

HPE6-A49^{Q&As}

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QUESTION 1

Refer to the exhibit.

Quotation - Composite View

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.00	JY322A	Aruba 2930 48G PoE+ 1 slot Switch	Hewlett Packard Enter...	\$6,339.00	3	\$19,017.00	USA Price List (USD)
1.01	H2CA6E	HPE 3Y FC 4H Exch A 2930M 48G P SwT SVC [for JL322A]	Hewlett Packard Enter...	\$1,939.00	3	\$5,817.00	USA Price List (USD)
1.02	JL086A	Aruba X372 54VDC 680W Power Supply	Hewlett Packard Enter...	\$539.00	3	\$1,917.00	USA Price List (USD)
1.03	JL086A ABA	INCLUDED: Power Card - U.S. localization	Hewlett Packard Enter...	Incl.	3		
1.04	JL325A	Aruba 2930 2-port Stacking Module	Hewlett Packard Enter...	\$1,019.00	3	\$3,057.00	USA Price List (USD)
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	J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enter...	\$1,040.00	2	\$2,080.00	USA Price List (USD)
2.00	J9734A	Aruba 2920/2930M 0.5m Stacking Cable	Hewlett Packard Enter...	\$149.00	3	\$447.00	USA Price List (USD)
Quote Total						\$34,853.00	

A writing closet needs to support these devices: 100 desktops 5 printers 20 AP-345s

The customer wants to single-home the AP-345s and support higher than 1GbE speeds on the AP connections to future proof. The customer also requires that the closet have two 10GbE links to the core with SR transceivers. The exhibit shows the preliminary plan for this closet.

Which correction should the architect make to the plan to meet the customer requirements?

- A. Change all of the switches to the Aruba 2930M 40G 8 HPE Smart Rate PoE+ 1-Slot Switch.
- B. Change one switch to the 2930M 24-port Smart Rate PoE+ model.
- C. Add a 4-port SFP+ module to one of the switches.
- D. Add a Smart Rate module to each of the switches.

Correct Answer: C

QUESTION 2

In which scenario do Aruba 5400R Series switches, but not Aruba 2930M Series switches, meet the needs for a wired upgrade?

- A. The customer has recently deployed Aruba AP-345 APs and is concerned about a future-proof wired edge that will continue to support expanding bandwidth requirements.
- B. The customer requires each access layer switch to support at least 40Gbps on its fiber uplinks at all times, including if up to one uplink fails.

- C. The customer requires enhanced redundancy at the access layer and wants to ensure that each switch can continue to operate even is a power supply fails.
- D. The customer requires switches in the same closet to connect together into a single virtual switch that is managed and operates as a single device.

Correct Answer: B

QUESTION 3

A customer has an existing Aruba wireless solution to provide wireless access for employees. The solution includes APs, mobility controllers (MCs) at the network core, and a Mobility Master (MM). A customer would like to set up a separately managed guest network and have the traffic go directly to the DMZ.

