

HP

Exam Questions HPE6-A47

Designing Aruba Solutions



NEW QUESTION 1

A customer needs a solution to terminate VPN tunnels for Aruba RAPs. The customer has a single site and a single public IP address for this purpose. Network address translation (NAT) will forward the IPsec traffic to the correct device to terminate the VPN tunnel. The customer also requires N+1 redundancy for the solution. Which solution meets the customer requirements?

- A. two Aruba MCs on the same subnet that use VRRP without clustering
- B. two Aruba MCs deployed as a Layer 3 cluster
- C. two Aruba MCs on different subnets that use VRRP without clustering
- D. two Aruba MCs deployed as a Layer 2 cluster

Answer: B

NEW QUESTION 2

An architect needs to plan a wireless deployment. The architect conducts a physical walkthrough, but still needs more information. Which significant RF obstacle can be difficult to see visually and might require access to blueprints?

- A. fiberglass
- B. metal firewall
- C. ceiling tiles
- D. drywall

Answer: A

NEW QUESTION 3

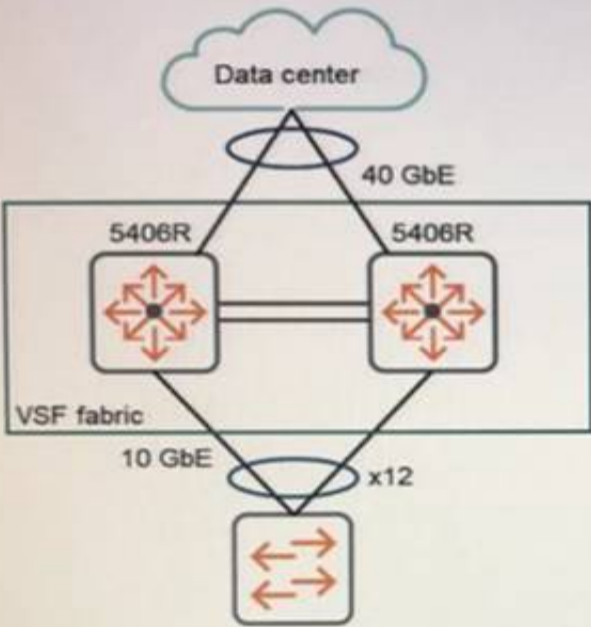
An architect proposes Aruba 2930F switches, which do not have OOBM ports. The customer wants to follow best practices for network management security. Which guideline can the architect follow?

- A. Assign access layer switches IP addresses on a VLAN that is dedicated for switch management.
- B. Ensure that DHCP is enabled on only the switch Default VLAN.
- C. Ensure that Telnet is enabled and set to listen on production VLANs.
- D. Assign switches static IP addresses on the same VLAN on which APs are deployed.

Answer: C

NEW QUESTION 4

Refer to the exhibit.
Exhibit 1 shows the logical plan, and Exhibit 2 shows the BOM created with IRIS. An architect plans to propose two 5406Rzl switches as a VSF fabric for a campus network core. Which issue with the plan should the architect correct?



The diagram shows a VSF fabric consisting of two 5406R switches connected by a horizontal line. Above the switches, a cloud labeled 'Data center' is connected to both switches via lines labeled '40 GbE'. Below the switches, a server icon is connected to both switches via lines labeled '10 GbE' and 'x12'.

