



# HPE6-A49<sup>Q&As</sup>

Aruba Certified Design Expert 8 Written Exam

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**QUESTION 1**

A customer has an existing Aruba network, which currently supports up to 9,000 wireless client devices. The existing network includes these components: Four 7210 MCs Five 7030 MCs 200 AP-303HRs 300 AP-345s

The customer wants to convert to an ArubaOS 8.x architecture. The architect plans to deploy a virtual MM.

Which exhibit shows the correct BOM for the MM?

A.

Quotation - Composite View

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.00	JY895AAE	Aruba MM-VA-500 Mobility Master SWE-LTU	Hewlett Packard Enter...	\$10,495.00	1	\$10,495.00	USA Price List (USD)
1.01	HSU09E	Aruba 1Y FC 24x7 MM-VA-500 ELTU SVC [for JY895AAE]	Hewlett Packard Enter...	\$1,616.00	1	\$1,616.00	USA Price List (USD)
1.02	JW471AAE	Aruba-LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-...	Hewlett Packard Enter...	\$300.00	300	\$90,000.00	USA Price List (USD)
1.03	H2XW3E	Aruba 1Y FC 24x7 License On Bundle SVC [for JW471AAE]	Hewlett Packard Enter...	\$46.00	300	\$13,800.00	USA Price List (USD)
<b>Quote Total</b>						<b>\$115,911</b>	

B.

C.

D.

Quotation - Composite View

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.00	JY896AAE	Aruba MM-VA-1K Mobility Master SW E-LTU	Hewlett Packard Enter...	\$17,495.00	1	\$17,495.00	USA Price List (USD)
1.01	HSUE9E	Aruba 1Y FC 24x7 MM-VA-500 ELTU SVC [for JY895AAE]	Hewlett Packard Enter...	\$2,701.00	1	\$2,701.00	USA Price List (USD)
1.02	JW471AAE	Aruba-LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-...	Hewlett Packard Enter...	\$300.00	500	\$150,000.00	USA Price List (USD)
1.03	H2XW3E	Aruba 1Y FC 24x7 License On Bundle SVC [for JW471AAE]	Hewlett Packard Enter...	\$46.00	500	\$23,000.00	USA Price List (USD)
<b>Quote Total</b>						<b>\$193,196</b>	



Quotation - Composite View

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.00	JY896AAE	Aruba MM-VA-IK Mobility Master SW E-LTU	Hewlett Packard Enter...	\$17,495.00	1	\$17,495.00	USA Price List (USD)
1.01	HSUE9E	Aruba 1Y FC 24x7 MM-VA-1K ELTU SVC [for JY896AAE]	Hewlett Packard Enter...	\$2,701.00	1	\$2,701.00	USA Price List (USD)
<b>Quote Total</b>						<b>\$20,196.00</b>	

