

Exam Questions HPE6-A47

Designing Aruba Solutions

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NEW QUESTION 1

A financial institution has an Aruba wireless system. Each floor is 19 meters by 23 meters (200 feet by 250 feet) and has 20 APs. The organization now requires dedicated Air Monitors (AMs). About how many AMs should the architect recommend per floor?

- A. about 1 or 2 per floor
- B. about 3 to 5 per floor
- C. about 10 to 12 per floor
- D. about 16 to 20 per floor

Answer: A

NEW QUESTION 2

A customer has very high availability requirements for wireless services. The architect plans to implement clustering on several Aruba Mobility Controllers (MCs). Which benefit of this feature should the architect explain?

- A. Clustering provides wireless client load balancing and seamless failover for client sessions.
- B. Clustering provides high stability because one MC is active for all sessions and one is standby for all sessions.
- C. Clustering enables an AP with a failed MC to operate on its own briefly to ensure seamless connectivity.
- D. Clustering enables an AP with a failed MC to reconnect to a new AP after a short bootstrap.

Answer: B

NEW QUESTION 3

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.

Which solution should the architect recommend on the 2930M switches to authenticate and control wired employee devices?

- A. MAC-Auth on edge ports and no tunneled node
- B. 802.1X on edge ports and per-user tunneled node
- C. 802.1X on edge ports and no tunneled node
- D. Mac-Auth on edge ports and per-user tunneled node

Answer: A

NEW QUESTION 4

A customer currently has an Instant AP deployment. Which customer requirement would indicate that the customer needs to add a controller to the deployment?

- A. the requirement to apply role-based firewall policies
- B. the requirement for a captive portal for guests
- C. the requirement to provide client-to-site VPN access for remote users
- D. the requirement for a cloud-based management solution

Answer: D

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 plan an 802.11ac wireless upgrade for a university building. What is one reason that it is important for the architect to identify auditoriums?

- A. Auditoriums typically require a high-density AP design for RF coverage.
- B. Users in Auditoriums often have Bluetooth devices, which can be a source of interference in the 5 GHz band.
- C. Auditoriums typically require the use of 80 MHz channels to meet bandwidth requirements.
- D. Auditoriums often require the use of DFS channels for sufficient 20 MHz channels.

Answer: D

NEW QUESTION 7

What is one reason to recommend dedicated Air Monitors (AMs) for a customer, as opposed to APs that are doing WIPS in AP mode (hybrid)?

- A. AMs can operate in a hybrid operation mode in which they can support clients, scan for threats, and contain detected threats.
- B. AMs can implement wireless containment on any channel on which they detect a threat without negative impact on clients.
- C. AMs can detect both 802.11 and non-802.11 sources of interference to the wireless network, while APs cannot.
- D. AMs can maintain client and AP blacklists on their own without the need to communicate with a Mobility Controller (MC).

Answer: B

NEW QUESTION 8

Which benefit does Aruba AirWare Clarity provide to customer IT staff?

- A. assesses times for clients to obtain DHCP and DNS services to help staff diagnose non-WiFi related issues
- B. create a heat map of RF coverage, shows places with interference, and helps staff pinpoint the interference source
- C. provides insight into the security posture of clients connected to the network, whether wired or wireless
- D. maps all network devices, including APs, MCs, switches, and client devices, and provides information about each node

Answer: A

NEW QUESTION 9

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

A customer needs a networking solution that supports their Microsoft Skype for Business Unified Communications (UC) solution. The architect plans to use multiple Aruba APs, switches, and controllers.

The customer wants real time statistics and assessment of call quality. Which component should the architect include to provide these services?