Exhibit 2

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.00	J9821A	Aruba 5406R 2U Switch	Hewlett Packard Enter...	\$2,419.00	2	\$4,838.00	USA Price List (USD)
1.01	H1MT0E	HPE 3Y FC 24x7 Aruba 5406R 2U Switc SVC [for J9821A]	Hewlett Packard Enter...	\$4,094.00	2	\$8,188.00	USA Price List (USD)
1.02	U4832E	HPE Networks 54xx/82xx 2U Startup SVC [for J9821A]	Hewlett Packard Enter...	\$2,325.00	2	\$4,650.00	USA Price List (USD)
1.03	J9828A	Aruba 5400R 700W PoE+ 2U PSU	Hewlett Packard Enter...	\$799.00	2	\$1,598.00	USA Price List (USD)
1.04	J9828A	ABA INCLUDED: Power Cord - U.S. localization	Hewlett Packard Enter...	incl.	2		
1.05	J9996A	Aruba 2p 40GbE QSFP+ v2 2U Mod	Hewlett Packard Enter...	\$6,799.00	4	\$27,196.00	USA Price List (USD)
1.06	J9538A	HPE 8-port 10GbE SFP+ v2 2U Module	Hewlett Packard Enter...	\$4,799.00	4	\$19,196.00	USA Price List (USD)
2.00	JH234A	HPE X242 40G QSFP+ to QSFP+ 1m DAC Cable	Hewlett Packard Enter...	\$419.00	2	\$838.00	USA Price List (USD)
Quote Total						\$66,504.00	

- A. Add two QSFP+ MP0 SR4 transceivers.
- B. Change the v2 modules to v3 modules.
- C. Add stacking modules and cables.
- D. Change the power supply type.

Answer: B

NEW QUESTION 5

An architect needs to plan the bandwidth for two Aruba 7240 Mobility Controllers (MCs) which will connect to the network core. The customer indicates that four 10 GbE links between the network core and the data center will be adequate. The customer expects almost all traffic in the network will be wireless. The customer expects up to 25 Gbps upstream traffic from wireless clients and up to 35 Gbps downstream to wireless clients. The customer requires the MCs to be able to continue to forward traffic if up to one link fails, but lower performance during the failover situation is permissible. What are the minimal links to meet these requirements?

- A. two 10 GbE links on each of the MC
- B. two 40 GbE links in each of the MCs
- C. three 10 GbE links on each of the MCs
- D. four 10 GbE links on each of the MCs.

Answer: B

NEW QUESTION 6

An architect needs to deliver an upgrade to an 802.11ac-based solution for a customer. The customer requires an active site survey for the new deployment. Which deliverable should the architect provide to the customer?

- A. a heat map with proposed AP locations and actual tested coverage
- B. a heat map with existing AP locations and actual tested coverage
- C. a heat map with sources of RF interface, both 802.11 and non-802.11
- D. the heat map with proposed AP locations and predictive coverage

Answer: C

NEW QUESTION 7

Read this scenario thoroughly, and then answer each question that displays on the right side of the screen. An architect proposes these products for a customer who wants a wireless and wired upgrade:

- ▶ Aruba 2930M switches at the access layer
- ▶ Aruba 5406R switches at the core
- ▶ Aruba AP-325s
- ▶ Aruba 7205 Mobility Controllers (MCs), deployed in a cluster
- ▶ Aruba Mobility Master (MM)
- ▶ Aruba ClearPass Cx000V
- ▶ Aruba AirWare

The architect also needs to propose a security plan for the solution. The customer has 900 employees and up to 30 guests a day. The customer wants to protect the internal perimeter of the network with authentication and simple access controls. The customer is most concerned about wireless security, but also wants to ensure that only trusted users connect on the wire. However, the customer also wants all wired traffic to be forwarded locally on access layer switches. The customer already has a third-party firewall that protects the data center.

The customer wants to use certificates to authenticate user devices, but is concerned about the complexity of deploying the solution. The architect should recommend a way to simplify. For the most part users connect company-issued laptops to the network. However, users can bring their own devices and connect them to the network. The customer does not know how many devices each user will connect, but expects about two or three per-user. DHCP logs indicate that the network supports a maximum of 2800 devices.

