

HP

Exam Questions HPE6-A73

Aruba Certified Switching Professional Exam



NEW QUESTION 1

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

Explanation:

"NetEdit will now also discover and display third-party devices that are using the standard MIB's. Using SNMP with NetEdit, administrators can also enter SSH credentials for third-party devices.

NEW QUESTION 2

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-ldp-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 3

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 4

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

Explanation:

Validation processes

+ Syntax validation

– When: while typing

– What: command syntax including in-line help

+ Semantics validation

– When: VALIDATE button (in multi-editor) or before DEPLOY

– What: configuration consistency

+ Conformance validation

– When: while editing

– What: compliance with conformance rules: corporate policies, minimum connectivity requirements, etc.

+ Change validation

– When: during DEPLOY (before and after configuration deployment)

– What: compares device state before and after changes are applied (using show commands)

NEW QUESTION 5

An administrator is managing a pair of core AOS-CX switches configured for VSX. Connected to this core are pairs of aggregation layer AOS-CX switches configured for VSX. OSPF is running between the aggregation and core layers. To speed up OSPF convergence, the administrator has configured BFD between the core and aggregation switches.

What is a best practice the administrator should implement to reduce CPU processing on the switches if a BFD neighbor fails?

- A. Disable ICMP redirects
- B. Implement graceful restart
- C. Increase the BFD echo timers
- D. Increase the VSX keepalive timer

Answer: A

NEW QUESTION 6

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 7

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 8

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 9

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 10

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 10

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 14

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 16

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

Explanation:

MAC/IP overlap. 239.0.0.1 would be the same MAC for 224.0.0.1. 224.0.0.0/24 is always flooded over every port.

NEW QUESTION 20

A switch will apply a device profile to a port based on which pieces of information? (Select two.)

- A. IP header
- B. MAC address
- C. LLDP
- D. User role
- E. 802.1Q

Answer: AB

NEW QUESTION 22

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 26

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 28

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 29

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

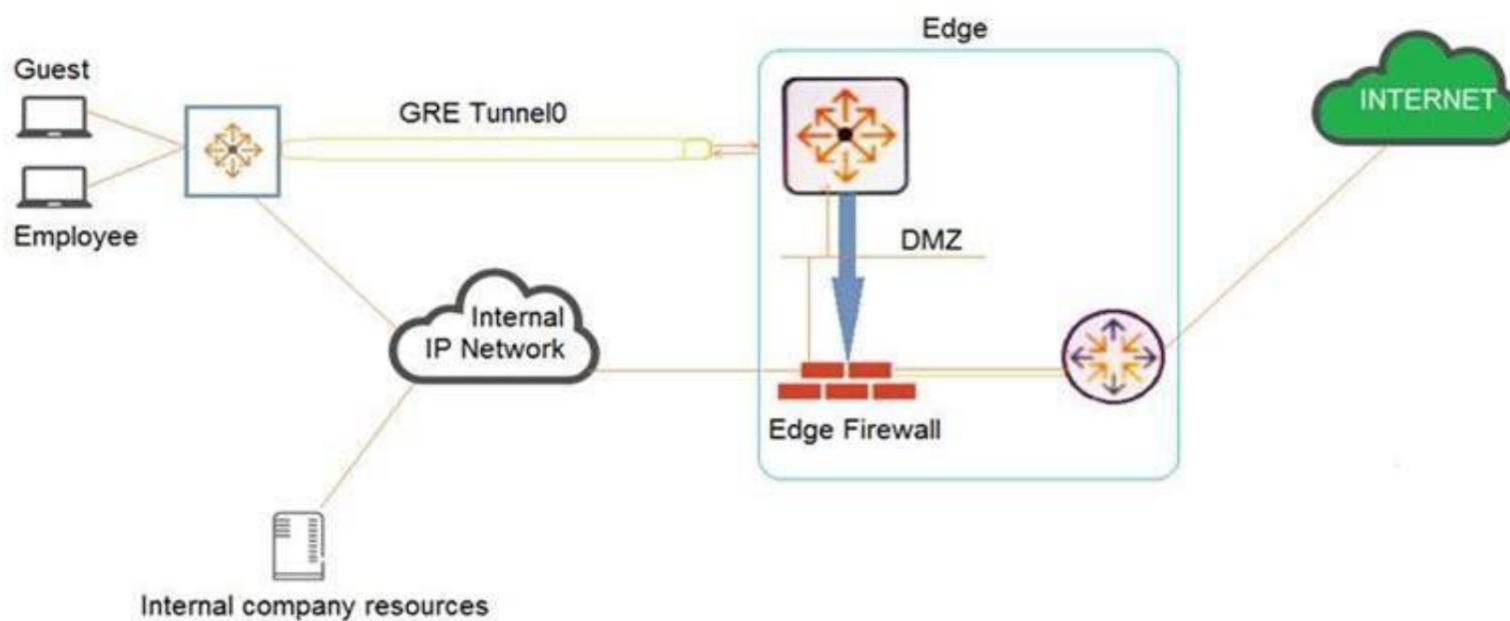
Answer: B

Explanation:

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

NEW QUESTION 32

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

Explanation:

Guest traffic can be routed with PBR to use GRE tunnels that terminate in the DMZ.

