

HP

Exam Questions HPE6-A73

Aruba Certified Switching Professional Exam



NEW QUESTION 1

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

Explanation:

Employees use 802.1x
The Aruba guest solution uses MAC-auth.
The Portal is not configured on the switch port.

NEW QUESTION 2

Which protocol does NetEdit use to discover devices in a subnet during the discovery process?

- A. LLDP
- B. ARP
- C. DHCP
- D. ICMP

Answer: A

NEW QUESTION 3

An administrator wants to implement a virtual switching technology that implements a single control-plane solution. Which S-CX switches would meet these criteria?

- A. All AOS-CX switching platforms
- B. AOS-CX 6300 and 6400 switches
- C. AOS-CX 6300, 6400, and 83xx switches
- D. AOS-CX 6300 switches

Answer: C

NEW QUESTION 4

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 5

Which statement is correct regarding ACLs and TCAM usage?

- A. Applying an ACL to a group of ports consumes the same resources as specific ACE entries
- B. Using object groups consumes the same resources as specific ACE entries
- C. Compression is automatically enabled for ASIC TCAMs on AOS-CX switches
- D. Applying an ACL to a group of VLANs consumes the same resources as specific ACE entries

Answer: B

NEW QUESTION 6

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 7

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: BC

Explanation:

ACSP Study Guide Page 66 - Key Features (Transfer files between the switch and your mobile device)

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

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 10

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 10

A company has implemented 802.1X authentication on AOS-CX access switches, where two ClearPass servers are used to implement AAA. Each switch has the two servers defined. A network engineer notices the following command configured on the AOS-CX switches:
radius-server tracking user-name monitor password plaintext aruba123
What is the purpose of this configuration?

- A. Implement replay protection for AAA messages
- B. Define the account to implement downloadable user roles
- C. Speed up the AAA authentication process
- D. Define the account to implement change of authorization

Answer: C

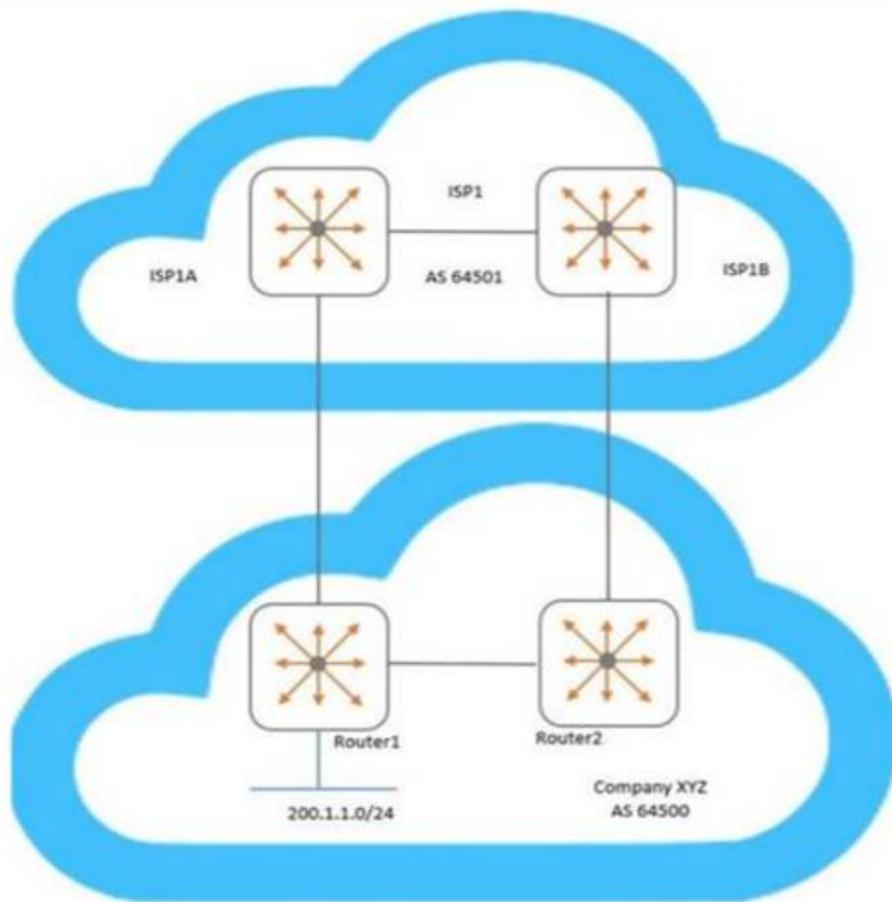
Explanation:

Radius service tracking locates the availability of the RADIUS service configured on the switch. It helps to minimize the waiting period for new clients in the unauth-vid (Guest Vlan) when authentication fails because of service is not available, as well as previously authenticated clients in unauth-vid (Guest Vlan) when re-authentication fails because service is not available during the re-authentication period. Note that this feature is disabled by default.

https://techhub.hpe.com/eginfolib/networking/docs/switches/WB/16-02/5200-1650_WB_ASG/content/ch04s04.