- A. Aruba AirWare
- B. Aruba Central
- C. Aruba Mobility Master (MM)
- D. Aruba ClearPass

Answer: B

NEW QUESTION 10

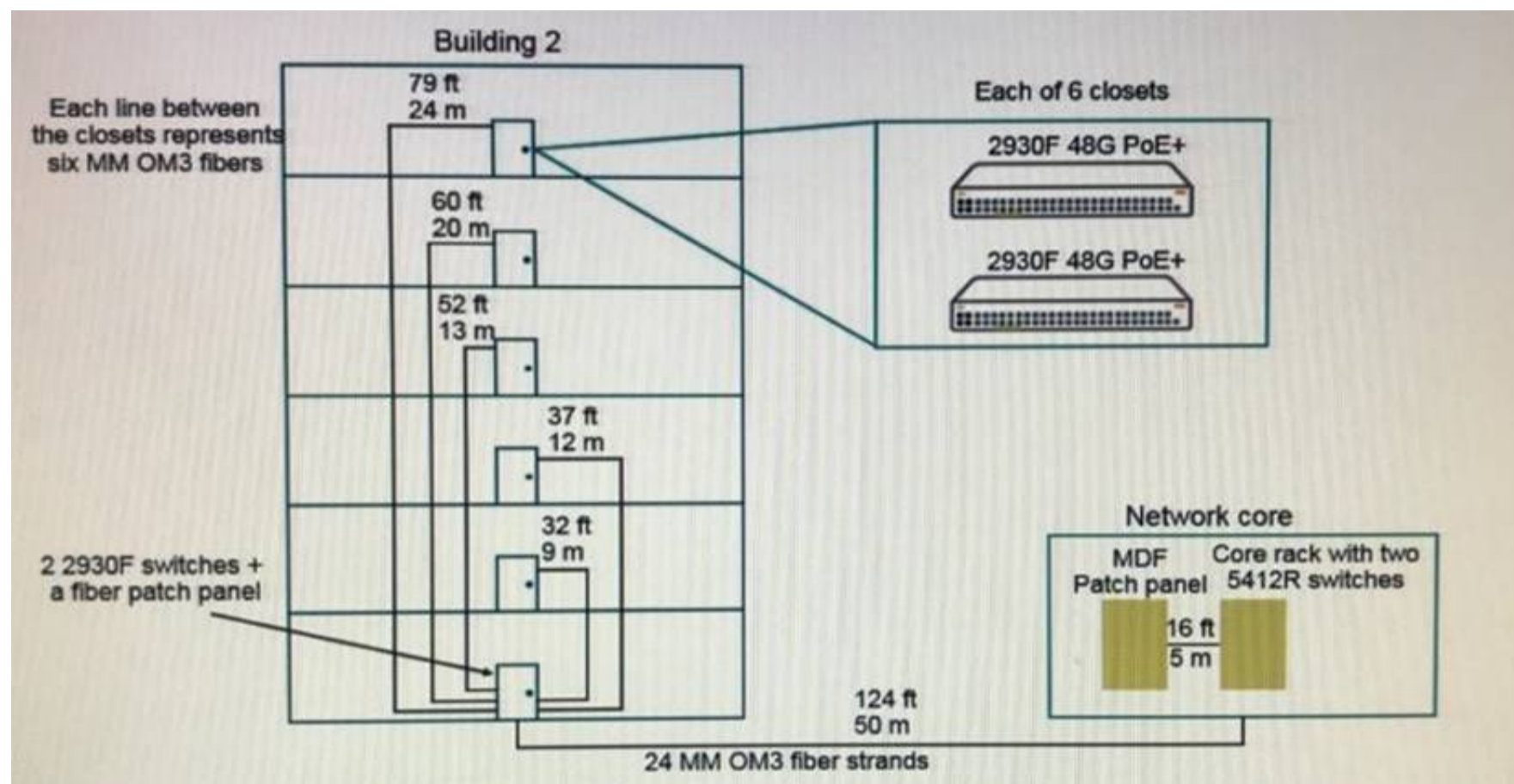
An architect proposes an Aruba wireless solution for a customer that uses Microsoft Skype for Business. What should be set up on the MCs, or MM, to ensure that wireless voice traffic is properly prioritized?