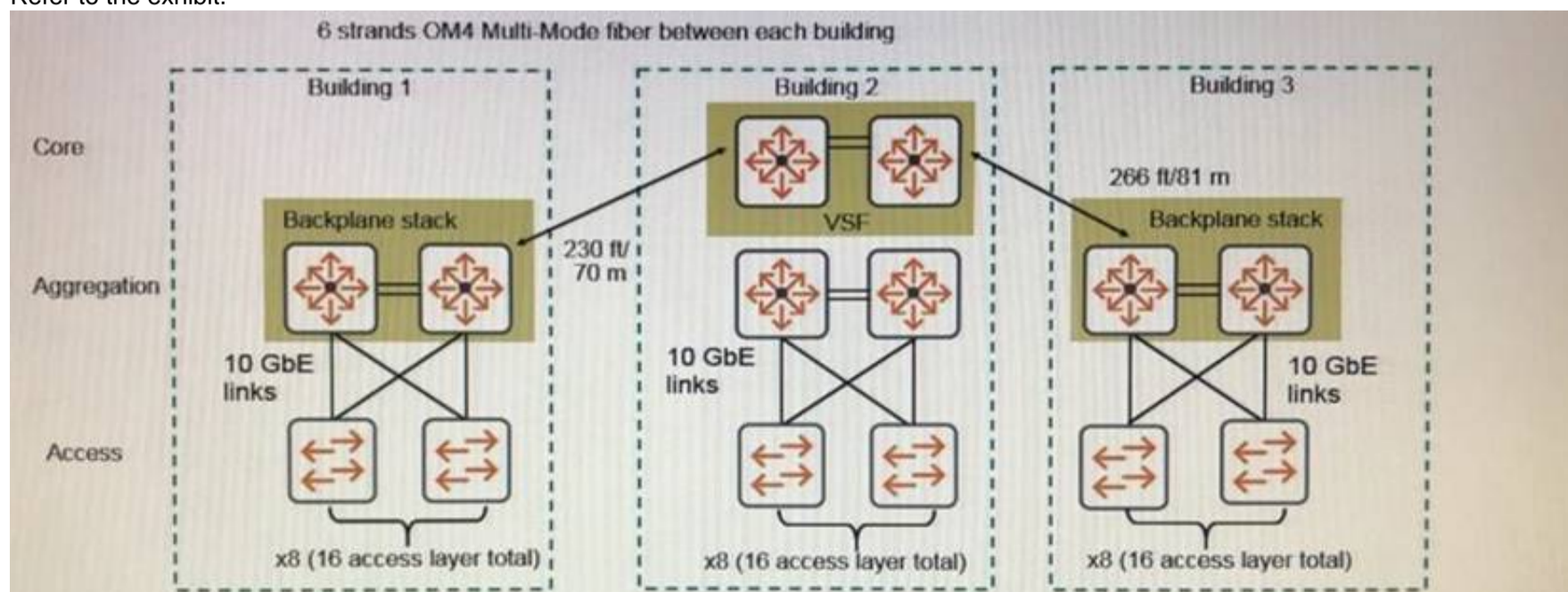
Refer to the provided scenario. Based on the plan for wired authentication, what is a correct plan for wired user VLANs?

- A. use the MCs to assign wired users to their VLANs, and extend the VLANs to a Layer 3 switch connected to the MC
- B. specify the VLANs in network policies on AirWare, and ensure that both the switches and MCs are managed by AirWare
- C. assign wired users to different VLANs from wireless users, based on port or role assignments on access layer switch
- D. Extend the VLANs to the core.
- E. configure the same roles on switches and MCs to place wired and wireless users in the same VLANs. Extend VLANs from access layer switches to the core.

Answer: C

NEW QUESTION 8

Refer to the exhibit.



An architect determines that 80 Gbps bandwidth is required for the link aggregation between the Building 1 aggregation layer and Building 2. Which transceivers should the architect recommend for each pair of switches?

