

HP0-Y50^{Q&As}

Architecting HP FlexNetwork Solutions

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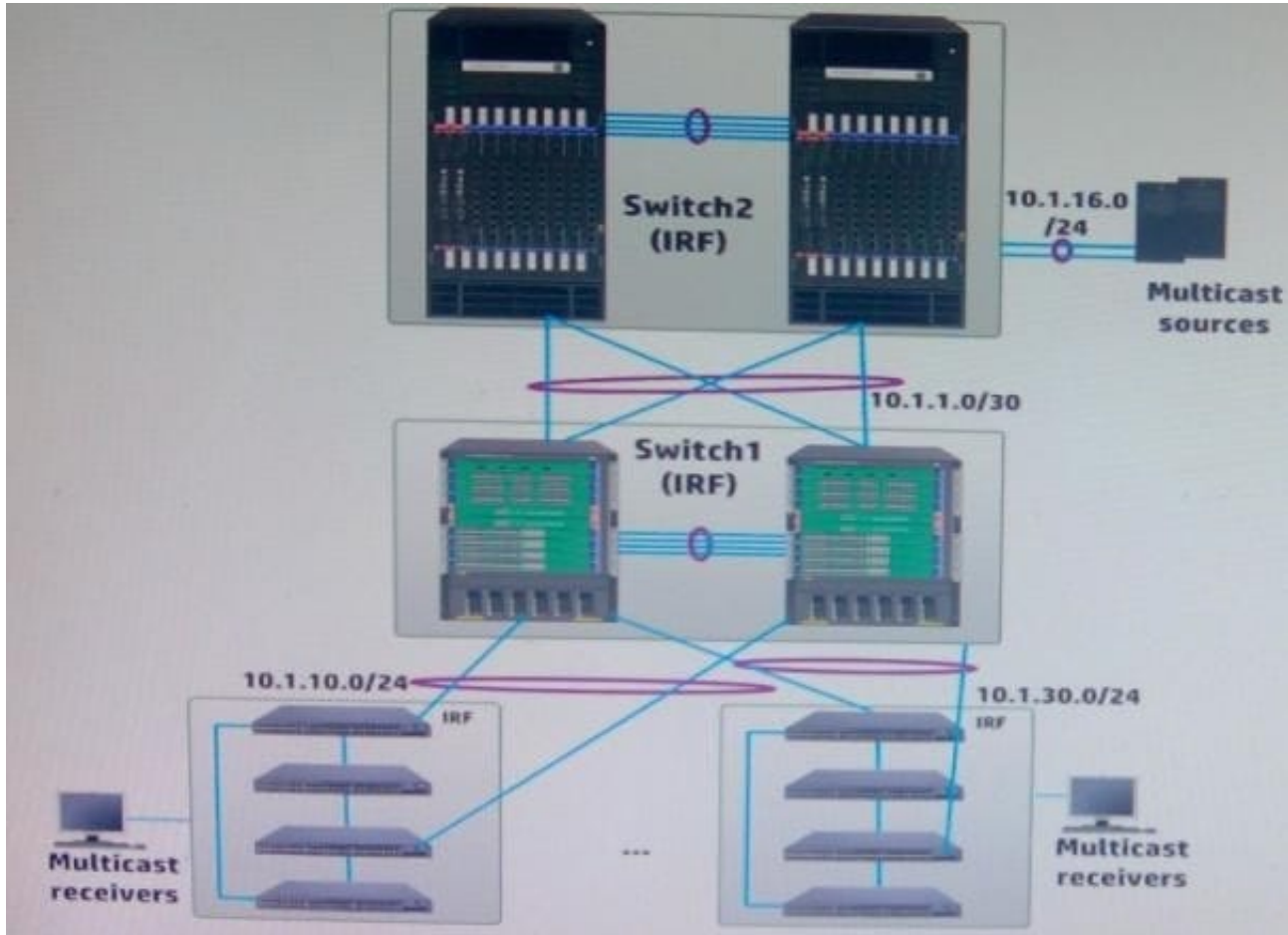
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QUESTION 1

Refer to the exhibit.



