



# HPE6-A47<sup>Q&As</sup>

Designing Aruba Solutions

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## QUESTION 1

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:

1.

Aruba 2930M switches at the access layer

2.

Aruba 5406R switches at the core

3.

Aruba AP-325s

4.

Aruba 7205 Mobility Controllers (MCs), deployed in a cluster

5.

Aruba Mobility Master (MM)

6.

Aruba ClearPass Cx000V

7.

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



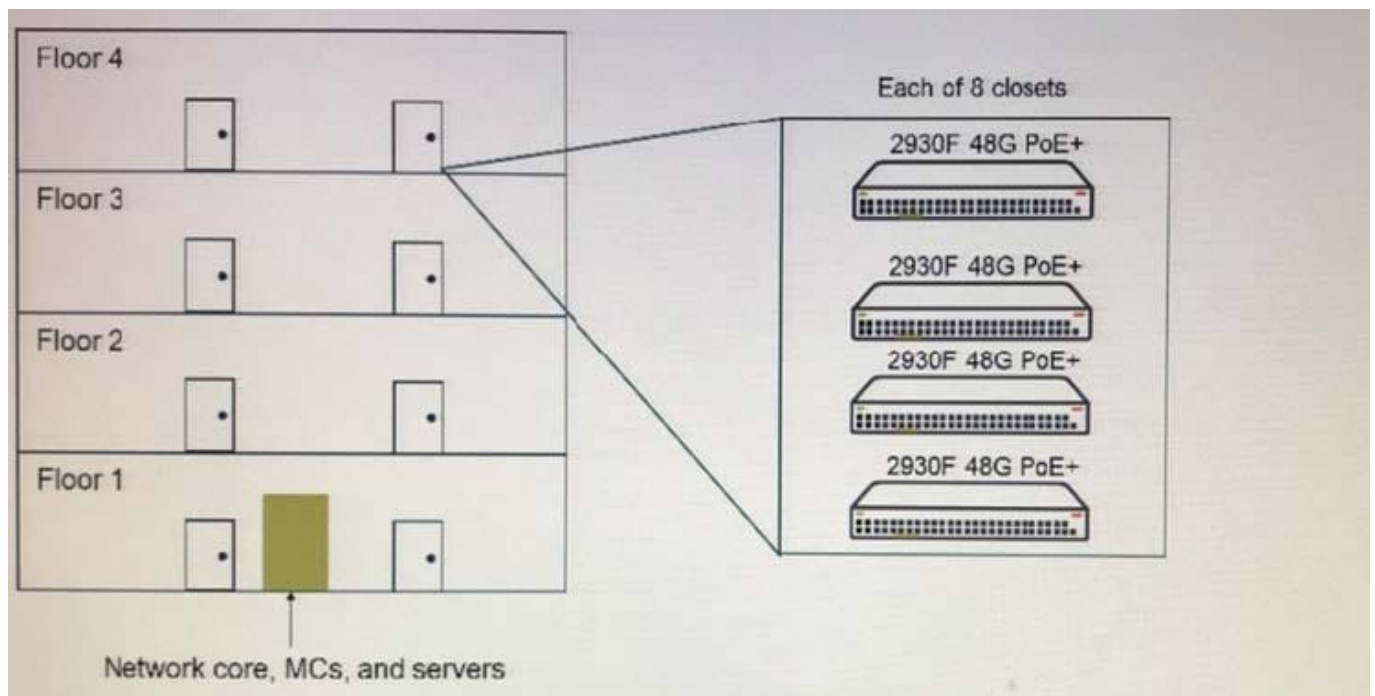
switches. Extend the VLANs to the core.

D. 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.

Correct Answer: C

## QUESTION 2

Refer to the exhibit.



An architect needs to plan a network solution for a new office building with four floors. Each floor has two wiring closets with the equipment shown in the exhibit. The switches will connect to employee desktops, a few campus APs controlled by MCs, and printers. The switches do not implement tunneled node.

What is a best practice design for the VLANs and subnets for the wired devices?

- A. one VLAN per closet and a /24 subnet for each VLAN
- B. one VLAN per closet and a /25 subnet for each VLAN
- C. one VLAN for the entire building and a /23 subnet
- D. one VLAN per floor and a /24 subnet for each VLAN

Correct Answer: B

## QUESTION 3

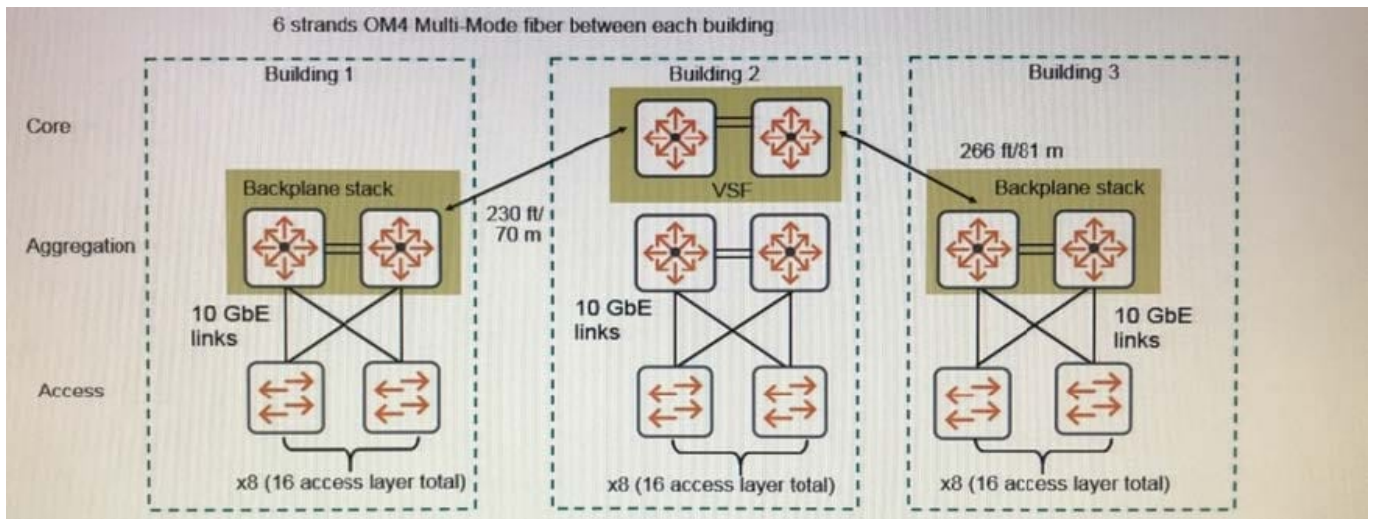
An architect proposes the following Aruba solutions:



- 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
- Correct Answer: C

#### QUESTION 4

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

Correct Answer: B

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#### QUESTION 5

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.

Correct Answer: C

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