

HPE6-A47^{Q&As}

Designing Aruba Solutions

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QUESTION 1

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 AirWare platform.
- 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.

Correct Answer: B

QUESTION 2

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

Correct Answer: D

QUESTION 3

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.

Correct Answer: B

QUESTION 4

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.

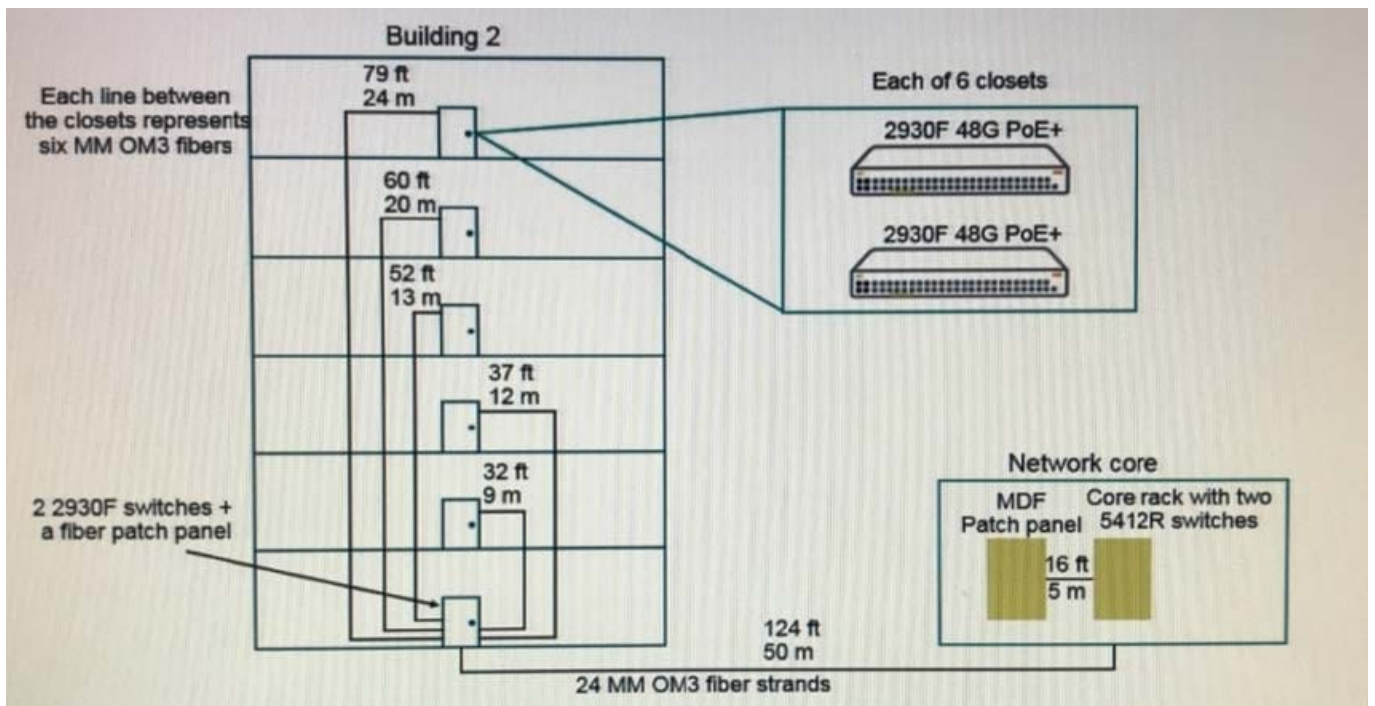
What is a general estimate for the AP count that the architect should have in mind?

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

Correct Answer: D

QUESTION 5

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.

Correct Answer: C

QUESTION 6

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.

Correct Answer: B

QUESTION 7

A customer needs a wireless solution upgrade. Among the devices that need wireless access are printers. What information about the printers does the architect need to plan the wireless solution? (Select two.)

- A. whether the printers are physically locked down
- B. the identify of users who need to access printers
- C. whether the printers support Power over Ethernet (PoE)
- D. whether the printers support 802.1X

E. the 802.11 standards supported by the printer

Correct Answer: C

QUESTION 8

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

Correct Answer: D

QUESTION 9

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

Correct Answer: B

QUESTION 10

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.

Correct Answer: D

QUESTION 11

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.