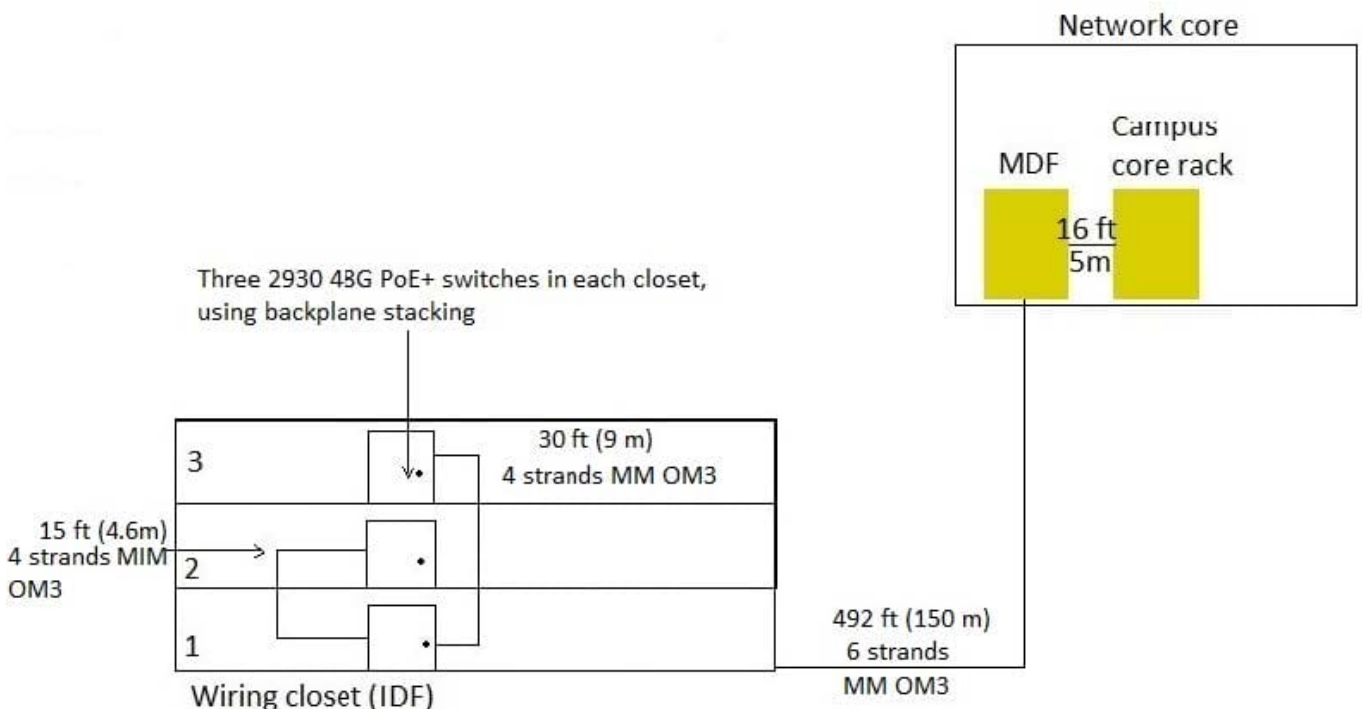
What should the architect suggest as the simplest solution that meets the requirements?

- A. Add APs in a dedicated AP group to support only the guest network SSID.
- B. Have a dedicated mobility controller in the DMZ managed by the same MM.
- C. Double the number of APs and controllers
- D. Use MultiZone, and put a mobility controller in the DMZ.

Correct Answer: D

QUESTION 4

Refer to the exhibit.



A customer needs a wired upgrade for a building on its main campus. The exhibit shows the switches that

architect has selected for each closet and the existing cabling. The customer is not open to changing the cabling. The customer requires link redundancy for the uplinks from each closet and for the links from the building to the core. In non link failure situations, the uplinks from each closet must support at least 20 Gbps, and the building as a whole must have at least 20 Gbps to the core in non link failure situations.

