

HP

Exam Questions HPE6-A73

Aruba Certified Switching Professional Exam



NEW QUESTION 1

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

Explanation:

you could apply egress queue shaping to the high priority queues to prevent starvation of low priority queues. Egress queue shaping allows you to apply a maximum bandwidth to a priority queue, as well as a burst size. The port buffers excess traffic up to the burst size and sends the buffered traffic at the max rate, smoothing out bursts while also preventing the high priority queue from exceeding its maximum rate and starving out lower priority queues.

NEW QUESTION 2

An administrator is managing a VSX pair of AOS-CX switches An administrator configures the following on the primary AOS-CX switch:

```
switch(config)# vlan 100
switch(config-vlan-100)# vsx-sync
```

- A. The primary switch will erase VLAN 200 from the VSX pair
- B. The VLAN is only created on the secondary switch.
- C. The operation is not allowed by the switch and a CLI error is displayed
- D. The VLAN is created on both the primary and secondary switches

Answer: D

NEW QUESTION 3

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

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

Answer: B

NEW QUESTION 4

What is a concept associated with PIM sparse mode (SM)?

- A. Reverts to forwarding when the pruning state times out.
- B. Requires periodic joins to maintain the shortest path tree (SPT).
- C. Recommended for use when high bandwidth connections exist.
- D. Implements a push content to forward traffic from the multicast source.

Answer: B

Explanation:

<https://www.youtube.com/watch?v=PhzMcUcS6UA>

NEW QUESTION 5

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 6

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.arubatrainig.com 10.254.1.23 vrf mgmt
Access1(config)# radius-server host cppm.arubatrainig.com key plaintext aruba123 vrf mgmt
Access1(config)# aaa group server radius cppm
Access1(config-sg)# server cppm.arubatrainig.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.arubatrainig.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 7

MAC authentication is enabled on port 1/1/27 of an AOS-CX switch. The following MAC addresses are defined on the AAA server:

* 88:3a:30:97:b6:00

* 00:50:56:b1:fc:9b

Examine the AOS-CX switch output:

```
Switch# show mac-address-table detail
MAC age-time          : 300 seconds
Number of MAC addresses : 10
```

MAC Address	VLAN	Type	Port	Age	Denied	never_ageout
20:4c:03:5f:98:02	1	dynamic	lag256	300	false	false
88:3a:30:97:b6:00	11	port-access-security	1/1/27	300	false	false
00:50:56:b1:fc:9b	11	port-access-security	1/1/27	300	true	false
02:02:00:00:12:00	11	dynamic	lag256	300	false	false
90:20:c2:bc:17:00	11	dynamic	lag256	300	false	false

Based on this information, what is true concerning port 1/1/27?

- A. Device-mode is enabled with a client limit of 1.
- B. Device-mode is enabled with a client limit of 2.
- C. Client-mode is enabled with a client limit of 1.
- D. Client-mode is enabled with a client limit of 2.

Answer: C

Explanation:

https://www.arubanetworks.com/techdocs/AOS-CX/AOS-CX-CLI-Bank/cli_6300-6400/Content/Chp_Port_acc/P client-mode = Selects client mode. In this mode, all clients connecting to the port are sent for authentication. device-mode = Selects device mode. In this mode, only the first client connecting to the port is sent for authentication. Once this client is authenticated, the port is considered as open and all subsequent clients trying to connect on that port are not sent for authentication.

