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HPE6-A47

Designing Aruba Solutions



Exam A

QUESTION 1

Which guidelines should an architect use to determine how many AirWave servers to recommend?

- A. One server should be deployed on every subnet with an infrastructure device.
- B. One server is recommended for the base features and one server each for add-on features such as Clarity.
- C. One server should be dedicated to the wired infrastructure and one server to the wireless infrastructure.
- D. One server should monitor and manage up to about 4,000 infrastructure devices.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

An architect plant to purpose 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 help to support high availability specifically for the SDN services?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3 Refer
to the exhibit.

Exhibit 1 shows the logical plan, and Exhibit 2 shows the BOM created with IRIS. An architect plans to propose two 5406Rzl switches as a VSF fabric for a campus network core. Which issue with the plan should the architect correct?



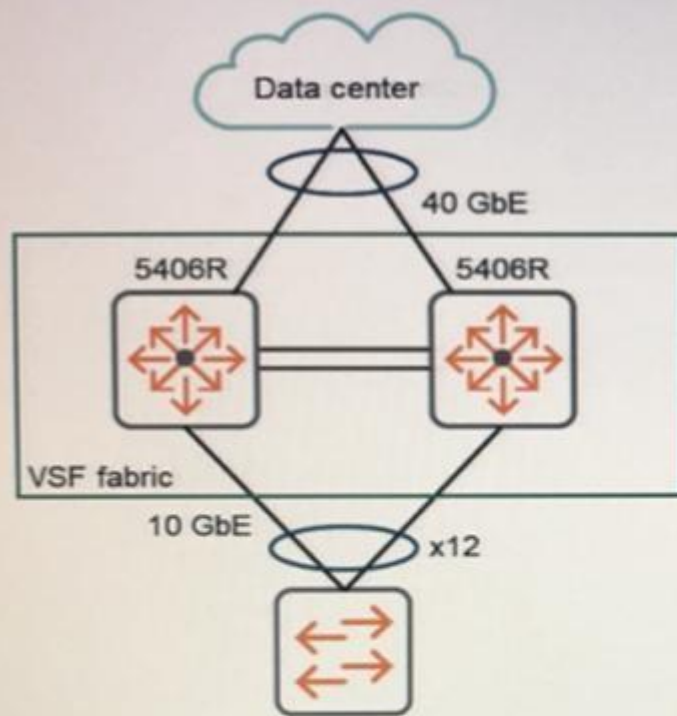


Exhibit 2

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.00	J9821A	Aruba 5406R z12 Switch	Hewlett Packard Enter...	\$2,419.00	2	\$4,838.00	USA Price List (USD)
1.01	H1MT0E	HPE 3Y FC 24x7 Aruba 5406R z12 Switc SVC [for J9821A]	Hewlett Packard Enter...	\$4,094.00	2	\$8,188.00	USA Price List (USD)
1.02	U4832E	HPE Networks 54xx/82xx z1 Startup SVC [for J9821A]	Hewlett Packard Enter...	\$2,325.00	2	\$4,650.00	USA Price List (USD)
1.03	J9828A	Aruba 5400R 700W PoE+ z12 PSU	Hewlett Packard Enter...	\$799.00	2	\$1,598.00	USA Price List (USD)
1.04	J9828A ABA	INCLUDED: Power Cord - U.S. localization	Hewlett Packard Enter...	incl.	2		
1.05	J9996A	Aruba 2p 40GbE QSFP+ v3 z12 Mod	Hewlett Packard Enter...	\$6,799.00	4	\$27,196.00	USA Price List (USD)
1.06	J9538A	HPE 8-port 10GbE SFP+ v2 z1 Module	Hewlett Packard Enter...	\$4,799.00	4	\$19,196.00	USA Price List (USD)
2.00	JH234A	HPE X242 40G QSFP+ to QSFP+ 1m DAC Cable	Hewlett Packard Enter...	\$419.00	2	\$838.00	USA Price List (USD)
Quote Total						\$66,504.00	

- A. Add two QSFP+ MP0 SR4 transceivers.
- B. Change the v2 modules to v3 modules.
- C. Add stacking modules and cables.
- D. Change the power supply type.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5 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
- B. the OS used on wireless devices
- C. whether BLE wayfinding is required
- D. software version on Mobility Controllers (MCs)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

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

Section: (none)

Explanation

Explanation/Reference:

**QUESTION 10**

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11 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

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 12**

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 tunneled 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

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:****QUESTION 13**

An architect proposes an Aruba solution with a hardware Mobility Master (MM) to a customer. The customer has a disaster recovery site which is connected to the main site at Layer 3. The customer requires the MM to remain available in case of a total site failure.

Which plan meets the customer requirements?

- A. Deploy a hardware MM to the disaster recovery site and set up VRRP between them.
- B. Deploy a hardware MM to the disaster recovery site and set its IP address as the standby master for MCs.
- C. Deploy the virtual MM (VMM) to the disaster recovery site and set the VMM IP address to the same address as the hardware MM.
- D. Deploy the virtual MM (VMM) to the disaster recovery site and configure clustering on the hardware and software appliances.