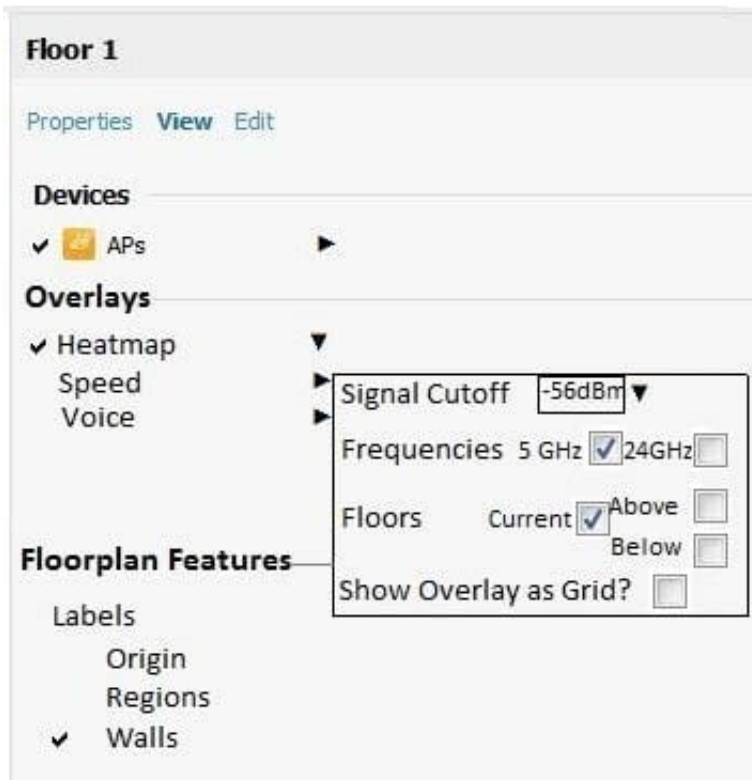
Quotation - Composite View

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.00	JY896AAE	Aruba MM-VA-IK Mobility Master SW E-LTU	Hewlett Packard Enter..	\$10,495.00	1	\$10,495.00	USA Price List (USD)
1.01	HSUE9E	Aruba 1Y FC 24x7 MM-VA-1K ELTU SVC [for JY896AAE]	Hewlett Packard Enter...	\$1,616.00	1	\$1,616.00	USA Price List (USD)
1.02	JW471AAE	Aruba LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-...)	Hewlett Packard Enter...	\$300.00	500	\$150,000.00	USA Price List (USD)
1.03	H2XW3E	Aruba 1Y FC 24x7 License On Bundle SVC [for JW471AAE]	Hewlett Packard Enter...	\$46.00	500	\$23,000.00	USA Price List (USD)
<b>Quote Total</b>						<b>\$185,111</b>	

Correct Answer: C

QUESTION 2





A hospital needs an upgrade to 802.11ac for its wireless network. The wireless network supports: wireless medical devices medical staff voice communicators laptops in nurse stations medical staff tablets visitor and patient personal devices

All of these devices support both the 2.4GHz and 5GHz band. Assuming about a max throughput of 150 Mbps per AP, the hospital would like to support about 4 Mbps per client. The architect has used VisualRF to plan the AP placement on one of the floors, which the hospital expects will need to support about 800 wireless devices. The exhibits show heatmaps from this plan. The architect also plans to deploy APs in stairwells between floors.

How well does the plan meet the requirements?

- A. The current AP placement fails to account for the lead-lined walls that are common in patient and exam rooms.
- B. The current AP placement fails to provide adequate signal for the voice communicators in several areas.
- C. The current AP placement meets coverage requirements, but does not meet capacity requirements.



D. The current AP placement meets the customer requirements in terms of coverage and capacity.

Correct Answer: D

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### QUESTION 3

An indoor sports stadium has 5,000 seats in two rings:

The stadium has a ceiling height of 72 feet (22 m).

There is a catwalk around the perimeter of the stadium that is 54 feet (13 m) from the floor.

There are two scoreboards at either end of the stadium.

The construction of the stadium is concrete and steel.

The customer has indicated a preference for overhead coverage, and the wireless network should support 3500 concurrent clients. The architect plans to install the APs on the catwalk to service sections of the floor below.

Which type of antennas are recommended for the APs that provide the overhead coverage?

- A. high gain directional
- B. high gain omnidirectional
- C. downtilt
- D. Yagi

Correct Answer: A

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### QUESTION 4

A network architect plans to propose a virtual Mobility Master (VMM) for a new solution. The solution will support up to 4,800 wireless client devices and include: two Virtual Mobility Controllers (VMCs) in a cluster 180 APs

Which licenses should the architect propose?

