

# HPE6-A47 Dumps

## 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**

A customer needs an 802.11ac upgrade for an office with cubicles. The customer states that, because they planned locations for the existing 802.11n APs so that there are no coverage holes, they will simply deploy the new 802.11ac APs in the same location as the existing APs. The customer plans to support mobile devices in addition to laptops.

What should the architect explain about why a site survey is desirable to determine the optimal locations for the new APs?

- A. An 802.11ac deployment typically works better with side-mounted, rather than ceiling-mounted, APs, and a site survey will help determine the new mounting locations.
- B. The new 802.11ac deployment should have a capacity-based design for the best performance, but the existing deployment sounds like a coverage-based design.
- C. 802.11ac AP radios tend to be more sensitive to 2.4 GHz interference than 802.11n APs, so the architect needs to search for all potential sources of such interference.
- D. 802.11ac APs can support a higher density of clients, so they can be deployed farther apart than the APs in most existing 802.11n deployments.

**Answer:** A

**NEW QUESTION 4**

The customer has an office environment with users who have laptops that can connect with wired or wireless. Users also bring one or two of their own devices. An architect creates a proposal with Aruba AP-325s, 7210 Mobility Controllers (MCs), a Mobility Master (MM), and Aruba 2930M switches at the access layer to support the laptops and APs.

The architect plans to recommend 802.1X authentication without tunnelled node on Aruba 2930M switch ports that connect to laptops. What is one advantage of this form of authentication?

- A. ensures that Aruba firewall policies apply to wired user traffic.
- B. prevents users from connection attempts with more than three devices
- C. enables user access control and ensures only authorized users connect.
- D. provides a second layer of protection for wireless users at the internal perimeter

**Answer:** C

**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**

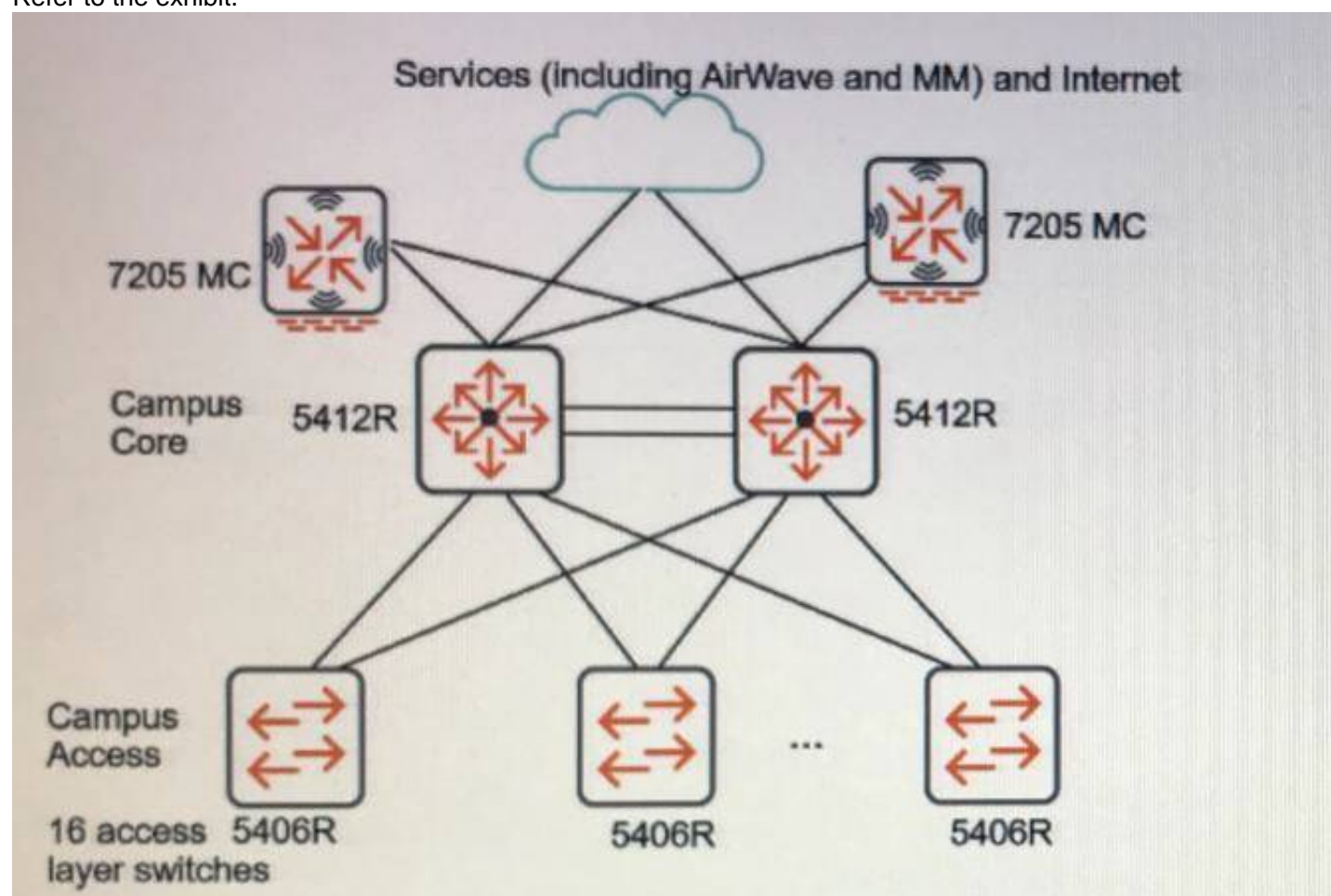
What is one reason to recommend dedicated Air Monitors (AMs) for a customer, as opposed to APs that are doing WIPS in AP mode (hybrid)?

