HP

Exam Questions HPE6-A73

Aruba Certified Switching Professional Exam

NEW QUESTION 1
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 2
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 3
An administrator of a company has concerns about upgrading the access layer switches. The users rely
heavily on wireless and VoIP telephony. Which is the best recommendation to ensure a short downtime for the users during upgrading the access layer switches?

A. Install the in-service software upgrade (ISSU) feature with clustering enabled
B. Install AOS-CX 6300 or 6400 switches with always-on POE
C. Implement VSF on the AOS-CX access switches
D. Implement VSX on the AOS-CX access switches

Answer: C

NEW QUESTION 4
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 5
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 6
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 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

NEW QUESTION 8
Which protocol should be configured to allow NetEdit to discover third-party devices?

A. SNMP
B. SSH
C. HTTPS
D. HTTP

Answer: A

NEW QUESTION 9
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
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 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.
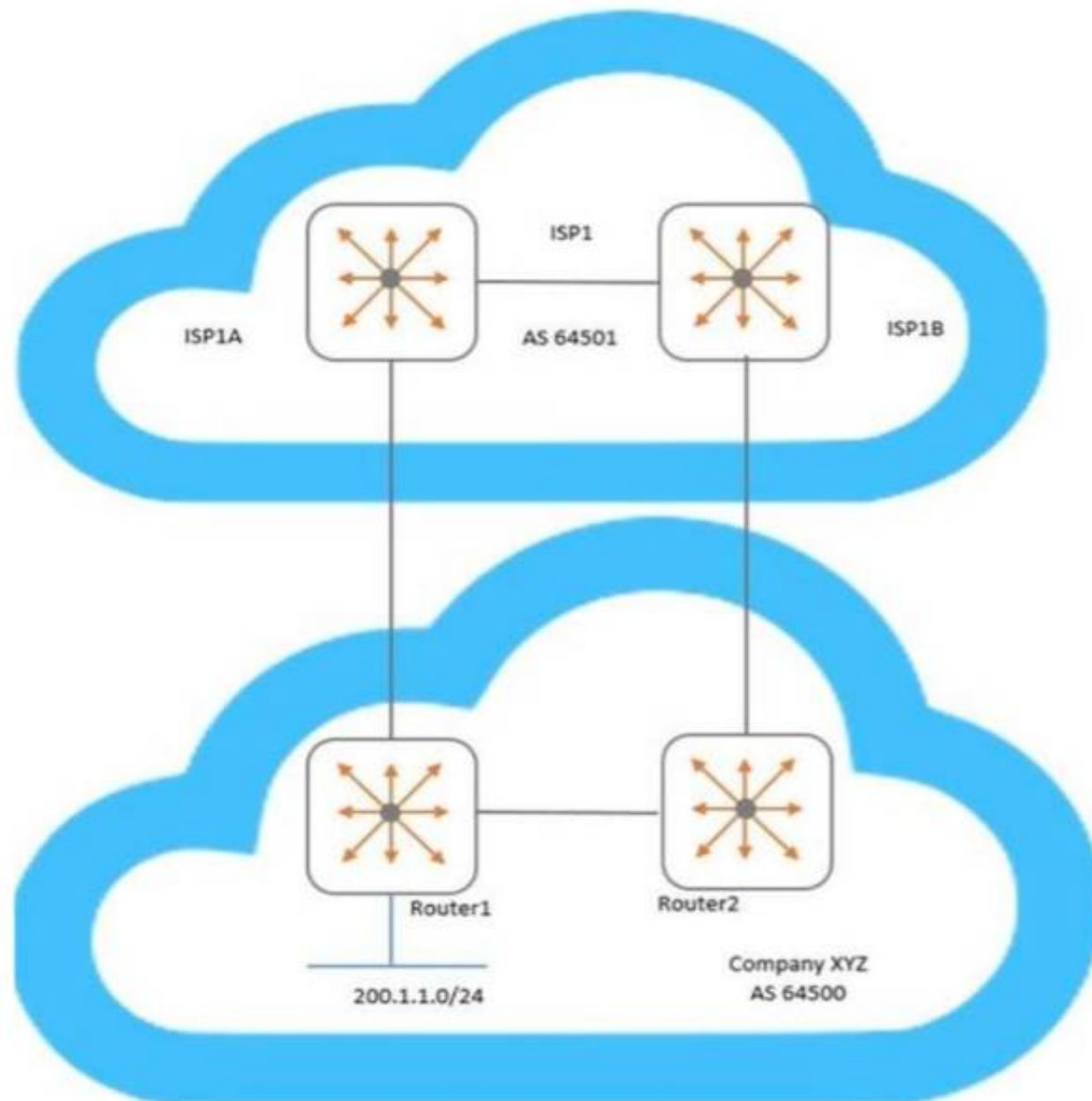
Answer: CD

NEW QUESTION 15
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 20
Examine the network topology.