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:**

QUESTION 14 A customer requires APs that meet these minimal criteria:

1. Support for MU-MIMO
2. Support for up to four spatial streams, both when MU-MIMO is used and when it is not used
3. 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.

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:**

QUESTION 15 What typically drives the need for an aggregation layer in modern networks?

- A. insufficient fiber cabling, especially between buildings
- B. lack of high speed uplink capabilities at the access layer
- C. simplification of spanning tree protocol at the access layer
- D. need to extend VLANs across wider areas

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:****QUESTION 16**

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

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 17**

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

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:**

QUESTION 18 An architect proposes the following Aruba solutions:

1. Two Virtual Mobility Masters (VMMs)
2. Six 7030 Mobility Controllers (MCs)

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

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. 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



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

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)
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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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

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.

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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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

An architect needs to choose between an Aruba Mobility Controller (MC) 7010 or 7024. Which customer need indicates that the 7024 is a better choice than the 7010?

- A. the need to support 2000 users or devices
- B. the need to support PoE+

- C. the need to manage 20 APs
- D. the need to connect 20 APs directly to the MC

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

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.

Correct Answer: B

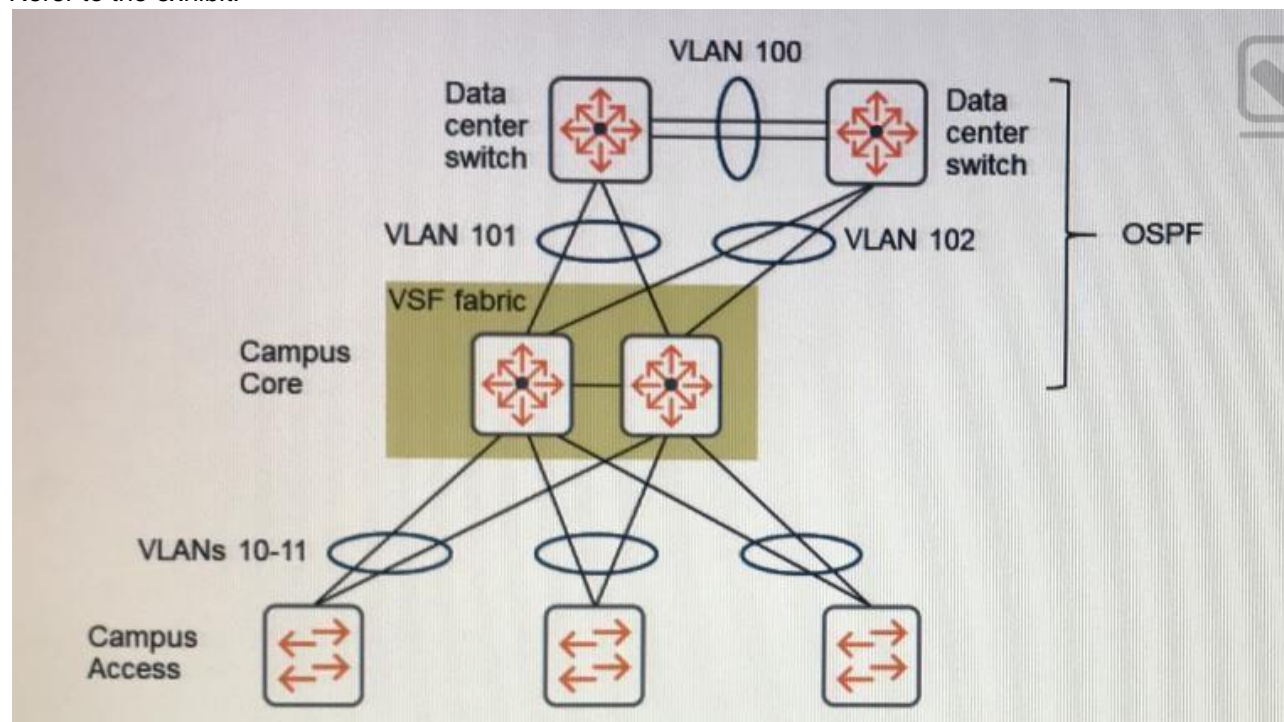
Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26 An architect needs to plan a wireless deployment. The architect conducts a physical walkthrough, but still needs more information. Which significant RF obstacle can be difficult to see visually and might require access to blueprints?