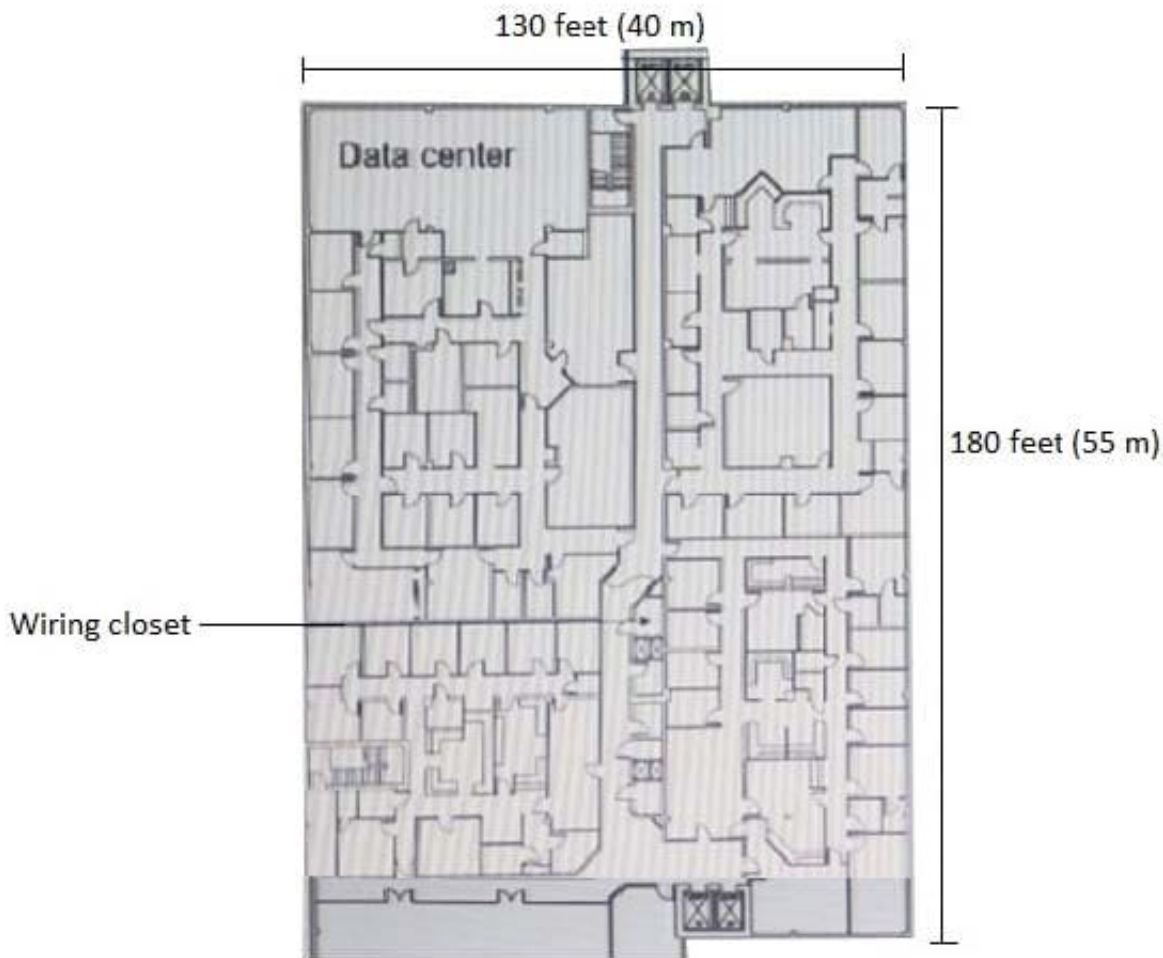
Which options for connecting the closets to the network core are valid? (Select two.)

- A. Connect the switch stack on each floor directly to the network core on two fiber connections per floor. Achieve this by patching the inter-floor fiber through the inter-building fiber.
- B. Add two aggregation switches in the Floor 1 closet. Connect the switch stack for each closet to the aggregation switches on two fiber links each and the aggregation switches to the core on two fiber links.
- C. Combine the nine switches on all three floors into a single switch stack with stacking cables in a ring topology. Connect two Floor 1 members to the network core with one fiber connection each.
- D. Combine the nine switches on all three floors into a single switch stack with the MM OM3 fiber cables in a ring topology. Connect two Floor 1 members to the network core with one fiber connection each.
- E. Connect the Floor 2 switch stack to Floor 1 with two fiber connections. Do the same for Floor 3. Connect the Floor 1 switch stack to the network core with two fiber connections.

Correct Answer: BC

QUESTION 5

Refer to the exhibit.



The customer requires a solution for the writing closet shown in the exhibit. The closet serves the entire floor, which is wired for CAT5e cable. The closet has four CAT5e cables to the data center 110 feet (34 m) away. The switch or switches in this closet will need to support 100 wired endpoints and 16 AP-345s. The switch or switches must connect to the network core, Aruba 5406R switches, in the data center on uplinks that provide at least 20 Gbps bandwidth total.

What is one benefit of an Aruba solution for meeting these requirements?

- A. AOS-Switches can meet the uplink bandwidth needs with an extensive array of choices for transceivers.
- B. Aruba PoE+ ports can provide more than 30W of power even to APs at the fat end of the floor.
- C. Aruba Smart Rate ports enable switches to achieve the required uplink speeds without expensive re-cabling.
- D. Aruba conditioning mode cables enable 10GbE SFP+ or 40GbE QSFP+ connections on copper cabling.

Correct Answer: B

QUESTION 6

A retailer wants to provide wireless services for guests across a section of store floor, which consists of 82 foot (25m) long aisles of cans and dry food goods. The shelves are six feet (1.8 m) high, and the ceiling height is 13 feet (4 m) high. The architect recommends overhead APs deployed at 40-50 foot (12 to 15 m) intervals every few aisles rather

than in every aisle.

