

## HP0-Y50<sup>Q&As</sup>

Architecting HP FlexNetwork Solutions

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**QUESTION 1**

A network architect is using the Network Traffic Analyzer (NTA) module for HP Intelligent Management Center (MC) to evaluate traffic patterns in a campus LAN environment. The network architect hopes to use this information to determine whether the current oversubscription is working well or whether the new plan to have less oversubscription.

What will provide the most useful information for this decision?

- A. The peak utilization on uplinks
- B. The sum of the average utilization on user edge ports
- C. The peak utilization on randomly-selected user edge ports
- D. The average utilization on uplinks

Correct Answer: A

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**QUESTION 2**

A data center has a traditional three-tier network design with routing at the distribution layer. The customer is virtualizing its servers and adding technologies such as live migration of virtual machines (VMs). How well does the architecture (topology) meet the needs of the customer's changing environment?

- A. This topology is not ideal in supporting the low-latency Layer 2 communications that this environment requires
- B. This topology is ideal because it enforces consolidation of virtualized server domains
- C. This topology is not ideal because it enforces consolidation of virtualized server domains
- D. This topology is not ideal for supporting the Secure Virtualization Framework (SVF) required to protect the virtual servers

Correct Answer: A

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**QUESTION 3**

What correctly describes one trend that is changing how network architects must design the data center network infrastructure?

- A. Applications are drawing on more and more locally stored data, which causes customers to favor blade servers and blade enclosures
- B. Applications are considering on single, highly available mainframes, driving the need for 10G connections to the server edge
- C. Applications are increasingly virtualized, which requires architects to implement routing at the access layer to segment each rack into its own VLAN
- D. Applications are scaling out across multiple servers, increasing communications between servers distributed across the data center

Correct Answer: D

**QUESTION 4**

A customer is seeking an upgrade for their campus LAN network. Currently, the customer has access layer switches that support 18.10/100/1000 Mbps ports and one Gigabit uplink. The customer wants better performance in the upgrade but also wants to minimize costs.

The network architect has used the Network Traffic Analyzer (NTA) for Intelligent Management Center (IMC) to collect information about the access layer uplinks. These are the results:

For switches on Floor1, the peak utilization is 650 Mbps on a Gigabit uplink. On most days, the utilization peaks at about 400 Mbps. Peaks usually occur briefly. For switches on Floor2, the peak utilization is 800 Mbps on a Gigabit Uplink.

During active periods, the utilization often remain near 800.

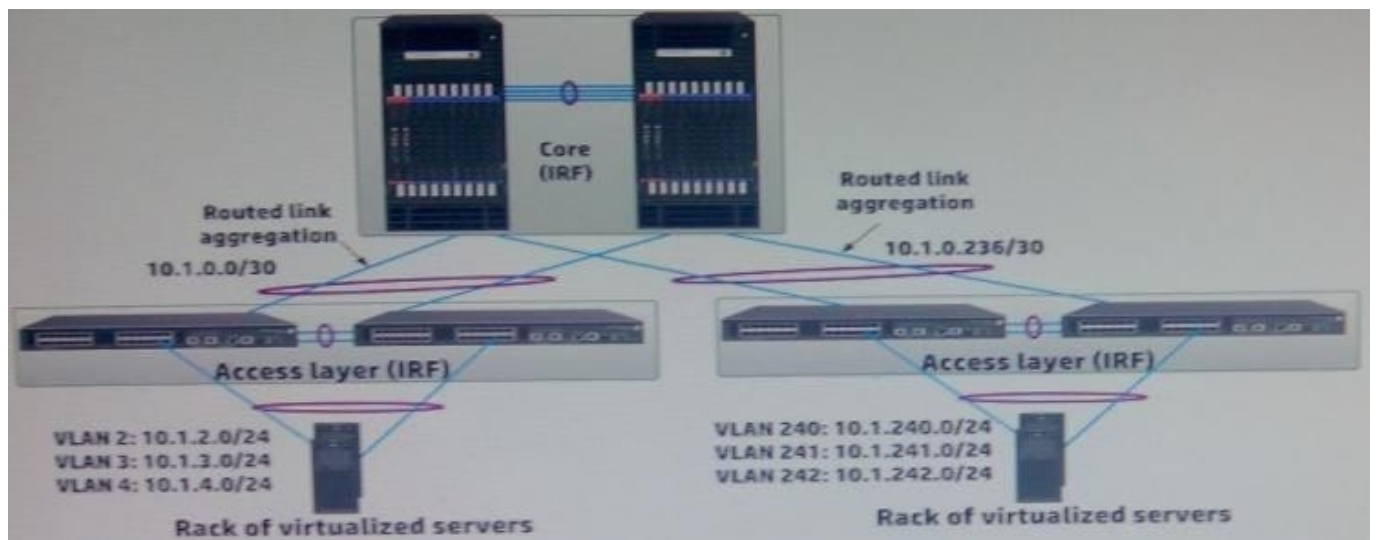
What is most appropriate plan for oversubscription in the new access layer? (For this question, think only about oversubscription and not customer needs for redundancy)

- A. 48 1 on floor 1 and 24 1 on floor 2
- B. 24.1 on floor 1 and 4.1 on floor 2
- C. 48 1 in all locations
- D. 24 1 in all locations

Correct Answer: A

**QUESTION 5**

Refer to the exhibit.



The exhibit shows a proposed design for a data center network infrastructure. The exhibit shows two racks for simplicity. The data center will actually include more racks.

The customer has these key requirements:

The customer can scale any application and easily install new hardware that supports that application

The network supports vMotion for live migration of virtual machine (VMs)

How should the network architect change the proposed design to meet the customer requirements?

- A. Replace the rack servers with blade enclosures
- B. Add more links between the servers and the access layer
- C. Remove routing from the access layer and extend VLANs to multiple racks
- D. Add a distribution layer between the access layer and the core

Correct Answer: A

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