- A. fiberglass
- B. metal firewall
- C. ceiling tiles
- D. drywall

Correct Answer: A

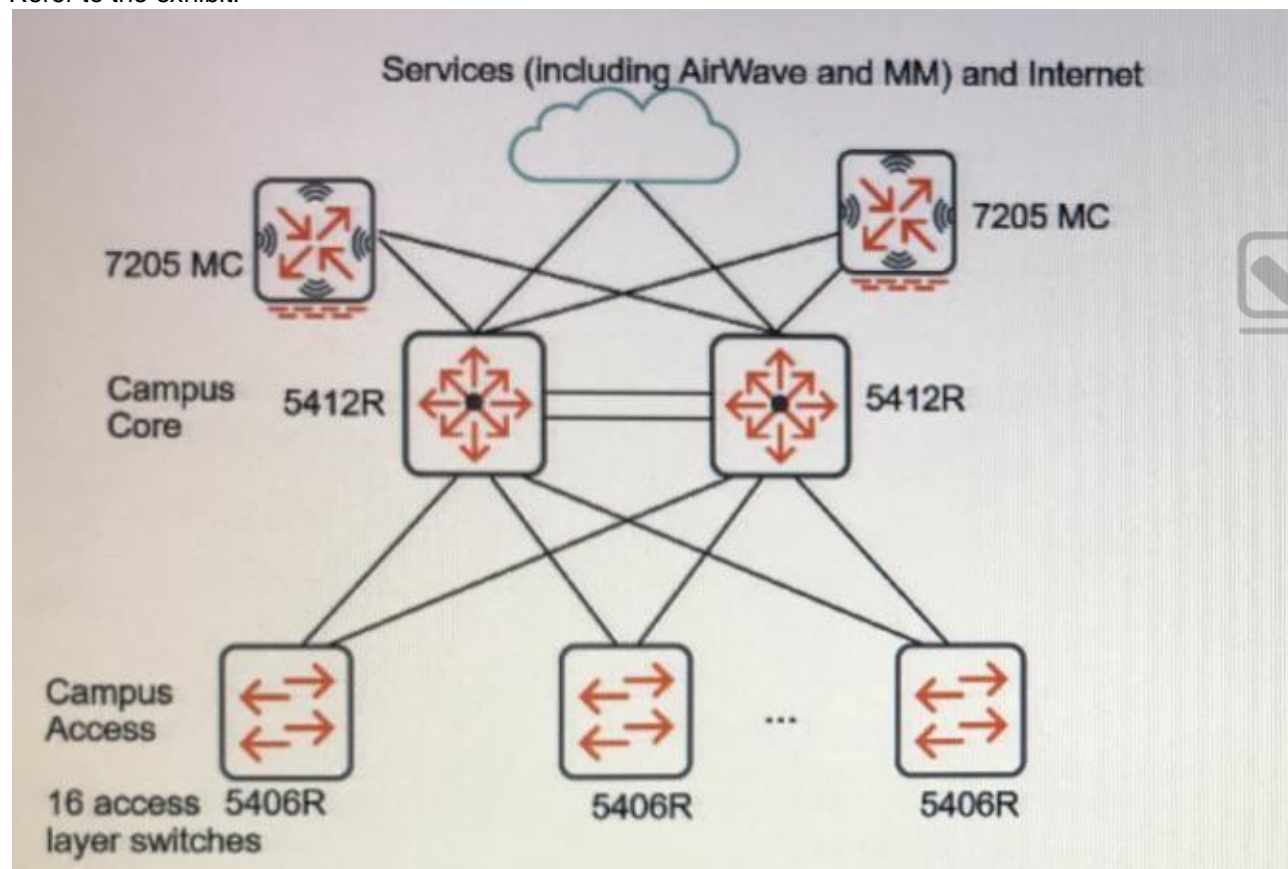
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Explanation

Explanation/Reference:

QUESTION 27

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.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

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. 10-15C. 20-25
- D. 40-45

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

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.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30 An architect needs to deliver an upgrade to an 802.11ac-based solution for a customer. The customer requires an active site survey for the new deployment. Which deliverable should the architect provide to the customer?

- A. a heat map with proposed AP locations and actual tested coverage
- B. a heat map with existing AP locations and actual tested coverage
- C. a heat map with sources of RF interference, both 802.11 and non-802.11
- D. the heat map with proposed AP locations and predictive coverage

Correct Answer: C

Section: (none)