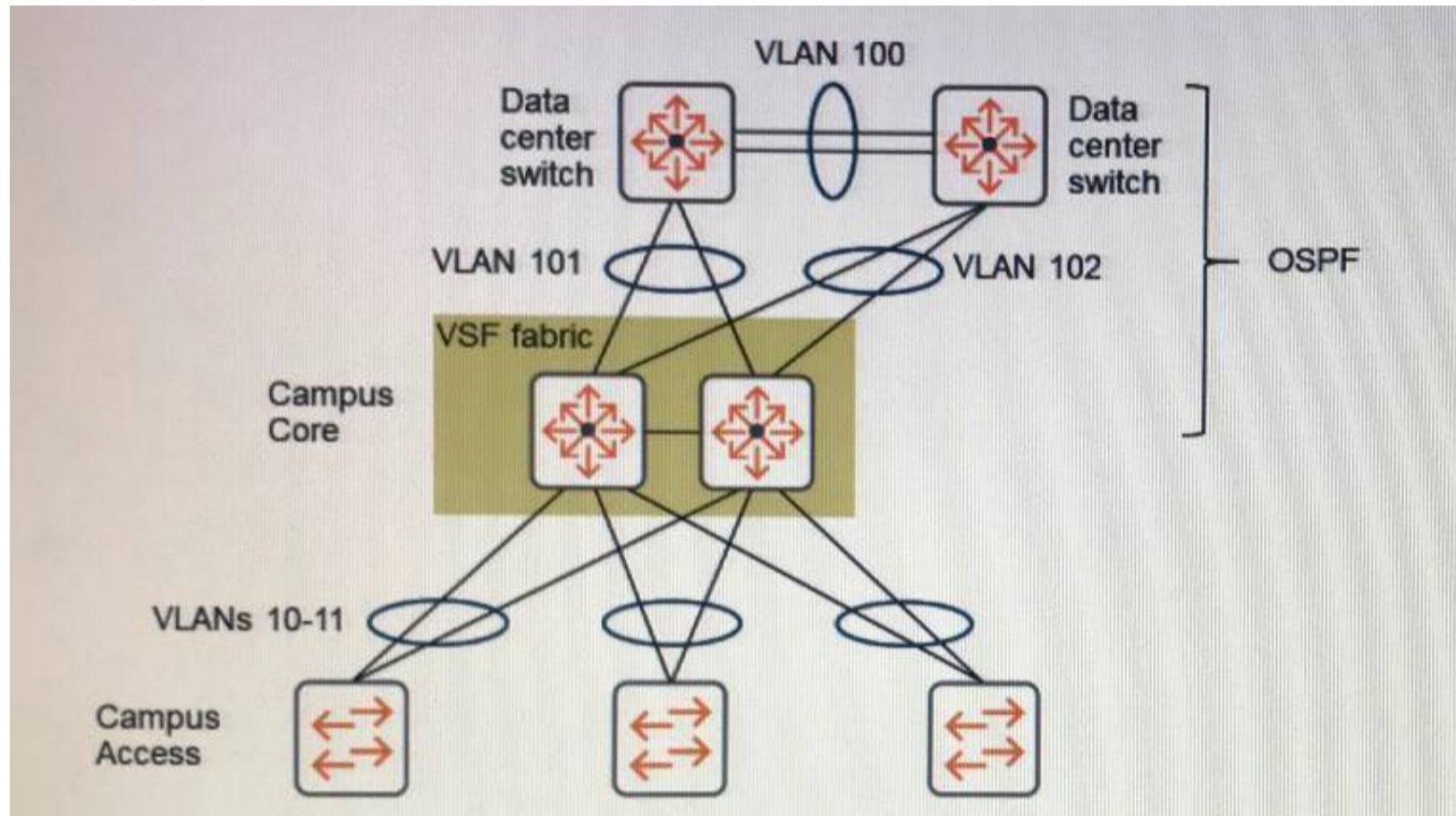
- A. two QSPF+ BiDi

- B. two QSPF+ MPO
- C. eight SPF+ LR
- D. eight SFP+ SR

Answer: B

NEW QUESTION 9

Refer to the exhibit.



The customer requires fast failover if any one link or core device fails. Which additional technology should the architect plan on the core VSF fabric to meet these criteria?