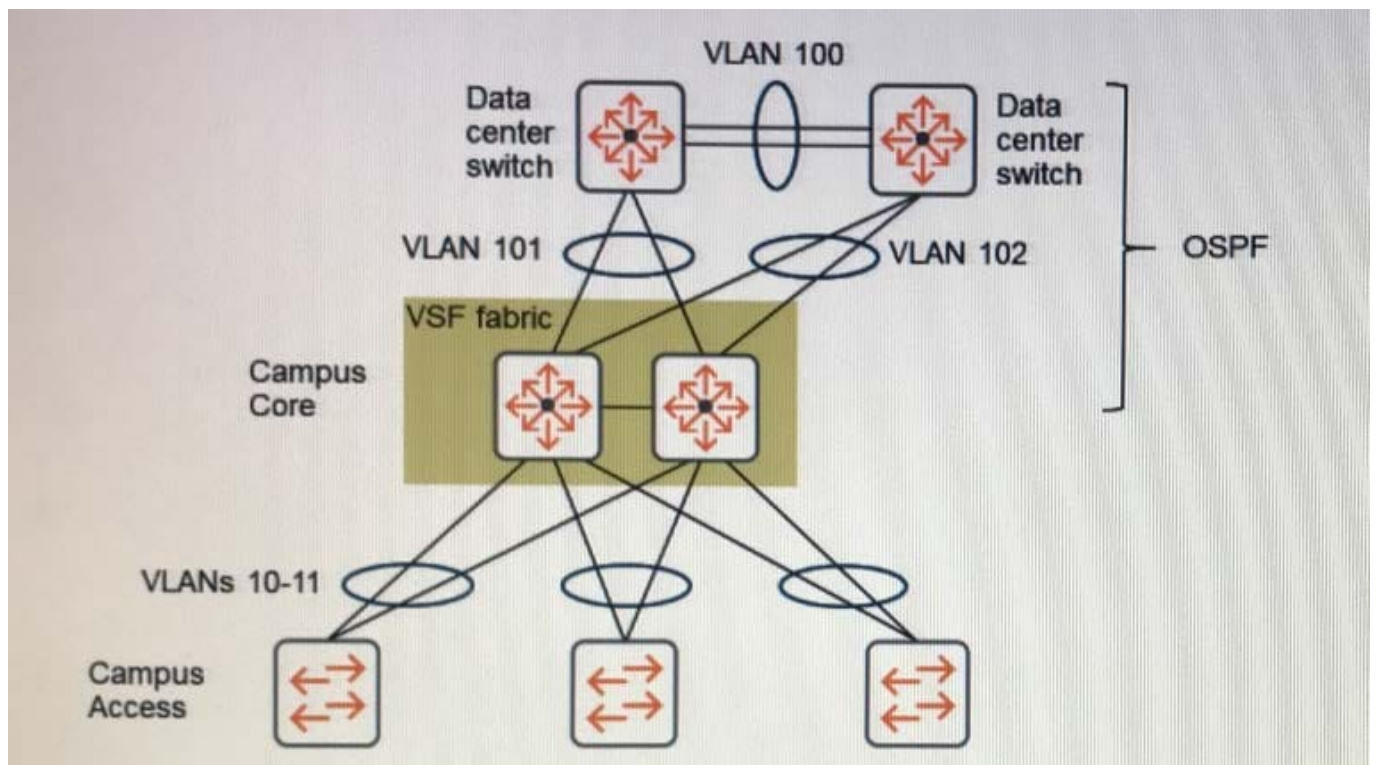
What should the architect recommend?

- 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

Correct Answer: D

QUESTION 12

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

Correct Answer: C

QUESTION 13

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.

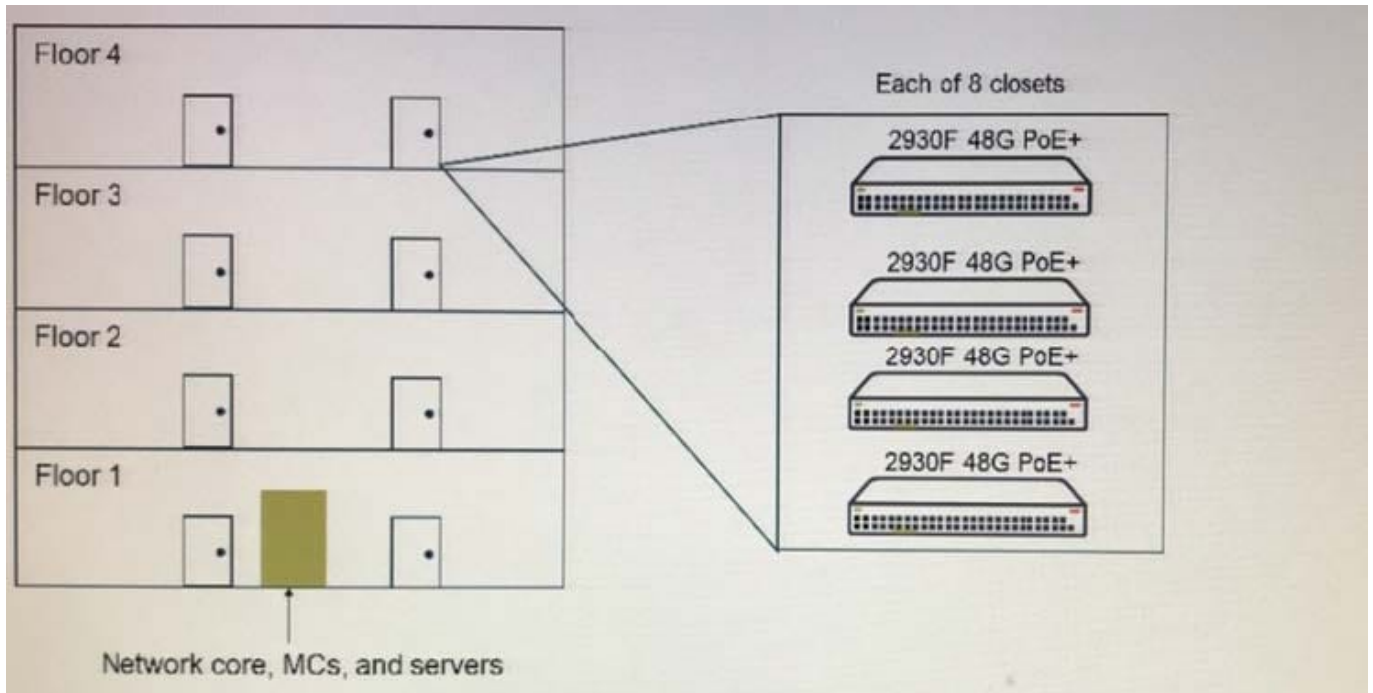
Which solution meets the customer requirements?

- 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

Correct Answer: B

QUESTION 14

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 15

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

Correct Answer: A

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