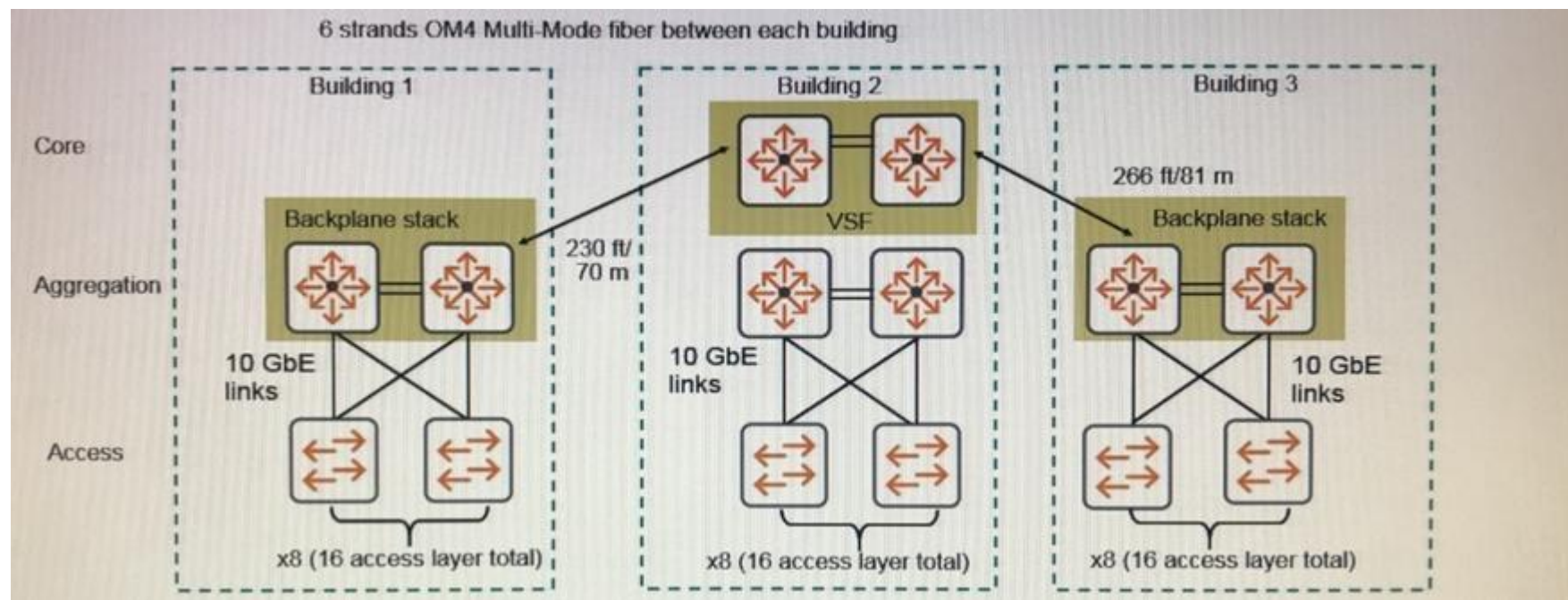
Explanation

Explanation/Reference:

QUESTION 31

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

An enterprise needs an upgrade to 802.11ac. Users run applications such as Web, email, voice, and video. The architect needs to conduct an active site survey to plan 802.11ac AP locations. The noise floor is about -90 dBm across the site.

Based on Aruba best practices, what is the minimum acceptable signal that the architect should look for to determine the test AP range?

- A. a signal of -65 dBm in the 2.4 GHz band
- B. a signal of -75 dBm in the 5 GHz band
- C. a signal of -65 dBm in the 5 GHz band
- D. a signal of -75 dBm in the 2.4 GHz band

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33 An RF plan specifies wide sector directional antennas.

Refer to the antenna specifications.

H-plane refers to the Azimuth or Horizontal plane and E-plane refers to Elevation or Vertical plane.

Antenna 1: H-plane = 360; E-plane = 120

Antenna 2: H-plane = 360; E-plane = 60
Antenna 3: H-plane = 100; E-plane = 90
Antenna 4: H-plane = 60; E-plane = 60

Which antenna specifications indicate that the antenna is a good choice for the plan?

- A. Antenna 1
- B. Antenna 2
- C. Antenna 3
- D. Antenna 4

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

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.

