**Vendor:**HP

**Exam Code:**HP0-Y50

**Exam Name:**Architecting HP FlexNetwork Solutions

**Version:**Demo

**QUESTION 1**

Which description best characterizes current trends in deploying services for an enterprise?

A. Companies are connecting multiple sites together but distributing services to each site to increase resiliency and responsiveness.

B. Companies are moving services out of the private cloud into more responsive pods that are distributed throughout the campus LAN.

C. Companies are transforming their campus LAN and data centers into one large Layer 2 network

D. Companies are centralizing services in a consolidated data center or even a highly scalable private cloud

Correct Answer: A

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**QUESTION 2**

A network architect has designed a two-tier topology for the campus LAN and is planning to implement routing at the core. Which requirement might cause the network architect to consider implementing routing at the access layer?

A. Employees in different VLANs need to use collaboration applications to share high- resolution graphic files

B. The solution must support an isolated VLAN for wired guest devices

C. Employees need to be placed in dynamic VLANs, assigned by a RADIUS server in identity, so that network managers can manage the solution more easily

D. The customer has an HP Unified Wired-WLAN solution, and wireless users need to roam seamlessly across the site

Correct Answer: A

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**QUESTION 3**

Which task does the HP Software-Defined Networking (SDN) Developer Support Description service help a customer perform?

A. Replace existing virtual switches with HP-supported software-based switches.

B. Create, test, and troubleshoot SDN applications

C. Determine whether the company\\'s network infrastructure is ready for SDN.

D. Develop a migration plan to an SDN environment.

Correct Answer: A

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**QUESTION 4**

A hospital CIO tells the network architect that the current network solution is not performing well. The hospital has access layer switches that support 4810/100/1000 Mbps ports and one Gigabit uplink. The hospital is seeking an upgrade to provide better performance and redundancy.

The CIO cannot provide network architect more detailed information about traffic patterns and utilization but does not want the network architect to install intelligent Management Center (IMC) and analyze the traffic.

The CIO does indicate that these applications are important: Voice over IP (VoIP) Scheduling and billing application Patient data logging Medical imaging
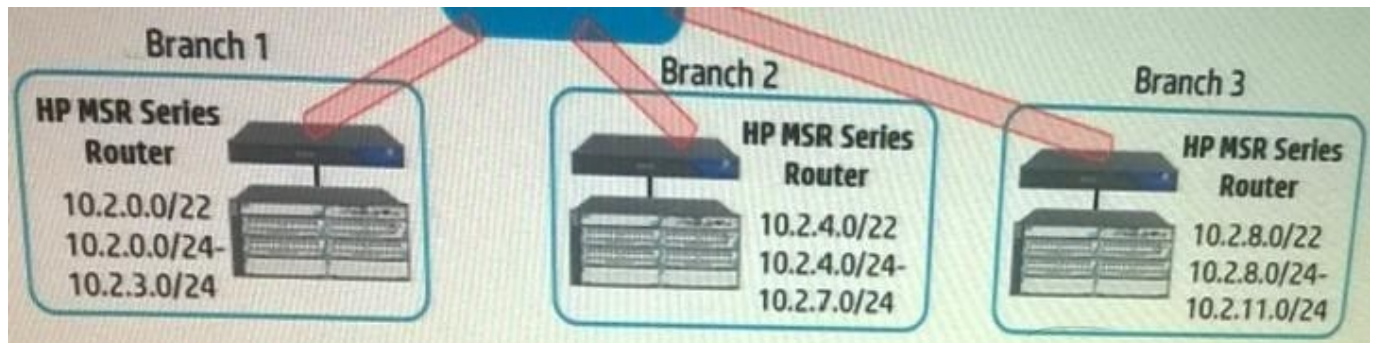
The network architect needs to plan an appropriate oversubscription ratio for access layer uplinks.

What is one piece of information that the architect should collect for this task?

A. How much bandwidth the medical imaging applications require

B. Whether the VoIP traffic must be forwarded at layer 2 or whether it can be routed

C. Whether the billing applications and patient data require encryption

D. Which 802.1p value the VoIP applications use to mark their traffic

Correct Answer: A

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**QUESTION 5**



A company has several branch offers, each of which has four VLANs: one for employees, one for guests, one for network infrastructure local services. At each office, a VLAN has a maximum of 200 endpoints. Each branch office represents one Open Shortest path First (OSP) architect has created the plan shown in the exhibit for IP addressing. What is a potential disadvantage of this design?

A. The subnets are large enough to accommodate fewer endpoints. But not large enough to accommodate 200 end points

B. It makes it more complicated for the company to add subnets to branches in the future.

C. The scheme uses private network addressing space, which is not permitted for use with OSPF.

D. The address blocks do not provide enough IP addresses for the devices currently at each branch.

Correct Answer: B

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**QUESTION 6**

A network architect is working with a customer to implement a new network design. The network architect has learned that the company has a legacy application hosted on a number of legacy servers. The legacy application must remain intact and after the new network implementation. As the company plans to continue using it indefinitely.