- A. OSPF graceful restart
- B. SmartLink
- C. BGP
- D. VRRP

Answer: C

NEW QUESTION 10

An architect learns that a customer site is 14,307 square meters (154,000 square feet) and supports 900 employees using WiFi 5 Ghz radio. What additional information should the architect collect to create the RF plan?

- A. number of devices used by each user
- B. the OS used on wireless devices
- C. whether BLE wayfinding is required
- D. software version on Mobility Controllers (MCs)

Answer: A

NEW QUESTION 10

An architect plans where to deploy new Aruba 320 Series APs at a customer site. The architect plans for the APs to be installed on the ceiling where power is inaccessible. The Ethernet cable run to these locations is CAT6, and the customer wants to support at least 1 GbE connectivity. The architect plans to connect each AP with one Ethernet port to a switch in a nearby wiring closet. Which feature does the switch need to support for this deployment?

- A. PoE+
- B. LACP
- C. Port channel
- D. Smart Rate

Answer: A

NEW QUESTION 14

An RF plan specifies wide sector directional antennas. Refer to the antenna specifications.

H- plane refers to the Azimuth or Horizontal plane and E-plane refers to Elevation or Vertical plane. Antenna 1: H-plane = 360; E-plane = 120

Antenna 2: H-plane = 360; E-plane = 60

Antenna 3: H-plane = 100; E-plane = 90

Antenna 4: H-plane = 60; E-plane = 60

Which antenna specifications indicate that the antenna is a good choice for the plan?