- 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 7

Refer to the exhibit.



What is one reason for an architect to recommend the use of Virtual Switching Framework (VSF) in this network?

- A. VSF enables software-defined network monitoring in conjunction with AirWare.
- B. VSF transforms switches into virtual extensions of the MCs to simplify MST management.
- C. VSF enables administrators to manage all 18 switches as a single switch.
- D. VSF simplifies the topology and eliminates the need for spanning tree.

**Answer: D**

### NEW QUESTION 8

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.

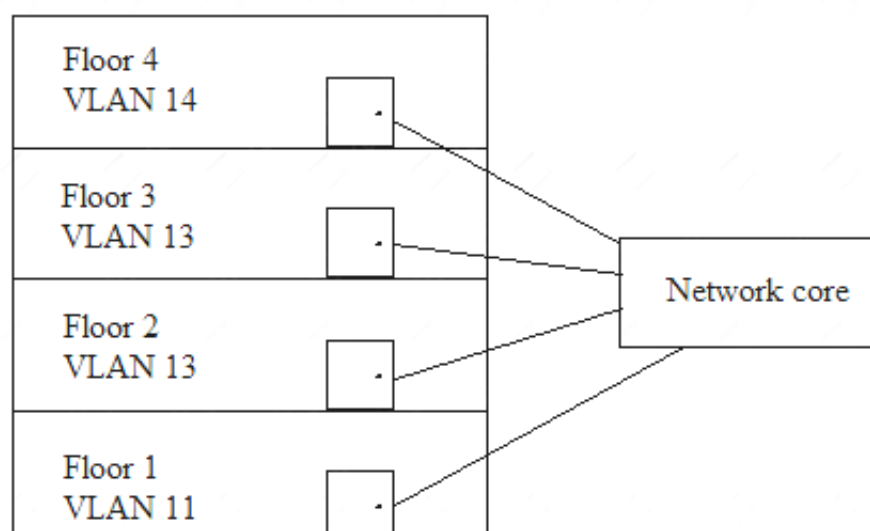
The customer wants real time statistics and assessment of call quality. Which component should the architect include to provide these services?

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

**Answer: B**

### NEW QUESTION 9

Refer to the exhibit.



A customer needs to upgrade the wireless network at their campus, which has a single large building. Employees use the wireless network to access the Internet and centralized services. The building has four floors.

These are the requirements:

- ▶ 30 APs on each floor
- ▶ A Mobility Master (MM)-based architecture
- ▶ Deployment of one Aruba 7030 Mobility Controller (MC) on each floor, with the MCs combined in a cluster for seamless client failover and roaming

What should the architect explain to the customer about the proposed solution?

- A. MCs should be deployed centrally on the same VLAN to better meet these goals
- B. MCs in a cluster must have additional AP licenses to support APs of a failed controller