With which stakeholder should the network architect discuss the technical detail of the legacy system and any challenges or specifics about maintaining interoperability?

A. Chief Executive officer (CEO)

B. Network Architect or Planning Engineer

C. Chief Information Officer (CIO) or Voice President (VP)/ Director of IT

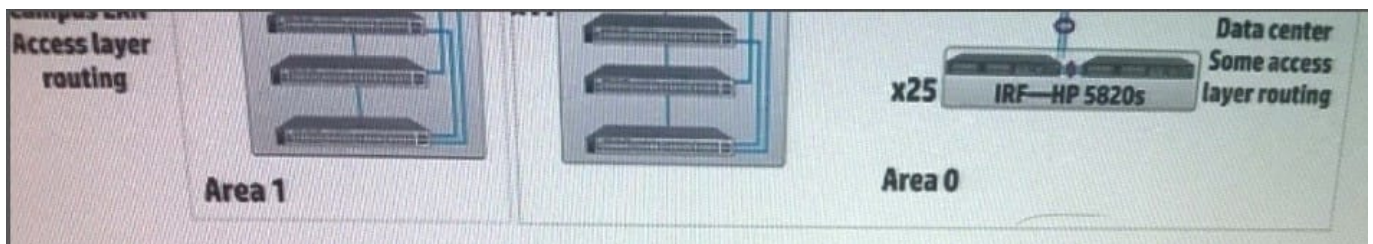D. Chief Financial Officer (CFO) or Voice President (VP)/ Director of Finance

Correct Answer: B

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**QUESTION 7**

A network architect is choosing fabric module for an HP 10500 Series Switch. Which factors affect the choice?

A. The environment in which the switch will be installed and the direction of the airflow

B. The number of IPv4 and IPv6 routes that the switch must support in its routing table

C. The type of I/O modules and whether full bandwidth must be supported on all ports at the same time

D. The type of management modules and whether these modules operate in hot-standby mode

Correct Answer: C

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**QUESTION 8**



Which exhibit shows the better Open Shortest Path First (OSPF) area scheme and for which reason?

A. Exhibit 1 because it allows the application of access control lists (ACLs) between users and the data center

B. Exhibit 1 because the campus and data are separate areas

C. Exhibit 2 because every area has similar numbers of routers

D. Exhibit 1 because every area has fewer than 50 routers

E. Exhibit 2 because every area has fewer than 35 routers

Correct Answer: B

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**QUESTION 9**

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

The VoIP phones are Class 2 PoE devices and require a maximum of 45W (draw a maximum of 5w)

The security cameras are Class 4 PoE+ devices and require a maximum of 17W (draw a maximum of 20 W)

The network architect is proposing an HP 5500-48G-PoE switch, which supports PoE and PoE+ and has a PoE power budget of 370W

The customer and architect agree on the class form of power allocation

What else does the solution require?

A. A management module that is PoE+ capable

B. A redundant power supply for the switch that enhances the PoE/PoE+ budget

C. A power converter that enables the switch to provide PoE and PoE+ power at the same time

D. A 208-220V input power service

Correct Answer: A

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**QUESTION 10**

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 Floo2, 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

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**QUESTION 11**

HOTSPOT

Work architect planning the implementation of a solution. For each role, choose whether or not the architect should notify these people and involve them in plan.

Hot Area:

| Administration responsible for a application affected by the implementation | Involve / Do not involve |
|---|---|

| Employees who run application affected by the implementation | Involve / Do not involve |
|---|---|

| Compliance teams responsible for ensuring the customer's network solution meets regulatory standards | Involve / Do not involve |
|---|---|

Correct Answer:

| Administration responsible for a application affected by the implementation | Involve / **Do not involve** |
|---|---|

| Employees who run application affected by the implementation | **Involve** / Do not involve |
|---|---|

| Compliance teams responsible for ensuring the customer's network solution meets regulatory standards | **Involve** / Do not involve |
|---|---|

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**QUESTION 12**

A network architect has created a quality of service (QoS) for an HP 5900 Series switch that uses four traffic classes. Class of Service (CoS) 5 for voice traffic. CoS 4 for Video traffic. And CoS 0 for everything else. The switch ports implement strict priority (SP) queuing.

What would be an advantage of enabling weighted fair queuing (WFQ) instead of SP?

A. When congestion occurs, the port will randomly drop traffic in the CoS 3 and CoS 0 queues, preventing TCP synchronization that increase congestion

B. The architect can ensure that voice traffic is always forwarded before bandwidth intensive video traffic

C. The architect can guarantee specific bandwidth to each class but prevent video an SAP applications from starving out other applications entirely

D. When congestion occurs, the port will buffer traffic in lower priority queues rather than drop it immediately as it does with SP queuing

Correct Answer: C