NEW QUESTION 37

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

Explanation:

Active gateway = both devices route/forward traffic VRRP = Active-standby, only active member routes/forwards traffic

Understand the Active Gateway principle In a VSX system, active gateway provides redundant default gateway functionality for the end-hosts. The default gateway of the end-host is automatically handled by both the VSX systems.

NEW QUESTION 39

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 44

A network administrator is attempting to troubleshoot a connectivity issue between a group of users and a particular server. The administrator needs to examine the packets over a period of time from their desktop; however, the administrator is not directly connected to the AOS-CX switch involved with the traffic flow. What is correct regarding the ERSPAN session that needs to be established on an AOS-CX switch? (Choose two.)

- A. On the source AOS-CX switch, the destination specified is the switch to which the administrator's desktop is connected
- B. On the source AOS-CX switch, the destination specified is the administrator's desktop
- C. The encapsulation protocol used is GRE
- D. The encapsulation protocol used is VXLAN
- E. The encapsulation protocol is UDP

Answer: AC

Explanation:

In AOS CX the remote mirroring is done using a tunnel interface, so the Mirror source and destination must be configured on each Switch. On the source Switch, the source interface (from where the traffic is mirrored) and destination interface (the tunnel interface to where the traffic is sent to). In the destination Switch, the source interface (which would be the tunnel interface (receiving the traffic from the source switch tunnel)) and the destination would be the client where Wireshark enabled client is connected.

NEW QUESTION 47

What is the purpose of the transit VLAN when implementing dynamic segmentation policies involving AOS-CX switches and an Aruba gateway solution?

- A. It identifies the VLAN that the user traffic will be assigned to when it comes out of the tunnel and is forwarded by the gateway.
- B. It identifies the VLAN that the user traffic will be assigned to, whether the traffic is tunneled or locally switched
- C. It defines the VXLAN identifier to identified UBT traffic between the AOS-CX switches and the gateway solution
- D. It identifies the VLAN that the switch will use when tunneling the traffic to the gateway