- A. 1 MM-VA-500; 2 MC-VA-250; 540 Enterprise licenses
- B. 1 MM-VA-500; 1 MC-VA-250; 180 Enterprise licenses
- C. 1 MM-VA-1K; 2 MC-VA-250; one Enterprise license
- D. 1 MM-VA-1K; 1 MC-VA-250; 180 Enterprise licenses

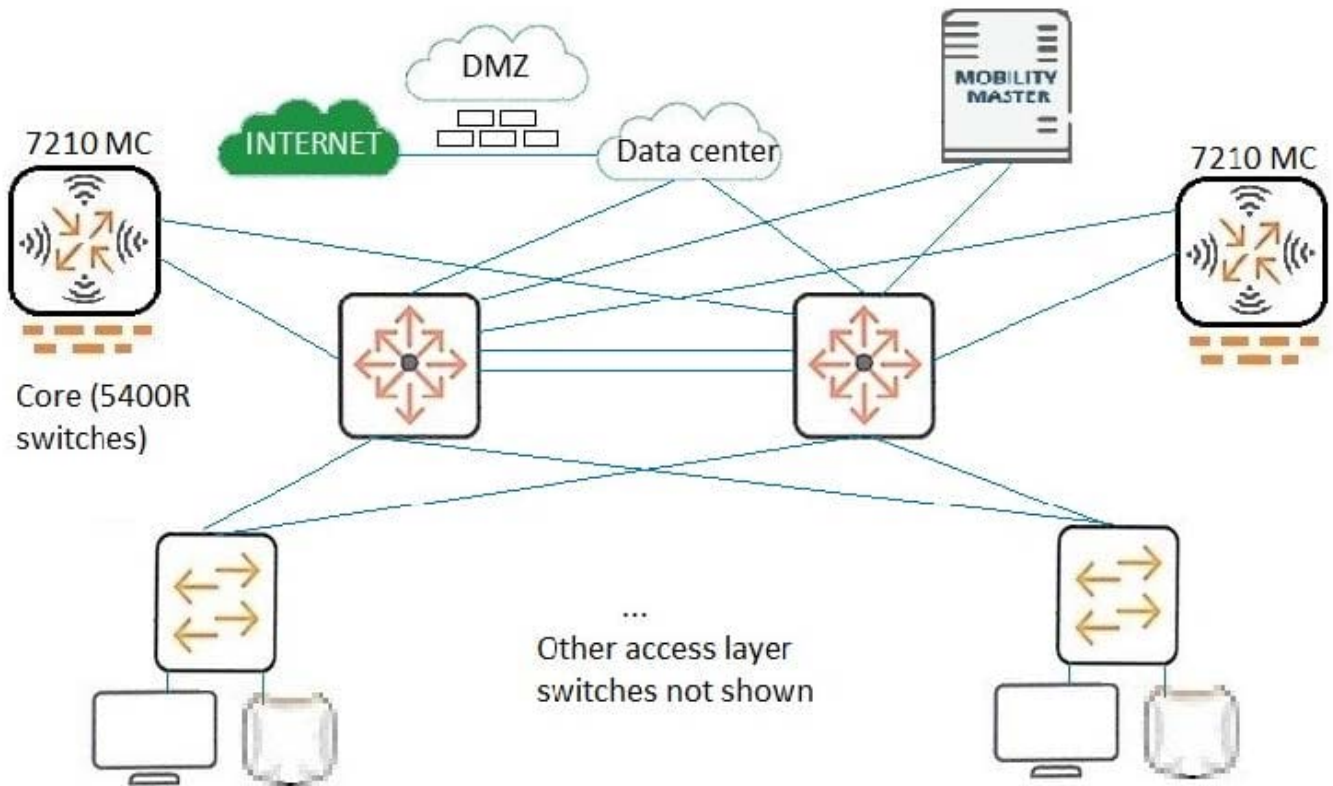
Correct Answer: C

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### QUESTION 5

Refer to the exhibit.



A customer needs a network upgrade. The customer has these availability requirements for wireless access:

One MC and one core switch can fail with immediate, stateful failover for client connections.

Network upgrades can occur without the requirement of a maintenance window.

The exhibit shows the architecture plan.

Which technologies should the architect recommend?

- A. Clustering on MCs and VRRP on Core switches
- B. VRRP on MCs and VSF on Core switches
- C. VRRP on both MCs and Core switches
- D. Clustering on MCs and VSF on Core switches

Correct Answer: A