- A. Firewall policies and SDN to mark voice
- B. Broadcast suppression combined with AirGroup
- C. Airtime Fairness set to fair-access
- D. Voice-aware Layer 3 roaming

Answer: D

NEW QUESTION 12

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 17

An Aruba wireless solution for a very high density (VHD) wireless solution consists of a Mobility Master (MM) and two Mobility Controllers (MCs). What is the best practice design for routing the wireless traffic?

- A. The MCs provide the default gateway services for wireless devices and use static routers.
- B. The MCs act at Layer2, and the MM acts as the default gateway.
- C. The MCs act at Layer2, and core routing switches act as the default gateway.
- D. The MCs provide the default gateway services for wireless devices and use OSPF.

Answer: B

NEW QUESTION 19

For which scenario does the Aruba backplane stacking technology meet the needs?

- A. The customer needs to deploy a pair of aggregation switches in the same closet, and wants to simplify the architecture and redundancy design.
- B. The customer needs to simplify the deployment of core switches which are located in different closets for redundancy purposes.
- C. The customer needs to expand the network and make it possible for the current core switches to support more MAC forwarding and ARP entries.
- D. The customer needs to deploy a switch at a branch office and have the switch automatically discover and join the network stack at the main office.

Answer: B

NEW QUESTION 23

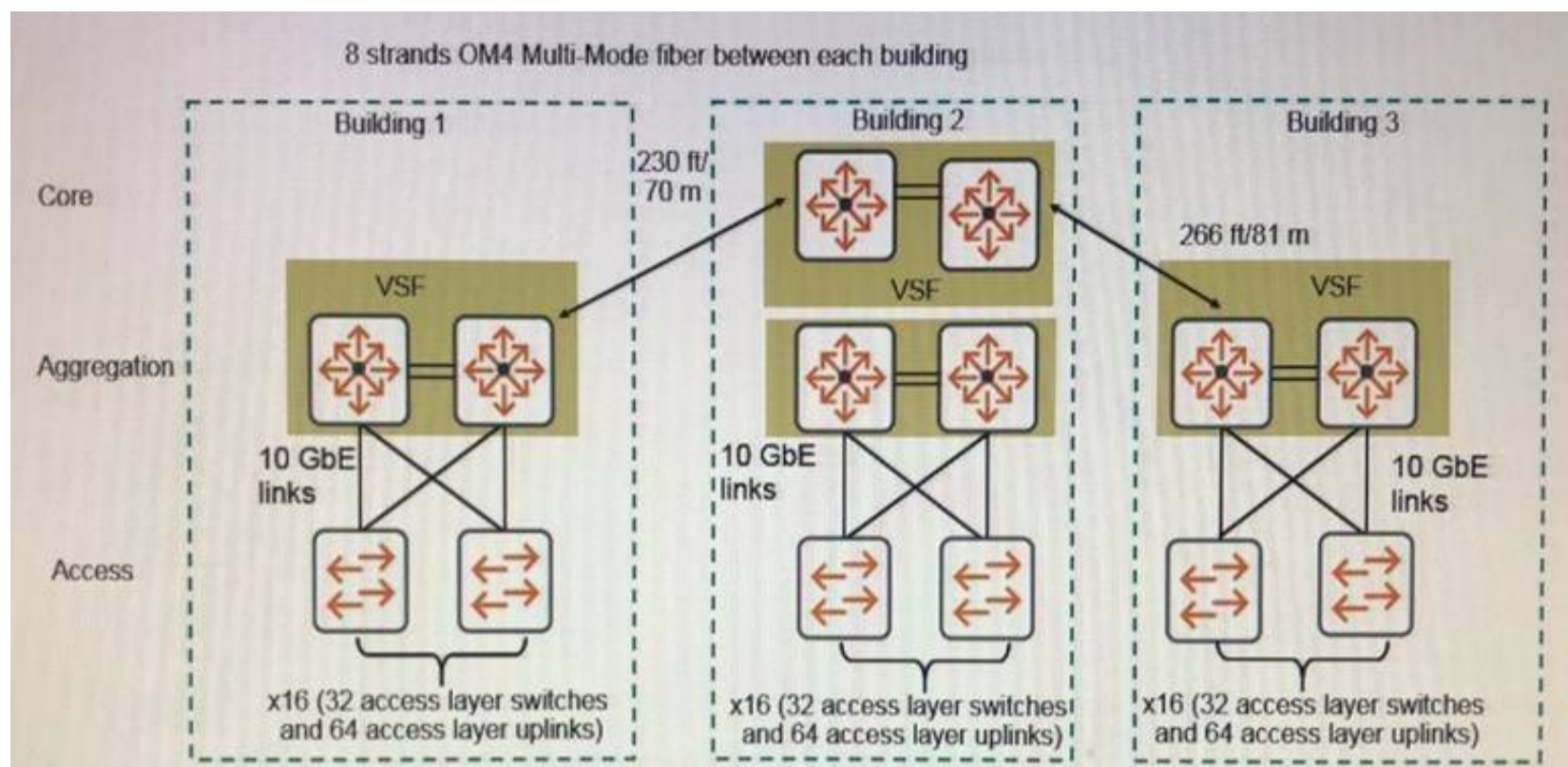
An architect plans to deploy a Mobility Controller (MC) at one building in subnet 10.23.01.0/24 and another MC in another building in subnet 10.44.12.0/24. The MCs need to provide redundancy for each other. What must the architect take into account in the redundancy plan?