Answer: D

NEW QUESTION 49

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 54

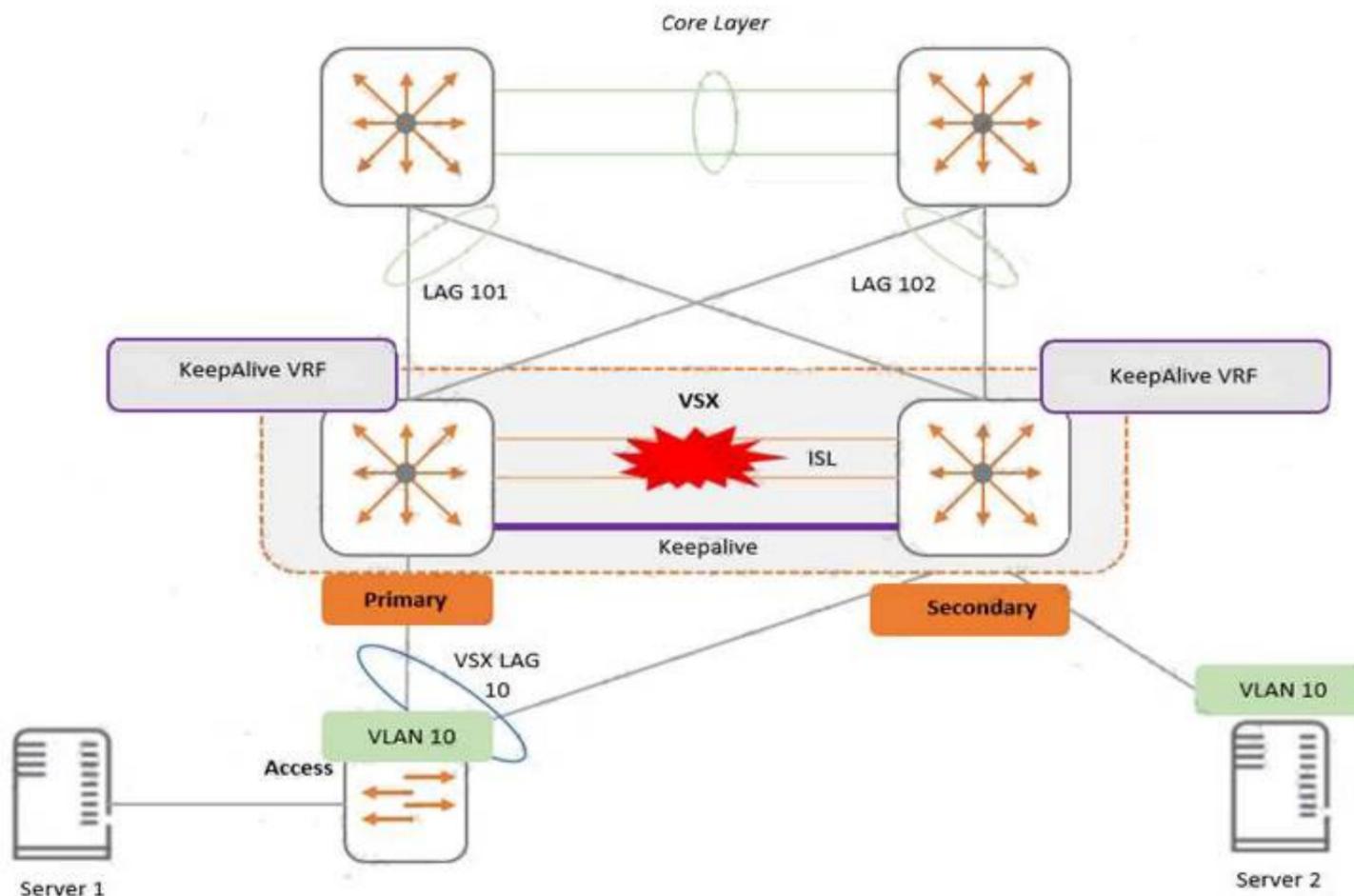
An administrator is implementing a multi-area OSPF network. The network contains a backbone (area 1) and two other areas (1 and 2) connected to ABRs in the backbone. The network has one routing switch connected to a service provider located in area 2. Which network design would minimize the number of routes in the routing switches' link state databases (LSDBs) while still allowing full connectivity?

- A. Area 0: Normal Area 1: Totally stubby Area 2: Totally stubby
- B. Area 0: Normal Area 1: Totally not-so-stubby Area 2: Totally stubby
- C. Area 0: Normal Area 1: Totally stubby Area 2: Totally not-so-stubby
- D. Area 0: Not-so-stubby Area 1: Totally not-so-stubby Area 2: Totally not-so-stubby

Answer: D

NEW QUESTION 59

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: B

NEW QUESTION 62

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: A

Explanation:

only 6400 support highly available during upgrades

NEW QUESTION 67

What is a best practice concerning voice traffic and dynamic segmentation on AOS-CX switches?

- A. Controller authentication and user-based tunneling of the voice traffic
- B. Switch authentication and user-based tunneling of the voice traffic
- C. Controller authentication and port-based tunneling of the voice traffic
- D. Switch authentication and local forwarding of the voice traffic

Answer: D

NEW QUESTION 68

What is true regarding VSX and keepalives on AOS-CX switches?

- A. A separate VLAN on the ISL link is used.
- B. A VSX LAG for the keepalives is a best practice.
- C. The OOBM port must be used.
- D. A 1GbE or faster port is used.

Answer: D

NEW QUESTION 73

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

Explanation:

https://www.arubanetworks.com/techdocs/AOS-CX/AOSCX-CLI-Bank/cli_8400/Content/QoS_cmds/wfq-que-x

NEW QUESTION 78

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 83

Which concept is implemented using Aruba's dynamic segmentation?

- A. Root of trust
- B. Device fingerprinting
- C. Zero Touch Provisioning
- D. Colorless port

Answer: D

NEW QUESTION 86

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 89

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 90

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: B

Explanation:

The key is to reduce the impact. VSF or not will have same impact when the switch reboots. But if the switch support always on poe then at least the POE clients will be ready before the switch finish booting up. If you dont have always on POE, then the poe clients will reboot AFTER the switch boots up.

NEW QUESTION 94

What is required when implementing captive portal an 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 95

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 99

How does an administrator install a script and create an agent and actions for the Network Analysis Engine running on AOS-CX switches?

- A. Access the switches' command-line interface.
- B. Access the switches' web user interface
- C. Use Aruba Central's web user interface
- D. Use the NetEdit web user interface

Answer: B

NEW QUESTION 104

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 108

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 109

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 114

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 115

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 120

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