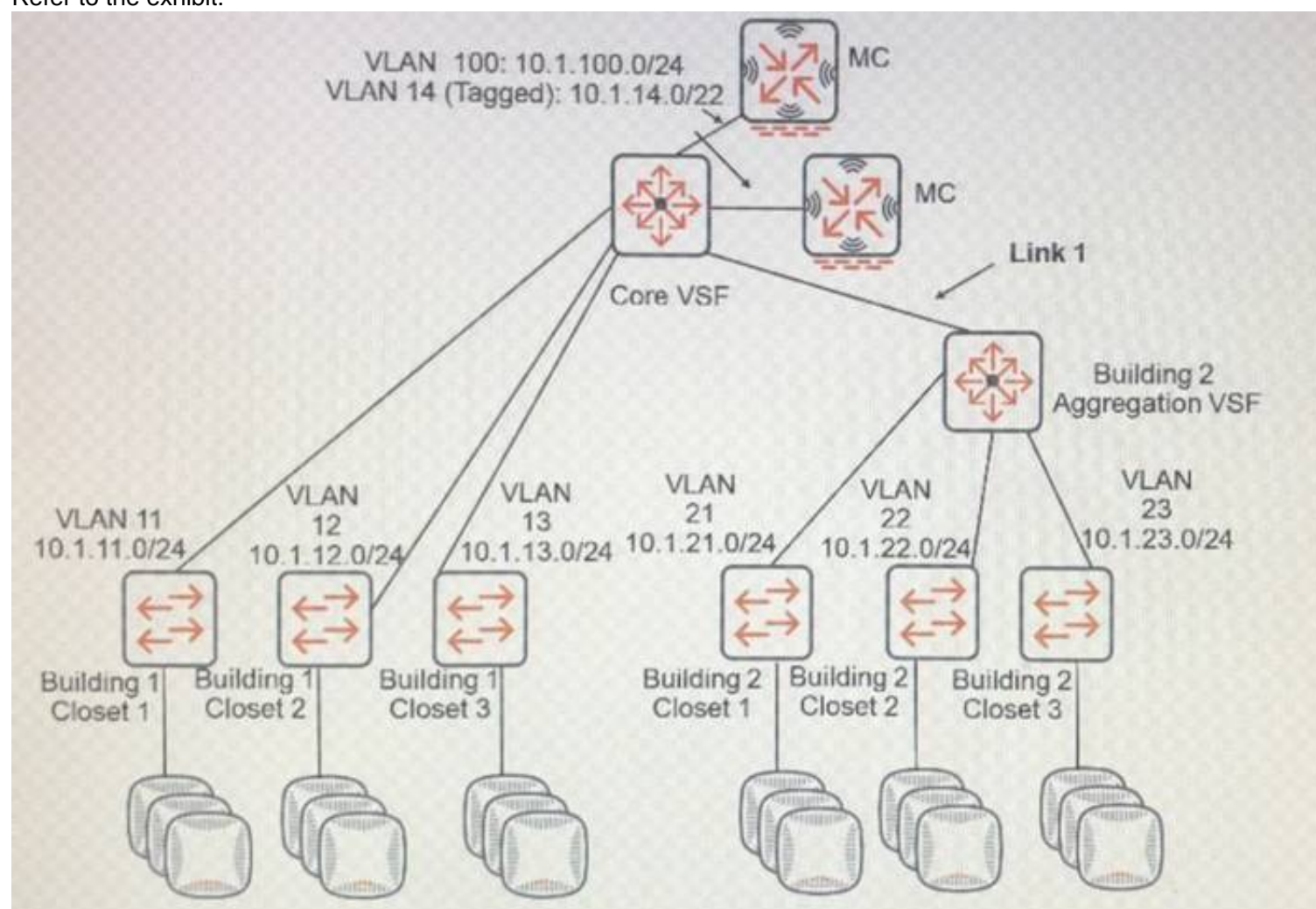


- C. The MC 7030 does not support enough APs for the requirements  
D. The MC 7030 only supports clusters with up to three members

**Answer: A**

## NEW QUESTION 10

Refer to the exhibit.



The customer needs to expand its wired and wireless network to a new building, Building 2, which is near the existing building, Building 1. The exhibit shows the logical plan that the architect has created so far. The aggregation layer switches in the new building should provide the default gateway services for the VLANs in the new building and route traffic to the core. The existing Aruba Mobility Controllers (MCs) will control the new APs.

What should be the VLAN assignment for Link 1, indicated in the exhibit?

- A. an unused VLAN such as 200  
B. VLANs 21, 22, and 23 only  
C. VLANs 11, 12, 13, 21, 22, and 23  
D. the default VLAN and VLAN 14

**Answer: C**

### NEW QUESTION 10

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 MM 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 13

A customer has several clusters of Aruba 325 Instant APs. The customer is happy with the performance of the current APs, but would like to add a Mobility Controller (MC). What should the architect propose?

- A. the purchase of Universal APs that are the same modes as the current APs.  
B. Aruba ClearPass to onboard the APs as campus APs in the new MC-based deployment  
C. conversion of the existing Instant APs to campus APs (CAPs)  
D. a Virtual Mobility Controller (VMC) which can be licensed to control Instant APs

**Answer: D**

## NEW QUESTION 17

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?

- Ensure that VLAN 10 is extended to the edge and Aruba APs are deployed on it.
- Ensure that each user role on the MCs is associated with a different VLAN ID.
- 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 19**

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 23**

An architect needs to plan the RF coverage. Which application has the greatest potential impact on RF design?

- A. print
- B. email
- C. voice
- D. secure web browsing

**Answer:** D

**NEW QUESTION 28**

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 31**

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