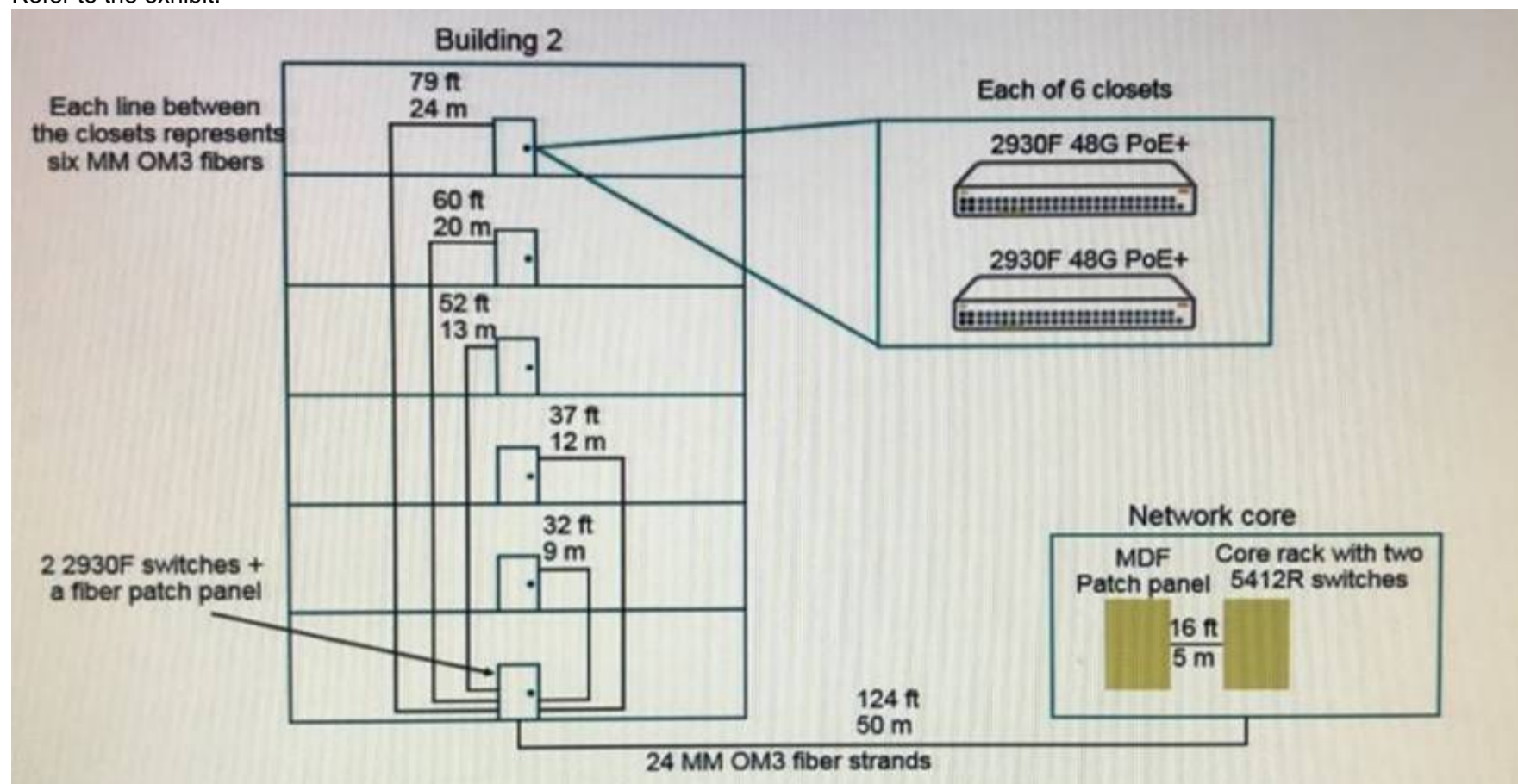
- A. Antenna 1
- B. Antenna 2

- C. Antenna 3
- D. Antenna 4

Answer: B

NEW QUESTION 15

Refer to the exhibit.



The exhibit shows the current plan for a wired network upgrade.

As much as possible, the customer wants to flatten the architecture and avoid recabling. However, each Building 2 switch must also maintain connectivity to the core if one link fails. What should the architect propose to meet the customer requirements?

- A. Use two additional 2930F switches to act as an aggregation layer for Building 2; connect them to the core on 40 GbE connections.
- B. Connect each Building 2 switch directly to the core on a single fiber strand through the use of SFP+-SR transceivers.
- C. Combine the switches in each Building 2 closet as a VSF fabric; establish two 10 GbE connections to the core per fabric.
- D. Extend additional fiber between the buildings so that each Building 2 switch can have a direct 10 GbE connection to the core.

Answer: C

NEW QUESTION 16

An architect needs to plan a very high density (VHD) wireless network at a large events venue, at which thousands of attendees are expected. The architect plans to deploy a cluster of Mobility Controllers (MCs) to control the APs. It is important to support seamless roaming for wireless device across the venue. What should the architect ensure for the network services?

- A. DHCP servers can support a high number of scopes with a /24 size.
- B. A third-party firewall integrates with ClearPass to filter the guest user traffic.
- C. A domain CA is set up to deploy certificates to a high volume of guest devices.
- D. DHCP and DNS servers are carrier-grade and support a low transaction time.

Answer: B

NEW QUESTION 21

What should an architect use as a guideline to determine when to define another VLAN for wireless devices?

- A. the WLAN or SSID, with a different VLAN for each SSID
- B. the AP deployment, with a different VLAN for each AP that is deployed
- C. the number of devices, with a different VLAN for each 250 devices
- D. the employee roles, with a different VLAN for each role or department

Answer: D

NEW QUESTION 26

An architect proposes four 7210 Mobility Controllers (MCs) to support about 1,500 client APs. The customer environment will have a maximum of about 20,000 wireless clients. The customer wants hardware MMs with an active and standby deployment. What is the minimum solution that meets the customer requirements?

- A. two MM-HW-10K appliances
- B. two MM-HW-5K appliances
- C. four MM HW-5K appliances
- D. four MM HW-10K appliances

Answer: B

NEW QUESTION 31

A customer has a small office building that needs approximately 32 APs. The solution must support basic rogue AP detection and provide a stateful firewall with role-based policies. The customer would like the simplest, most cost-effective deployment that meets their needs. What should the architect recommend?

