



HP

Exam Questions HPE6-A47

Designing Aruba Solutions

NEW QUESTION 1

Refer to the exhibit.
Exhibit 1.

Exhibit 2.

Exhibit 1 shows the logical plan, and Exhibit 2 shows the BOM that the administrator has made in Iris. What is missing from the IRIS BOM?

- A. stacking modules and cables
- B. stacking licenses
- C. 10 GbE direct attach cables
- D. an uplink module for one of the switches

Answer: C

NEW QUESTION 2

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 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 ClearPass licenses should the architect include in the proposal?

- A. 1,000 Access licenses and 1000 Onboard licenses
- B. 1,000 Access licenses and 3,000 (3x1000) Onboard licenses
- C. 3,000 Access licenses (3x1000) and 1000 Onboard licenses
- D. 3,000 Access licenses and 3,000 (3x1000) Onboard licenses

Answer: B

NEW QUESTION 4

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 5

A customer requires high availability for wireless services, including stateful failover for user connections if the Mobility Controller (MC) that handles the user traffic fails. What is the requirement for the design?

- A. MCs are deployed in a cluster, and they are on the same VLAN
- B. MCs are distributed across each VLAN on which APs are deployed and have VRRP enabled.
- C. MCs have a standby master IP address assigned to them.
- D. MCs have enough licenses to support the APs for which they are active and standby MC.

Answer: B

NEW QUESTION 6

An architect plans 12 APs for an auditorium that is 325 square meters (3, 498 square feet). Each AP has one 2.4 GHz radio and one 5 GHz radio. Both types of radios use 20 MHz channels.

Assume that DFS channels can be used in this design. How many 5 GHz collision domains does this design provide?

- A. 1
- B. 6
- C. 12
- D. 25

Answer: B

NEW QUESTION 7

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 8

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 9

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 10

An architect has an Instant AP (IAP) cluster at a mid-sized branch office. The IAP cluster now needs to tunnel corporate traffic to a Mobility Controller (MC) at the main office. However, the branch office should remain functional even if the link to the main office fails. Users at the branch office require access to main office resources, but do not require multicast services.

What is the recommended DHCP mode?

- A. Local
- B. Centralized L2
- C. Distributed L2
- D. Distributed L3

Answer: D

NEW QUESTION 10

Refer to the exhibit.

A customer wants to replace the core and aggregation layer of an existing network. Currently the network routes between the aggregation layer and core, and uses the technologies shown in the exhibit.

The customer now wants to route at the core, instead of the aggregation layer, and extend some of the same VLANs in different buildings. However, the customer cannot eliminate the aggregation layer at this point. What should the architect recommend?

- A. Create a backplane stack at the aggregation layer and a VSF fabric at the core.
- B. Implement broadcast filtering on switch-to-switch links across all of the buildings.
- C. Combine all switches in the aggregation layer and core into a single backplane stack.
- D. Use VRRP on the core and aggregation switches, with the aggregation switches acting as standby.

Answer: C

NEW QUESTION 15

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 18

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.

Answer: B

NEW QUESTION 23

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 27

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 30

An architect plans to implement an Aruba wireless solution with several Mobility Controllers (MCs) and a Mobility Master (MM) architecture. Wireless users run Skype for Business, a Unified Communications (UC) solution. The architect plans to use the Aruba SDN capabilities to integrate with the UC solution. What helps to support high availability specifically for the SDN services?

- A. a redundant master MC
- B. backup controllers defined on the APs
- C. a cluster deployment for MCs
- D. a redundant MM

Answer: D

NEW QUESTION 33

For which scenario should an architect recommend Aruba Central Managed Portal (MSP)?

- A. for a service provider who needs to monitor multi-vendor environments
- B. for an enterprise that needs to manage data center services together with the network
- C. for a service provider who needs to manage multiple customer networks
- D. for an enterprise with many branches that needs to manage services centrally

Answer: D

NEW QUESTION 38

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