Correct Answer: B

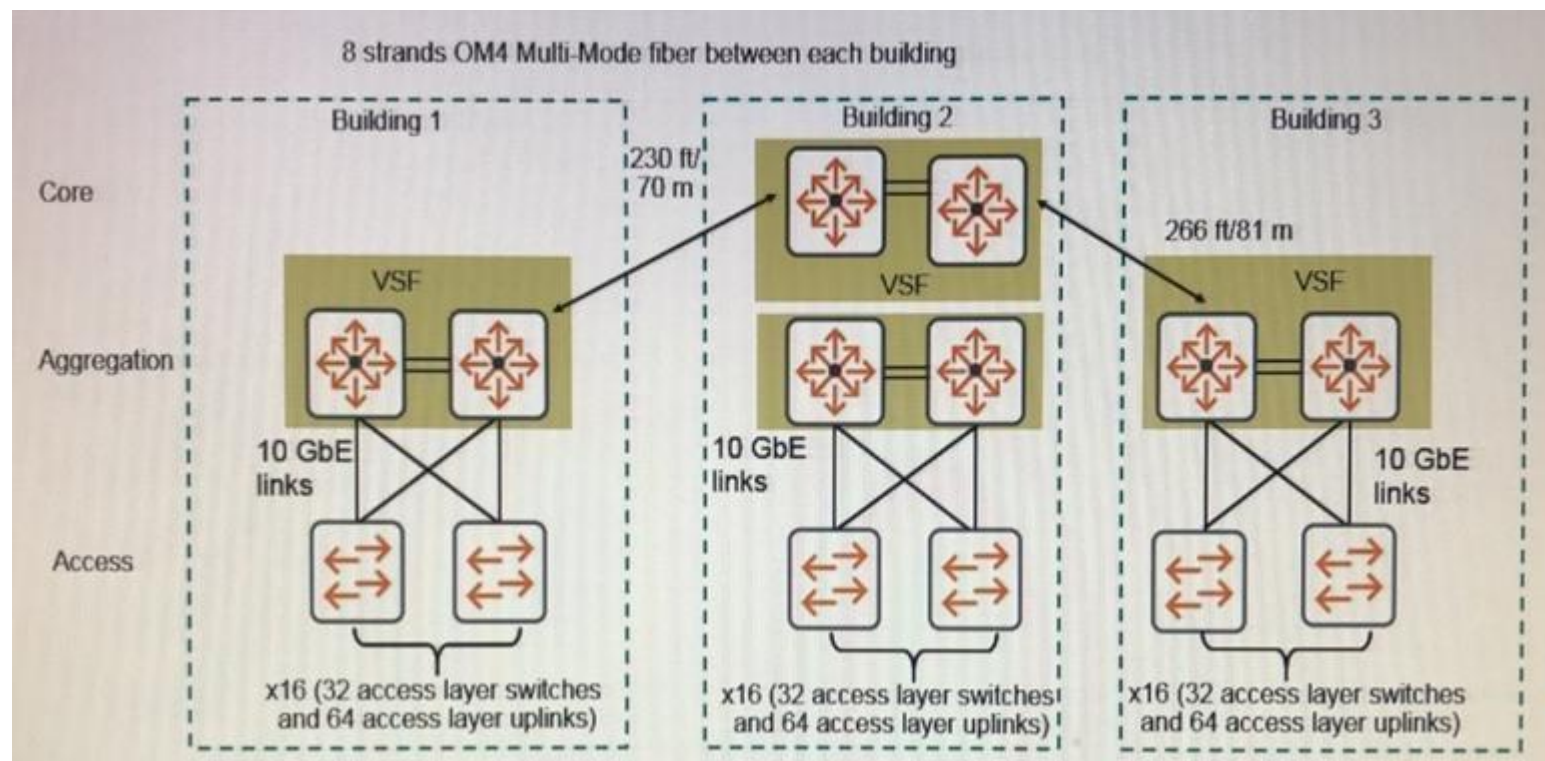
Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36 A plan includes these security settings for the employee WLAN:

1. WPA2-Enterprise with AES encryption
2. 802.1X with PEAP-MSCHAPv2

However, the customer wants to use certificates to authenticate user devices. Which change brings the plan in alignment with the customer requirements?

- A. Use EAP-TLS instead of PEAP-MSCHAPv2
- B. The TKIP encryption instead of AES.
- C. Add WPA2-PSK as an alternative to WPA2-Enterprise.
- D. Add Tunneled TLS (TTLS) as an alternative to PEAP-MSCHAPv2.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

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 802ac 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.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 39

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.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Refer to the exhibit.

Exhibit 1.

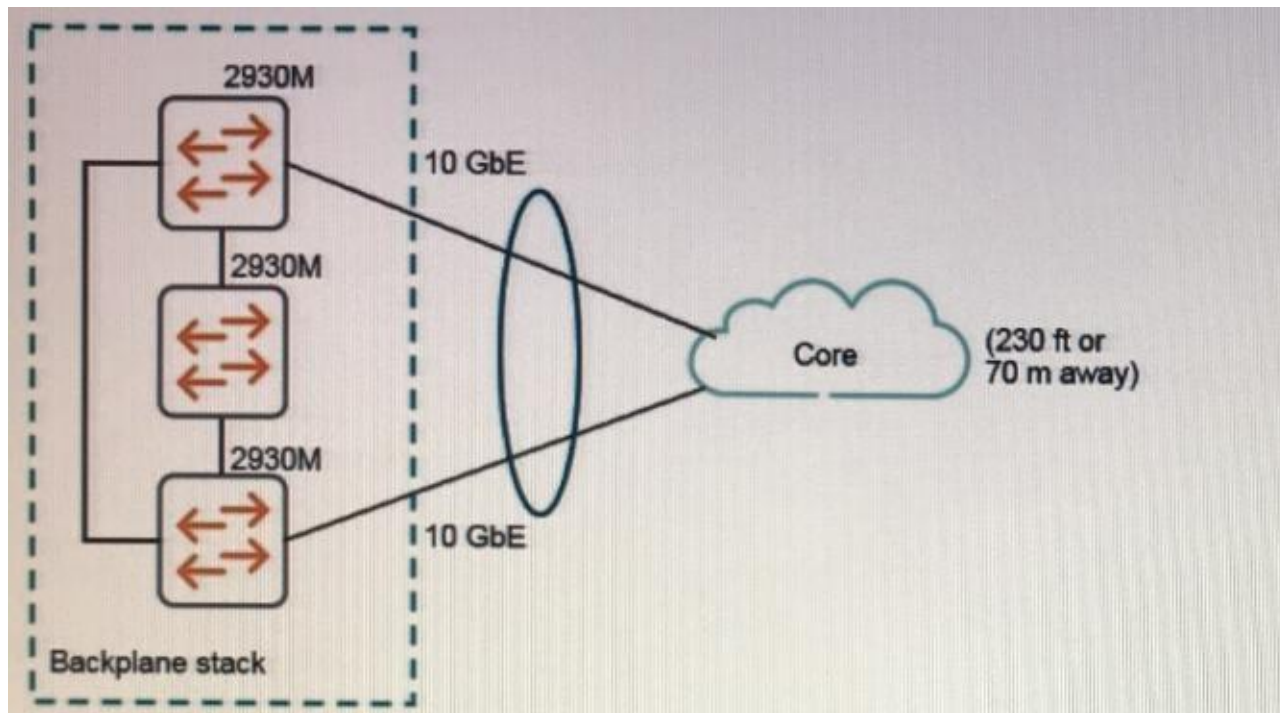


Exhibit 2.