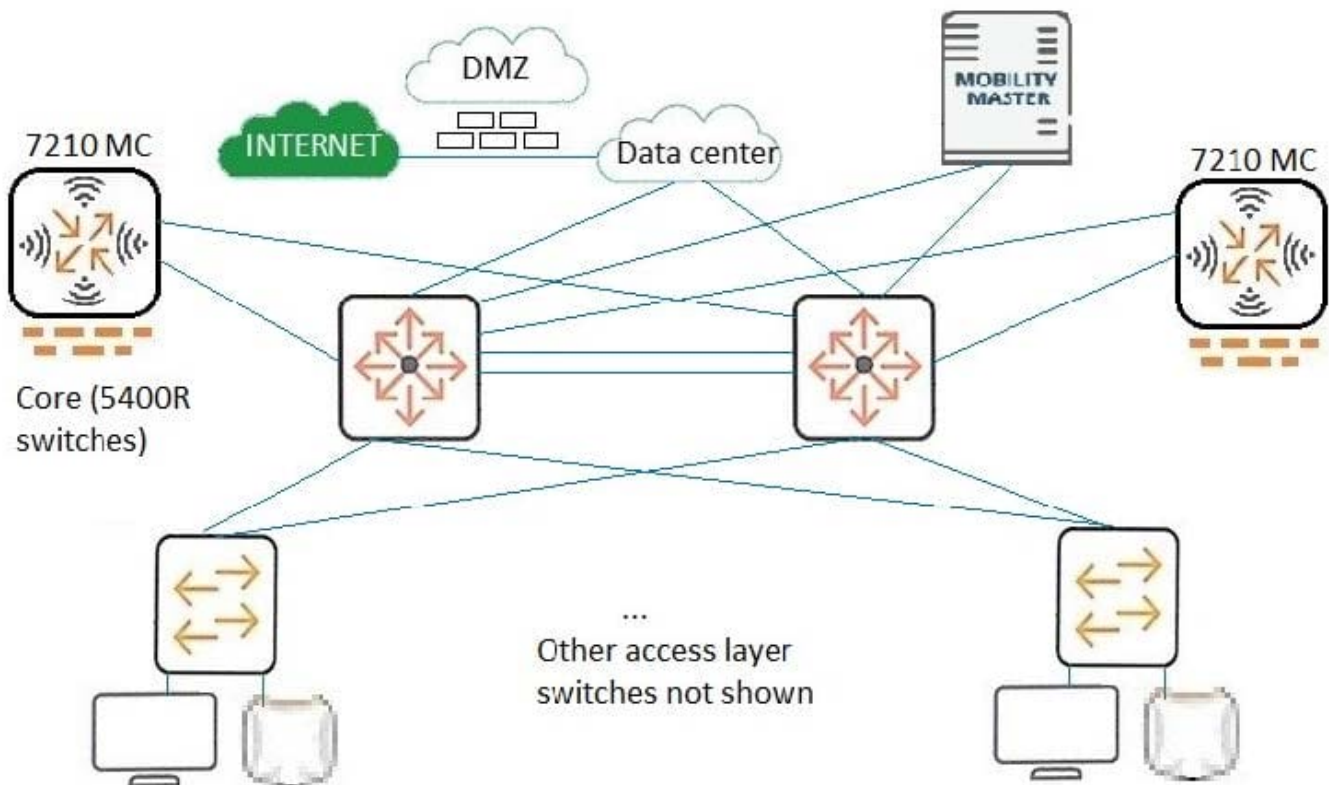
What is one factor that justifies this recommendation?

- A. the low transmit power of most guest devices
- B. the low shelf height relative to ceiling height
- C. the aisle length
- D. the low ceiling height

Correct Answer: B

QUESTION 7

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.