- A. The MCs cannot provide any level of redundancy for each other unless one is moved into the other's subnet.
- B. The MCs cannot be in a cluster, and they must use Virtual Router Redundancy Protocol (VRRP) to provide redundancy for each other.
- C. The MCs can be in a cluster, but the cluster will not support features such as stateful failover.
- D. Each MC can be the backup LMS for the other MCs' APs, but it cannot be in a cluster with the other MC.

Answer: B

NEW QUESTION 25

Refer to the exhibit.



An architect selects 5406R switches for the aggregation layer. What is an appropriate amount of bandwidth for the link aggregation between each aggregation layer VSF fabric and the campus core?

- A. 60 Gbps
- B. 160 Gbps
- C. 200 Gbps
- D. 320 Gbps

Answer: C

NEW QUESTION 26

An architect needs to plan 802.11ac wireless deployment for an office environment with a mix of closed offices and cubicles. The coverage area is approximately 4,645 square meters (approximately 50,000 square feet) and has 350 users. The employees use the wireless network for typical office applications, such as email, Web, printing, and accessing shared files and datacenter services.

The architect plans to do a predictive site survey and use VisualRF to plan the coverage. What is a general estimate for the AP count that the architect should have in mind?

- A. 5-10
- B. 10-15
- C. 20-25
- D. 40-45

Answer: D

NEW QUESTION 31

An architect plans to purpose two Aruba Mobility Controllers (MCs) in a cluster. The customer has a large building that needs to support about 10,000 devices. The architect plans to associate the Employees WLAN with VLAN ID 10.

What is one Aruba best practice for this design?

- A. Ensure that VLAN 10 is extended to the edge and Aruba APs are deployed on it.
- B. Ensure that each user role on the MCs is associated with a different VLAN ID.
- C. Ensure that the RADIUS server assigns users to different VLANs dynamically.
- D. Ensure that optimization and suppression of unnecessary multicast is enabled.

Answer: C

NEW QUESTION 32

A customer needs a wired network solution that can recognize and prioritize a wide array of different types of traffic, including casual Web browsing, voice, video, SAP Online, and file sharing.

The architect needs to choose between the Aruba 2930F or the 2540 Switch Series for the access layer switch. Why would the architect choose the 2930F rather than the 2540 Switch Series for this customer?

- A. The 2930F Series supports LLDP-MED for detecting VoIP traffic, while the 2540 Series does not.
- B. The 2930F Series supports advancing routing, including multi-area OSPF, while the 2540 Series does not.
- C. The 2930F Series supports more options for class-based QoS policies than the 2540 Series.
- D. The 2930F Series can provide better congestion management with its much deeper buffers.

Answer: D

NEW QUESTION 35

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