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.00	JL321A	Aruba 2930M 48G 1-slot Switch	Hewlett Packard Enter...	\$5,419.00	3	\$16,257.00	USA Price List (USD)
1.01	H2BR5E	HPE 3Y FC 4H Exch A 2930M 48G Swt SVC [for JL321A]	Hewlett Packard Enter...	\$1,635.00	3	\$4,905.00	USA Price List (USD)
1.02	U4830E	HPE Networks Stackable Leg Startup SVC [for JL321A]	Hewlett Packard Enter...	\$1,325.00	3	\$3,975.00	USA Price List (USD)
1.03	JL085A	Aruba X371 12VDC 250W Power Supply	Hewlett Packard Enter...	\$439.00	3	\$1,317.00	USA Price List (USD)
1.04	JL085A ABA	INCLUDED: Power Cord - U.S. localization	Hewlett Packard Enter...	incl.	3		
1.05	JL083A	Aruba 3810M/2930M 4SFP+ MACsec Module	Hewlett Packard Enter...	\$1,259.00	2	\$2,518.00	USA Price List (USD)
1.06	J9150A	HPE X132 10G SFP+ LC SR Transceiver	Hewlett Packard Enter...	\$1,040.00	2	\$2,080.00	USA Price List (USD)
Quote Total						\$31,052.00	

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41 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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42 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: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

An architect plans 128 APs to support 12,800 devices in a very high density (VHD) design. The customer requires high availability, so the architect plans to recommend a pair of controllers. What is one reason to recommend 7210 controllers rather than 7205 controllers for this deployment?

- A. the need for high speed 10 GbE ports
- B. the need for clustering
- C. the number of devise required
- D. the number of APs required

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

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.

Correct Answer: B

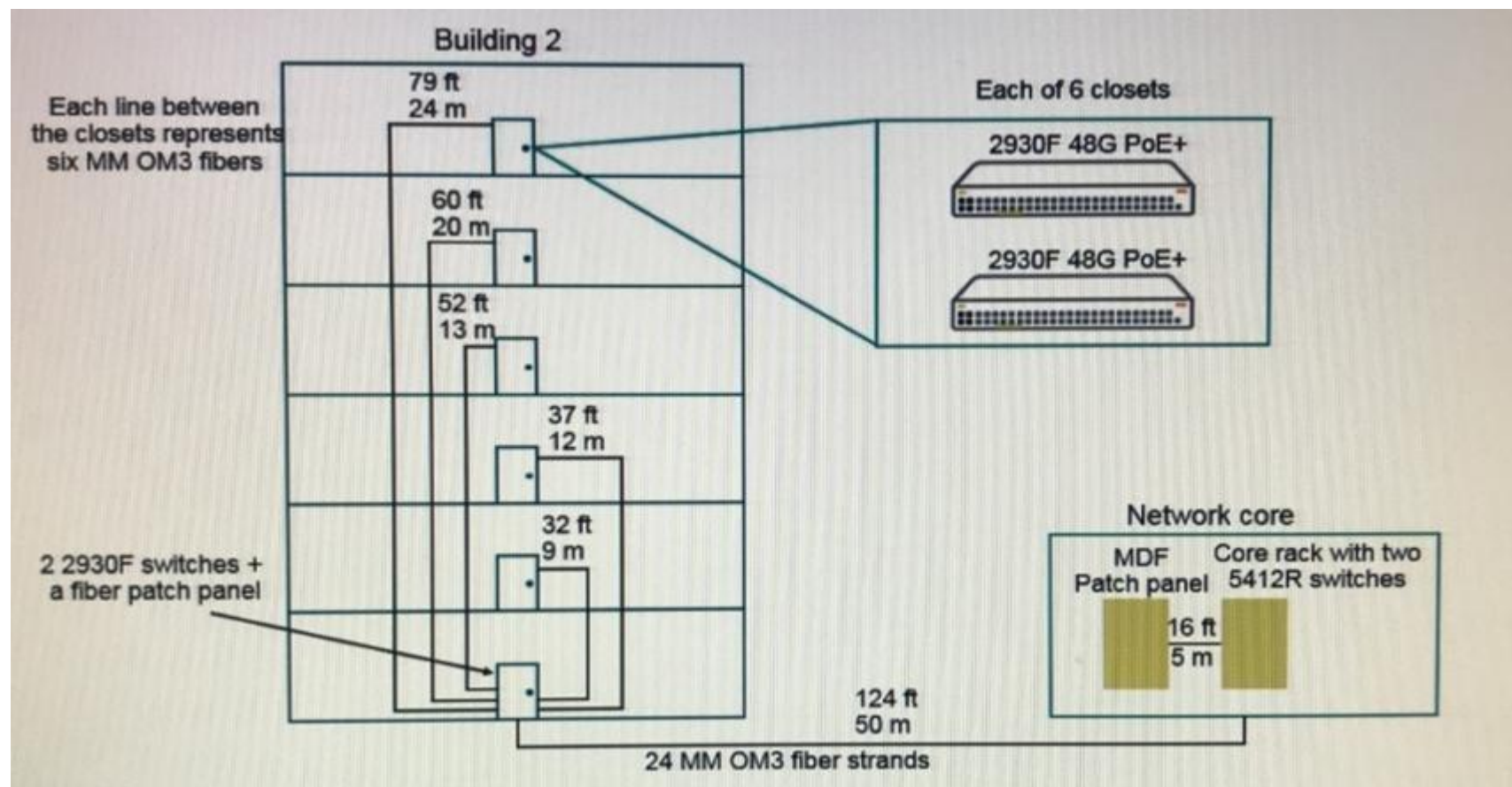
Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