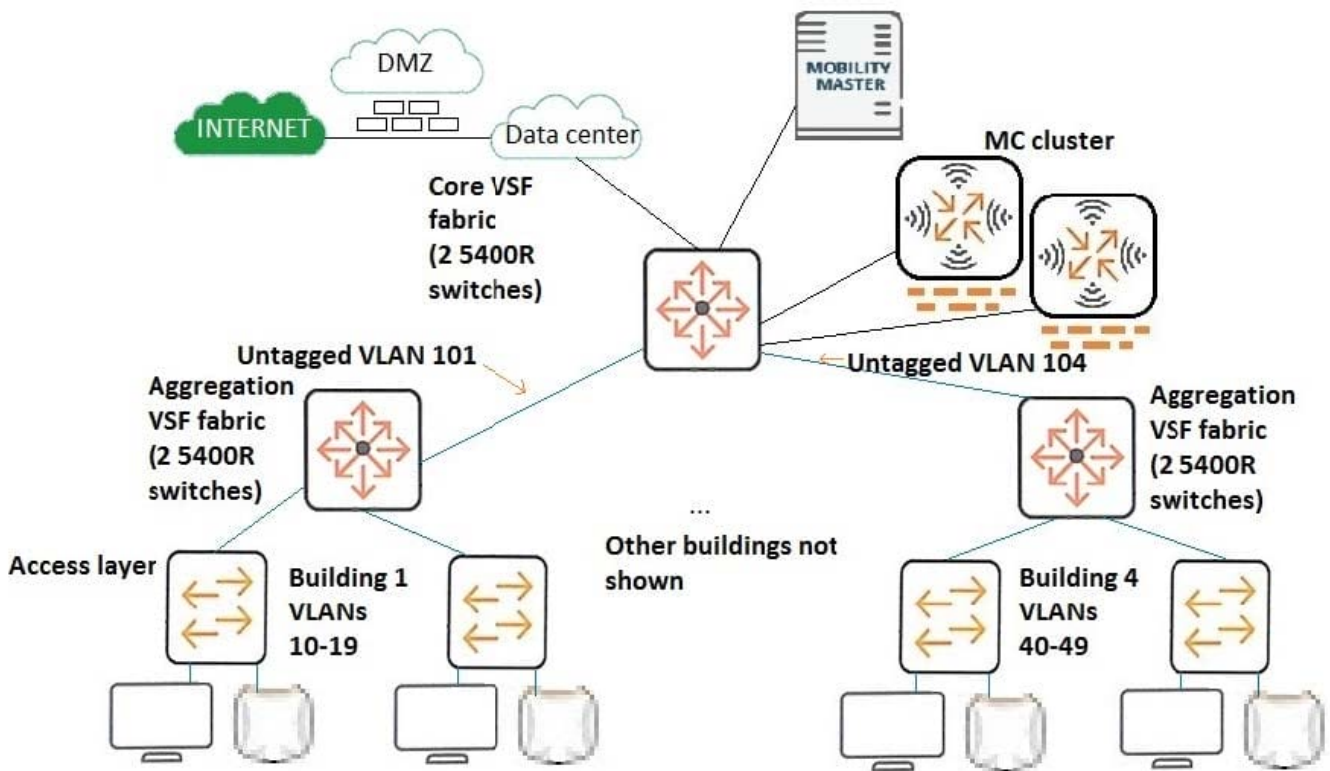
Which technologies should the architect recommend?

- 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

QUESTION 8

Refer to the exhibit.



A customer has a wired infrastructure shown in the exhibit. The customer is in the process of expanding their wireless services. They will now add a new wireless solution, with mobility controllers (MCs) connected as shown. The new wireless solution will support a total of 450 APs and about 26,000 wireless devices. It must provide seamless roaming across the entire campus.

After the new deployment, both wired and wireless devices experience IP connectivity issues.

Which change to the existing infrastructure should the architect recommend to support all of the customer

requirements?

- A. The MCs should be moved to the aggregation layer, and more MCs added.
- B. The core and aggregation switches should disable Virtual Switching Framework (VSF).
- C. The core switches should be replaced with switches that have larger ARP tables.
- D. The wired VLANs should be combined into a single VLAN and /16 subnet.

Correct Answer: B

QUESTION 9

What is one reason to deploy an Aruba 8320 switch when compared to an Aruba 5400R switch?