NEW QUESTION 14

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 17

A customer has twenty AOS-CX switches that will be managed by NetEdit and would like support for NetEdit these switches will exist in the network for at least five years.

Which type of licensing should be used by this customer?

- A. 20 Aruba NetEdit permanent licenses
- B. 20 Aruba NetEdit single node subscription licenses
- C. 25 Aruba NetEdit permanent licenses
- D. 1 Aruba NetEdit SMB License

Answer: B

NEW QUESTION 22

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

Explanation:

People seem to be confused by inverted mask/wildcard masks. They would be correct for Cisco switches, but AOS-CX does NOT use wildcard masks; "AOS-CX switches do not support wildcard masks - only prefixes or subnet masks - when created ACEs."
 Cisco: 255.0.255.0 = xx.123.xx.123 AOS-CX: 255.0.255.0 = 123.xx.123.xx

NEW QUESTION 25

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 30

Examine the AOS-CX configuration:

```
interface mgmt
  no shutdown
  ip static 10.1.1.1/24
  default-gateway 10.1.1.254
  exit
ssh server vrf mgmt
https-server vrf mgmt
https-server rest access-mode read-write
```

The switches have a default factory password setting NetEdit fails to access the configuration of the AOS-CX switches. What should the administrator do to solve this problem?

- A. Set a password for the default admin user account.
- B. Disable telnet globally.
- C. Use the default VRF instead of the mgmt VRF
- D. Enable IP routing globally

Answer: D

NEW QUESTION 35

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 40

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?

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

Answer: A

Explanation:

"BFD tests the connectivity between two IP addresses in a BFD session. BFD reports when connectivity is lost. The router (or routing switch) can then use that information to take the appropriate actions, depending on the functions to which you have tied BFD"

NEW QUESTION 45

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 49

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: B

Explanation:

https://techhub.hpe.com/eginfolib/Aruba/OS-CX_10.04/5200-6724/index.html#GUID-2048A4D8-5458-4C00-A

NEW QUESTION 53

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 58

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 59

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: A

NEW QUESTION 60

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 61

Examine the commands entered on an AOS-CX switch:

What is true regarding this configuration for traffic received on interface 100?

- A. The default next-hop address supersedes the two preceding next-hop addresses
- B. The traffic is always dropped if the next-hop addresses are unreachable
- C. The traffic will be routed with the IP routing table entries if the next-hop addresses are unreachable
- D. The next-hop address of 1.1.1.1 is overwritten by the next-hop address of 2.2.2.2

Answer: C

Explanation:

"interface null: equivalent to the policy drop policing action. Any packets matching the class criteria for that policy entry will be dropped and not routed any further."
<https://www.arubanetworks.com/techdocs/AOS-CX/10.05/HTML/5200-7300/index.html#GUID-DC7E5E47-8F>

More than one next hop can be assigned with an ACL and they work by priority (based on the sequence number: lower sequence number -> higher priority). So next-hop 2.2.2.2 will be used if 1.1.1.1 is not reachable. If both are unreachable, then the packet will be routed looking at the default routing table, if no specific entry will be found, then the packet will be routed to the default next hop defined in the ACL.

NEW QUESTION 65

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 70

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 73

An administrator wants to leverage the Network Analysis Engine (NAE) feature on AOS-CX switches to perform root cause analysis and to assist in quickly identifying problems. Which two AOS-CX databases does the administrator have access to when implementing scripts? (Select two.)

- A. Time-series
- B. API

- C. VSX
- D. Configuration
- E. Audit

Answer: AC

NEW QUESTION 75

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 76

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 77

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 78

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)

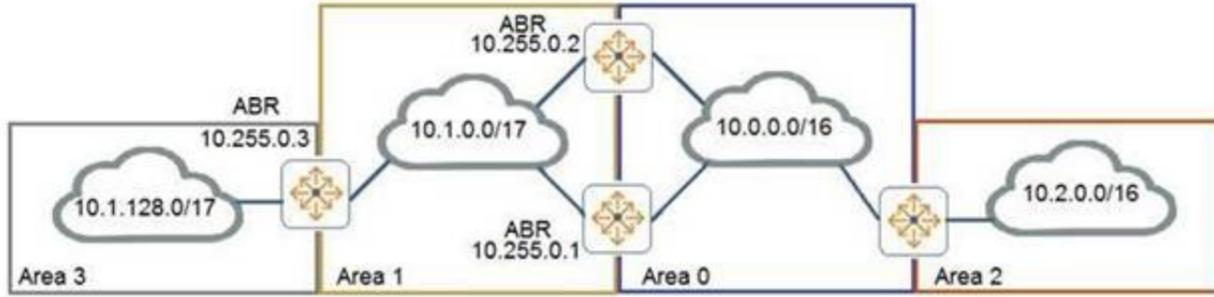
Answer: A

Explanation:

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

NEW QUESTION 80

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 85

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