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

Correct Answer: D

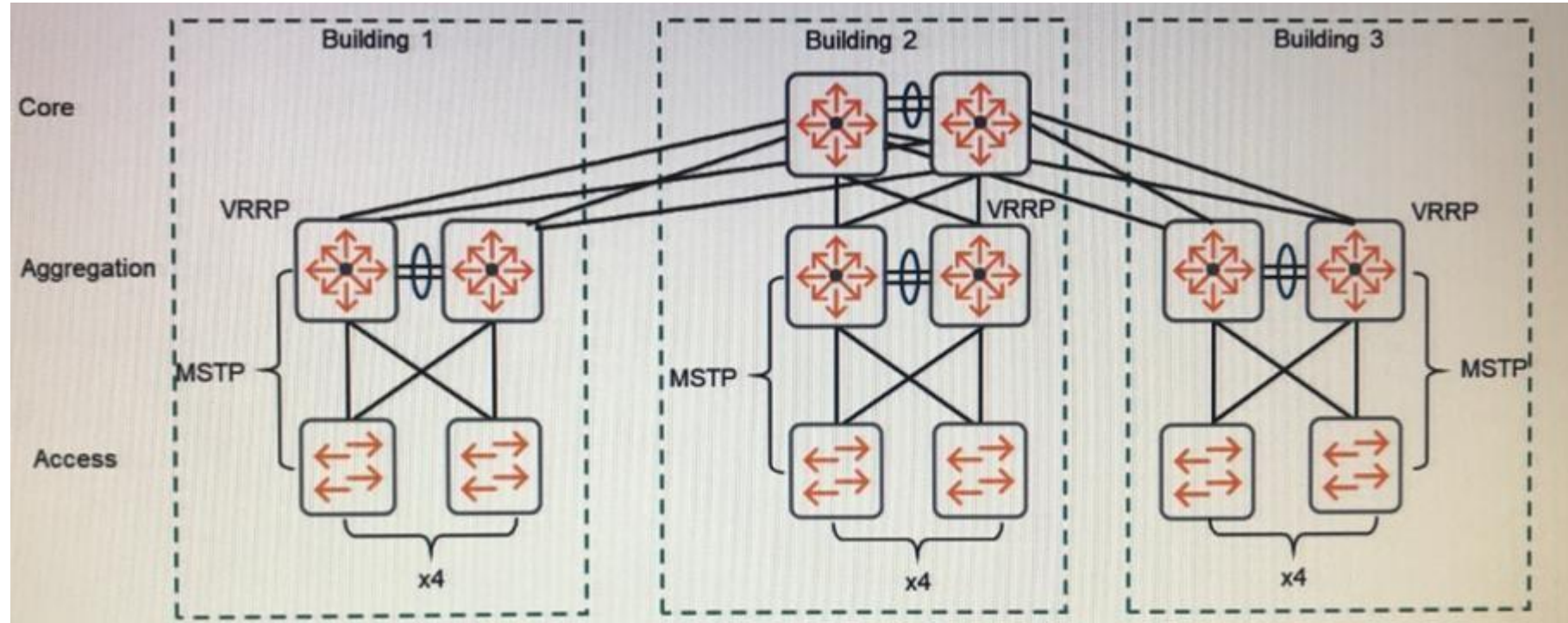
Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

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.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51 A customer requires a wireless upgrade. The architect proposes:

- Aruba AP-325s
- Mobility Controller (MC) 7210s
- Virtual Mobility Masters (MMs)
- ClearPass
- AirWave

The customer is interested in wired authentication, as well as wireless authentication, but does not have the budget to upgrade the wired network. The wired network does not currently support 802.1X or RADIUS.

Which feature of the Aruba solution should the architect explain to justify the proposed solution?