Company XYZ has two connections to a service provider (ISP1). Here is the configuration of Router1:

```
Router1(config)# ip prefix-list AS64500-routes permit 200.1.1.0/24
Router1(config)# route-map To-AS64501 permit seq 10
Router1(config-route-map)# match ip address prefix-list AS64500-routes
Router1(config-route-map)# set metric 100
Router1(config-route-map)# exit
Router1(config)# router bgp 64500
Router1(config-bgp)# address-family ipv4 unicast
Router1(config-bgp-ipv4-uc)# neighbor 192.168.1.1. route-map To-AS64501 out
```

Here is the configuration of Router2:

```
Router2(config)# ip prefix-list AS64500-routes permit 200.1.1.0/24
Router2(config)# route-map To-AS64501 permit seq 10
Router2(config-route-map)# match ip address prefix-list AS64500-routes
Router2(config-route-map)# set metric 200
Router2(config-route-map)# exit
Router2(config)# router bgp 64500
Router2(config-bgp)# address-family ipv4 unicast
Router2(config-bgp-ipv4-uc)# neighbor 192.168.2.1. route-map To-AS64501 out
```

Based on configuration of Router1 and Router2, which BGP metric is being manipulated?

A. Weight
B. Multiple exit discriminator
C. Local preference
D. AS path length

Answer: B

NEW QUESTION 24
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 28
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 33
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 38
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 41
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 46
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 50
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 55
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 56
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 58
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 62
An administrator is configuring BGP and has two connections to a service provider to two different local routers.
Which BGP metric should the administrator configure to influence which local router the service provider will use to reach certain routes?

A. Weight
B. Multiple exit discriminator
C. Local preference
D. Origin

Answer: C

NEW QUESTION 64
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 69
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 72
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 73
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 78
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 79
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 81
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 84
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 85
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 89
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
```
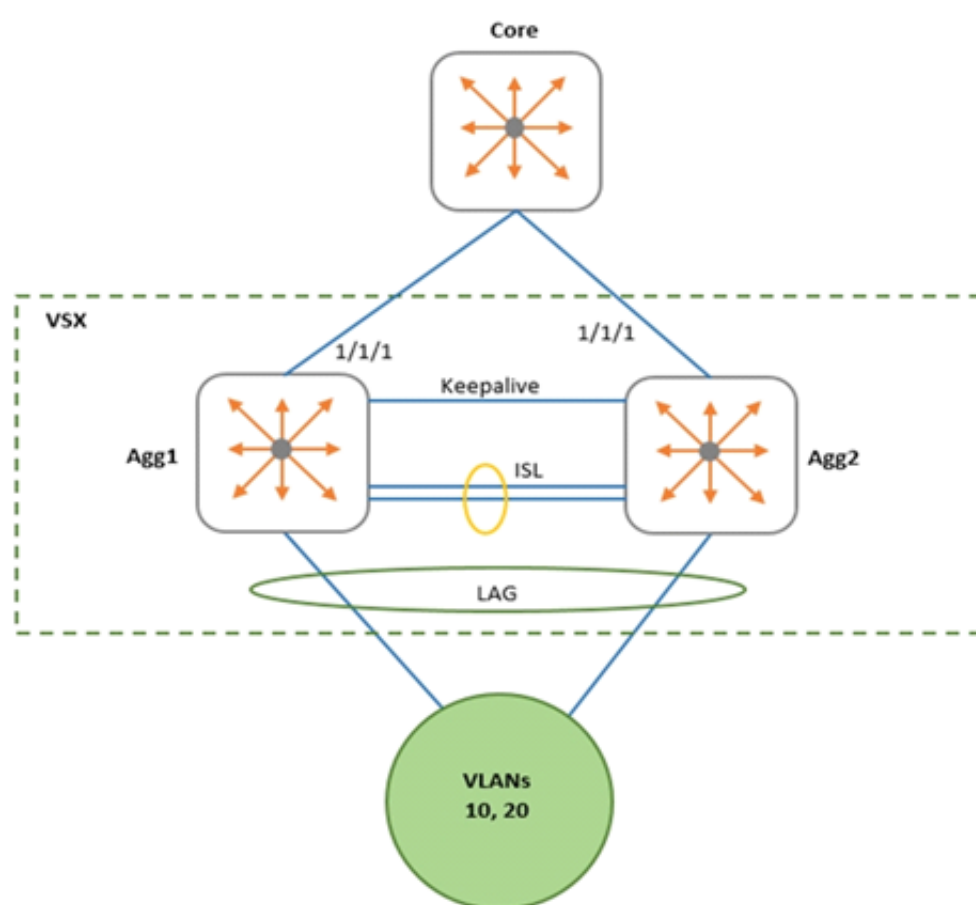
Which statement correctly describes what is allowed for traffic entering interface 1/1/3?

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 93
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 94
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 99

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 102
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 104
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 106
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 111
What is correct regarding the operation of VSX and multicasting with PIM-SM routing configured?

A. Each VSX peers runs PIM and builds its own group databas
B. One of the VSX peers is elected as the designated router (DR) to forward multicast streams to a receiver VLAN
C. Each VSX peers runs PIM and creates a shared group databas
D. Both VSX peers can forward multicast streams to receivers in a VLAN, achieving load sharing
E. Each VSX peers runs PIM and builds its own group databas
F. Both VSX peers can forward multicast streams to receivers in a VLAN, achieving load sharing
G. Each VSX peers runs PIM and creates a shared group databas
H. One of the VSX peers is elected as the designated router (DR) to forward multicast streams to a receiver VLAN

Answer: A

NEW QUESTION 115
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 117
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