All connections between switches are 10 Gbps. Switch is an Intelligent Resilient Framework (IRF) group with two member. Switch2 is an IRF group with two members.

Switch1 and Switch2 route all traffic.

A network architect is designing a solution for a finance company. One of the primary applications is a multicast application that delivers stock information to IP video screens across the site. The network architect is seeking a multicast

solution that meets these needs:

Simple configuration that the customer's IT staff can manage and troubleshoot No single point of failure for the multicast traffic What is the best solution for this environment and these needs?

- A. Protocol Independent Multicast (PIM) Dense Mode (DM).
- B. Protocol Independent Multicast (PIM) Sparse Mode (SM) with switch 1 and switch 2 configured as candidate Rendezvous Points (C-RPs), and switch1 and Switch2 also configured as Bootstrap Router (BSRs).
- C. Protocol Independent Multicast (PIM) Dense Mode (DM) with Switch1 and Switch2 set as the DM Master Router.

Switch1 has a higher MR priority for an address associated with the multicast application.

D. Protocol independent Multicast (PIM) Sparse Mode (SM) with switch1 and Switch2 set as the static Rendezvous Points (RPs). Switch1 has a higher RP priority for an address associated with the multicast application.

Correct Answer: C

QUESTION 2

HOTSPOT

HP data center access layer can use top of rack (ToR) switches or End of Row (EoR)/Middle of Row (MoR) switches. Select the design with advantage.

Hot Area:

Lower latency for a higher volume of server-to-server communications

<input type="checkbox"/>
TOR
EOR

Here manageable cabling and potentially lower cost 10G-to-the server

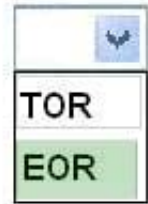
<input type="checkbox"/>
TOR
EOR

Outer isolation of traffic and issues

<input type="checkbox"/>
TOR
EOR

Correct Answer:

Lower latency for a higher volume of server-to-server communications



Here manageable cabling and potentially lower cost 10G-to-the server



Outer isolation of traffic and issues



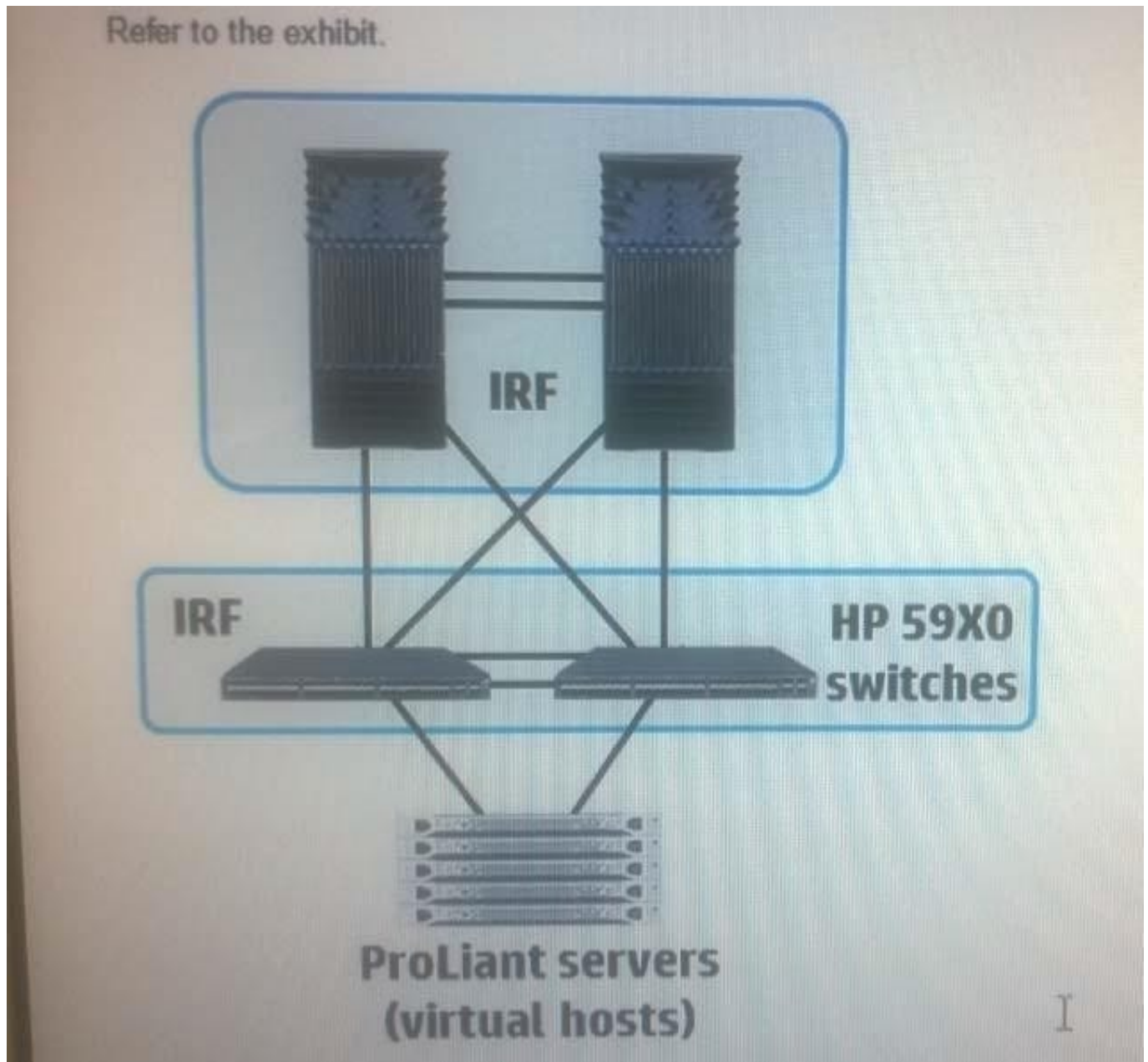
QUESTION 3

After analyzing a hospital's applications, the network architect identifies two life-critical applications. What is the availability requirement for a life-critical application?

- A. 99%
- B. 99.9%
- C. 99.99%
- D. 99.999%

Correct Answer: D

QUESTION 4



When does this design benefit a virtualized data center?

- A. The access layer and core switches use several layers of redundancy protocols, including Multiple Spanning Tree Protocol (MSTP) at Layer 2, Virtual Router Redundancy Protocol (VRRP) at Layer 3, and Intelligent Resilient Framework (IRF) at Layer 4.
- B. The access layer and core switches can connect on link aggregation groups. VLANs can extend across these aggregations, but they are more stable and highly-available than redundant Layer 2 links that use spanning tree.
- C. The access layer switches can integrate their Intelligent Resilient Framework (IRF) capabilities with those on the core switches to create a single CLOS fabric.
- D. The core switches can implement Virtual Ethernet Port Aggregator (VEPA) to extend tunnels for virtualized traffic across the data center backbone.

Correct Answer: B

QUESTION 5

The customer plans to connect 40 Voice over IP (VoIP) phones and 8 security cameras to a switch:

The VoIP phones are Class 2 devices and require a maximum of 4.5W (draw 5w) The security cameras are Class 4 devices and require a maximum of 17W (draw 20W) The network architect is proposing a switch that supports PoE and PoE + and has a PoE Power budget of 370W.

The architect proposes the usage from of power allocation. What are the advantages and disadvantages of this proposal?

- A. It allows the switch to run at a lower temperature, saving power and cooling costs, but it decreases the performance for the phones.
- B. It allows the switch to connect to the PoE and PoE+ devices on cheaper copper cable, but it limits the distance between the devices.
- C. It allows the switch to connect to the PoE and PoE + devices at the same time, but the customer must purchase a redundant power supply.
- D. It allows the switch to support the PoE requirements without a redundant power supply, but power might be oversubscribed if conditions change.

Correct Answer: D

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