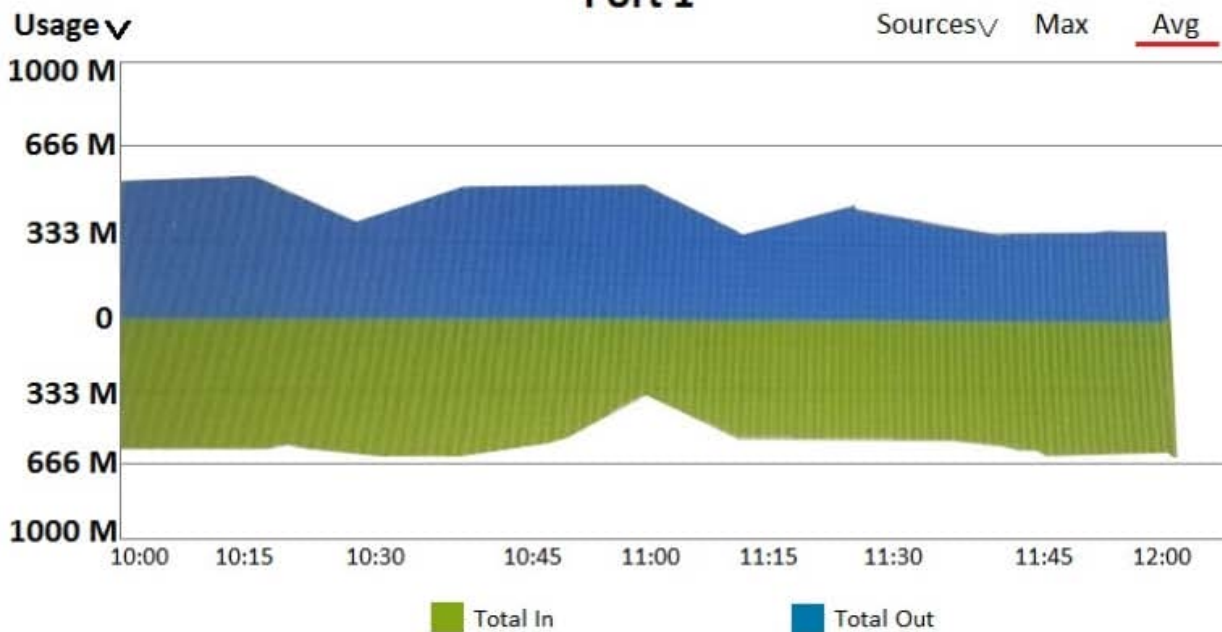
- A. to support cloud-based management and guest services through Aruba Central integration
- B. to obtain a great number of options for types of ports, including PoE and non-PoE
- C. to enhance network monitoring and analytics
- D. to support Zero Touch Provisioning (ZTP)

