the administrator purchase and/or install the NetEdit solution?

A. Install as a hardware appliance
B. Installed on a supported version of RedHat Enterprise Linux
C. Installed in a virtualized solution by using the Aruba-supplied OVA file
D. Installed on a supported version of Debian Linux

Answer: C

NEW QUESTION 56
Examine the following AOS-CX switch configuration:

```
Switch(config-addgroup-ip)# object-group ip address servers
Switch(config-addgroup-ip)# 10.1.0.100
Switch(config-addgroup-ip)# 10.1.1.100
Switch(config-addgroup-ip)# exit
```

Which access control entries would allow web traffic to the web servers 10.1.0.100 and 10.1.1.100?

A. permit tcp servers eq 80
B. permit tcp any 10.1.0.100 0.0.1.0 eq 80
C. permit tcp any 10.1.0.100/10.1.1.100 eq 80
D. permit tcp any 10.1.0.100/255.255.254.255 eq 80

Answer: B

NEW QUESTION 61
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

NEW QUESTION 62
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 65
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 68
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 73
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 75
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