NEW QUESTION 8

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 9

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 10

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

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

Answer: A

NEW QUESTION 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: B

Explanation:

https://www.arubanetworks.com/techdocs/AOS-CX/10.06/HTML/5200-7717/Content/Chp_TS/err-nae-age-not

NEW QUESTION 11

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 access 1
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-chassis ICX-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 14

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 18

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

- A. Create a route map with the correct route type and metrics
- B. Define the route type and metrics in the OSPF process
- C. Create a classifier policy with the correct route type and metrics
- D. Define a class and policy map with the correct route type and metrics

Answer: A

NEW QUESTION 22

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: A

NEW QUESTION 25

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 30

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 33

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: C

NEW QUESTION 36

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 39

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 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: A

Explanation:

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

NEW QUESTION 44

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: A

Explanation:

<https://community.arubanetworks.com/blogs/esupport1/2020/04/29/downloadable-user-role-configuration-in-ar>

NEW QUESTION 49

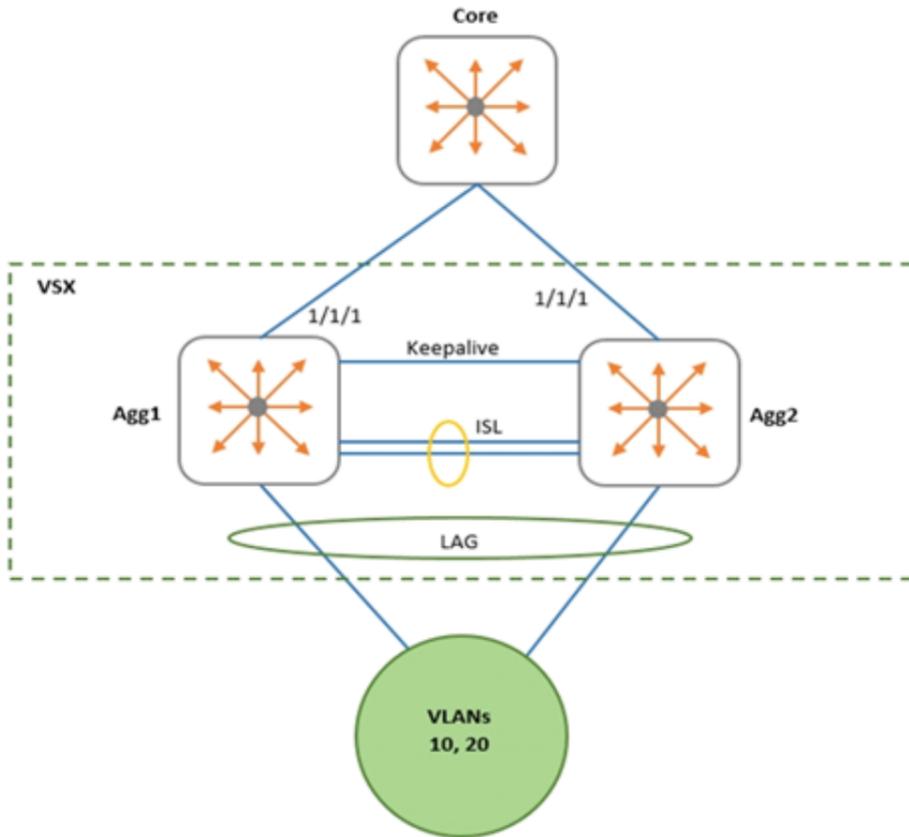
A network engineer for a company with 896 users across a multi-building campus wants to gather statistics on an important switch uplink and create actions based on issues that occur on the uplink. How often does an NAE agent gather information from the current state database in regard to the uplink interfaces?

- A. Once every 60 seconds
- B. Once every 1 second
- C. Once every 30 seconds
- D. Once every 5 seconds

Answer: D

NEW QUESTION 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 interface
- B. Enable active gateway for the Layer-3 VLAN.
- C. Define separate layer-3 VLAN interfaces between the aggregation and core switch
- D. Enable active forwarding for the Layer-3 VLAN.
- E. Define separate layer-3 VLAN interfaces between the aggregation and core switch
- F. Enable active gateway for the Layer-3 VLAN.
- G. Define a layer-2 VSX LAG associated with a layer-3 VLAN interface
- H. Enable active forwarding for the Layer-3 VLAN.

Answer: A

NEW QUESTION 54

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