- A. The customer can direct all wired traffic through the MCs, which will then apply security to that traffic.
- B. The customer can direct all wired traffic through the MMs, which will impose basic security checks.
- C. ClearPass OnConnect can enable wired authentication on these switches through the use of SNMP.

D. AirWave can manage these switches and shut down their ports if an unknown user or device connects.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52 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.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

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).

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56 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.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 57 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.

Correct Answer: B

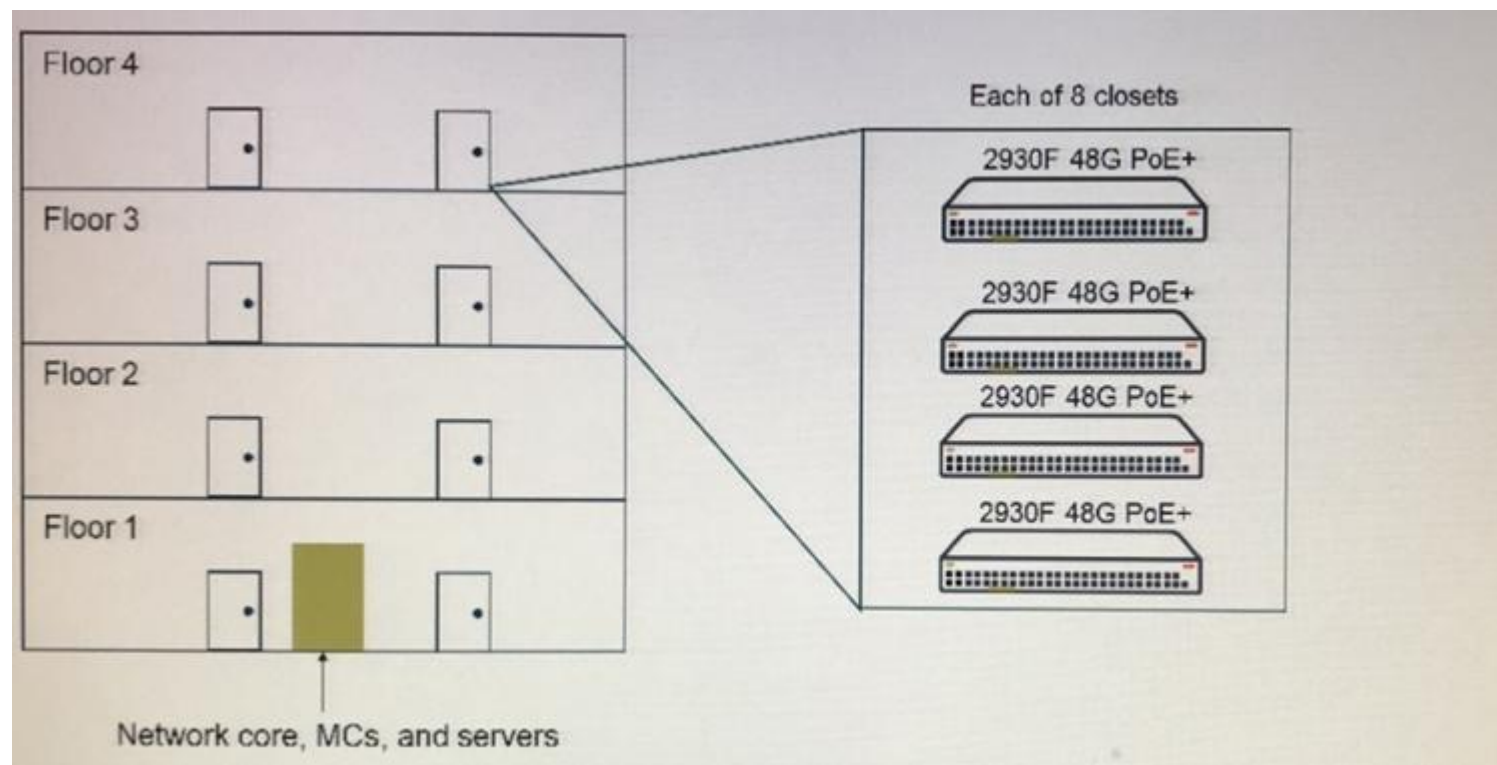
Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

A customer needs a networking solution that supports their Microsoft Skype for Business Unified Communications (UC) solution. The architect discovers that user wireless devices are Wi-Fi Multimedia (WMM) capable. Windows policies assign voice traffic DSCP 46 and video traffic DSCP 34.

Which potential issue should the architect explain to the customer about the default QoS settings?

- A. The DSCP values place both voice and video traffic in the video VMM queue, so voice does not receive the prioritization that it should.
- B. The Aruba APs and controllers use different prioritization mechanism from WMM, so they will not accept high priority traffic from the wireless devices.
- C. DSCP is incompatible with WMM. The Aruba APs and controllers instead use 802.1p to mark traffic to and from wireless devices.
- D. The DSCP for wireless client traffic is concealed within the GRE packet on the path from the AP to the controller, and does not take effect.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

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

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61 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 interfaces, 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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