- A. Aruba remote APs
- B. Aruba campus APs and a Virtual Mobility Controller
- C. Aruba Instant APs
- D. Aruba campus APs and an Aruba 7005 Mobility Controller

Answer: D

NEW QUESTION 32

An architect proposes the following Aruba solutions:

- ▶ Two Virtual Mobility Masters (VMMs)
- ▶ Six 7030 Mobility Controllers (MCs)
- ▶ 300 APs

In addition to any necessary AP, PEF, and RFP licenses, which license package should the architect propose?

- A. six LIC-MM-VA-50
- B. one LIC-MC-VA-250 and one LIC-MC-VA-50; one LIC-MM-VA-500
- C. one LIC-MM-VA-500
- D. one LIC-MC-VA-250 and one LIC-MC-VA-50; six LIC-MM-VA-500

Answer: C

NEW QUESTION 37

A customer requires a wireless upgrade. The architect proposes:

- ▶ Aruba AP-325s
- ▶ Mobility Controller (MC) 7210s
- ▶ Virtual Mobility Masters (MMs)
- ▶ ClearPass
- ▶ AirWave

The customer is interested in wired authentication, as well as wireless authentication, but does not have the budget to upgrade the wired network. The wired network does not currently support 802.1X or RADIUS.

Which feature of the Aruba solution should the architect explain to justify the proposed solution?

- A. The customer can direct all wired traffic through the MCs, which will then apply security to that traffic.
- B. The customer can direct all wired traffic through the MMs, which will impose basic security checks.
- C. ClearPass OnConnect can enable wired authentication on these switches through the use of SNMP.
- D. AirWave can manage these switches and shut down their ports if an unknown user or device connects.

Answer: C

NEW QUESTION 39

A customer requires APs that meet these minimal criteria:

- ▶ Support for MU-MIMO
- ▶ Support for up to four spatial streams, both when MU-MIMO is used and when it is not used
- ▶ Support for transmissions to up to three MU-MIMO clients at the same time

The architect finds these specifications for the two models under consideration:

AP-335 = 4x4:4:4:4:3

AP-325 = 4x4:4:4:3:3

What should the architect determine from these specifications?

- A. The AP 335 and the AP 325 do not meet the customer requirements, so consider a different model.
- B. The AP 325 meets the customer requirements, but the AP 335 does not.
- C. Either the AP 335 or the AP 325 meet the customer requirements.
- D. The AP 335 meets the customer requirements, but the AP 325 does not.

Answer: C

NEW QUESTION 40

An architect needs to help a customer design a management and monitoring solution for an Aruba network in an airport. The solution consists of an Aruba Mobility Master (MM), Aruba 7210 MCs, Aruba AP-335s, and Aruba 5496R switches. The architect plans to recommend Aruba AirWare.

The airport has a high-client device turnover and many highly mobile devices. Which changes should the architect make to the recommended solution based on this characteristic?

- A. Recommend additional hardware resources beyond those recommended for the typical tested AirWareplatform.
- B. Recommend extra AirWare device licenses to support the changing number of client devices.
- C. Recommend Aruba Central with a Clarity subscription as a more flexible cloud-based solution.
- D. Recommend Aruba Central with guest access licensing to increase guest visibility.

Answer: B

NEW QUESTION 41

What is one important guideline for antenna selection?

- A. Ensure that the beam-width exceeds 100 degrees.
- B. Ensure that the H-plane and E-plane values are within 45 degrees of each other.
- C. Ensure that the antenna is rated for 802.11ac usage.
- D. Ensure that the antenna is designed for the frequency used by the radio.

Answer: D

NEW QUESTION 43

An architect simulates VoIP calls and tests the throughput as 67 Kbps, packet loss as 0.3 percent, maximum latency as 100 ms, and maximum jitter as 100 ms. Which issue typically causes a poor experience for users?

- A. the packet loss
- B. the throughput
- C. the latency
- D. the jitter

Answer: D

NEW QUESTION 46

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