Correct Answer: C

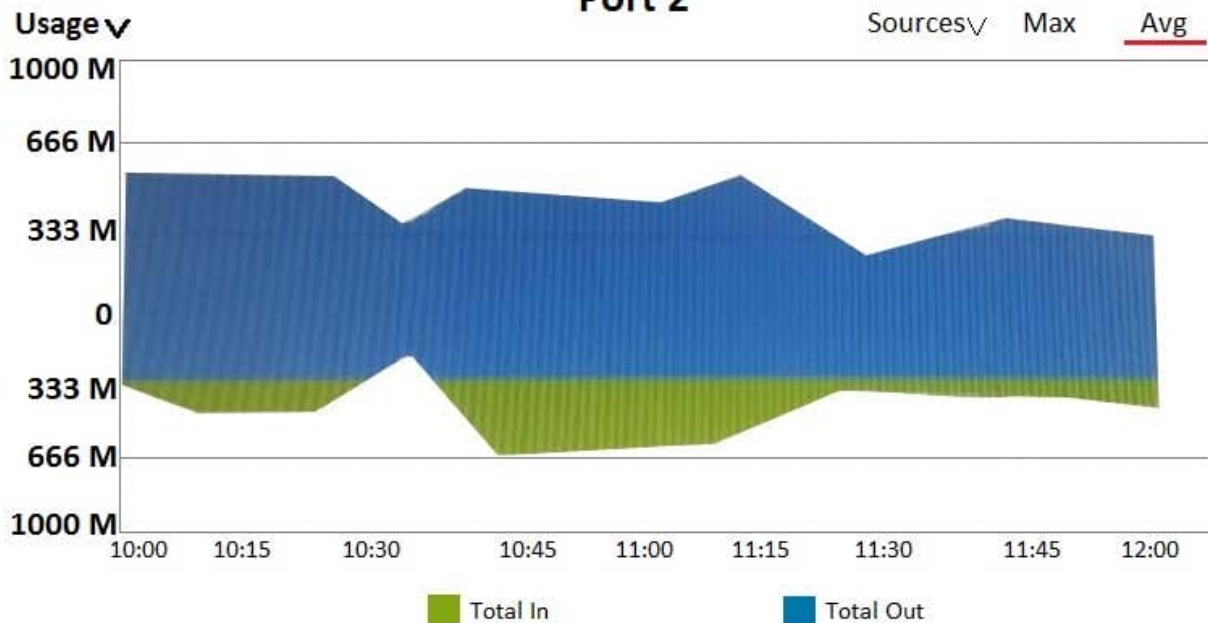
QUESTION 10

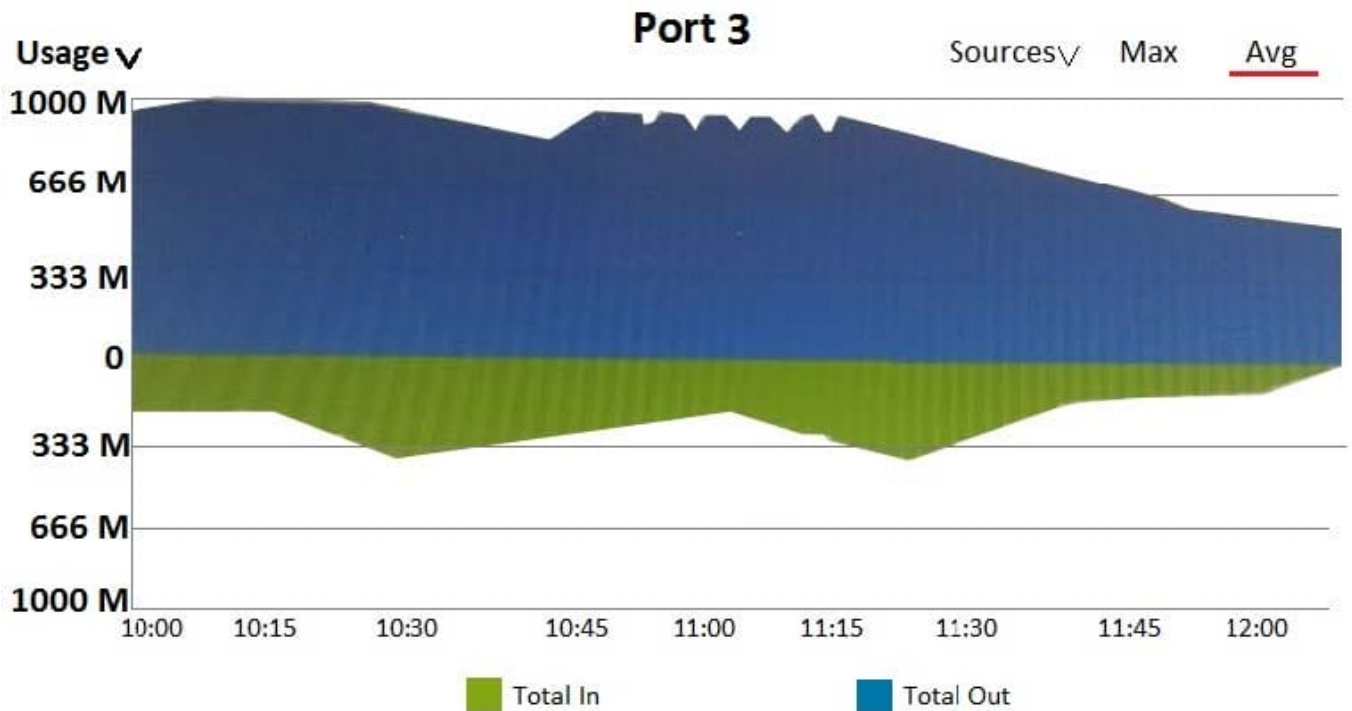
Refer to the exhibit.

Port 1



Port 2





A customer needs a wired network upgrade and has complained about performance issues. The architect has collected information about traffic flow on several switch ports in different locations across the network, and the results are shown in the exhibit. Each of these ports is a 1Gbps port.

What can the architect conclude?

- A. None of these ports show any periods of congestion.
- B. Port 1 shows periods of congestion, other ports are not congested.
- C. Port 3 shows periods of congestion, other ports are not congested.
- D. All of the ports show serious congestion.

Correct Answer: D

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