



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

Architecting HP FlexNetwork Solutions

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### QUESTION 1

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 2

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 3

A network architect has planned several validation tests and user acceptance tests (UATs) for a new HP solution. In order to ensure meaningful results, what is one step that the network should complete before implementing the new solution?

- A. Talk with key authentication to determine valid maintenance windows for the UATs
- B. Plan how long it will take to rollback the new solution of the tests indicate poor results



- C. Schedule a point of no return, after which results will not be accepted
- D. Run the same tests on the existing network solution

Correct Answer: D

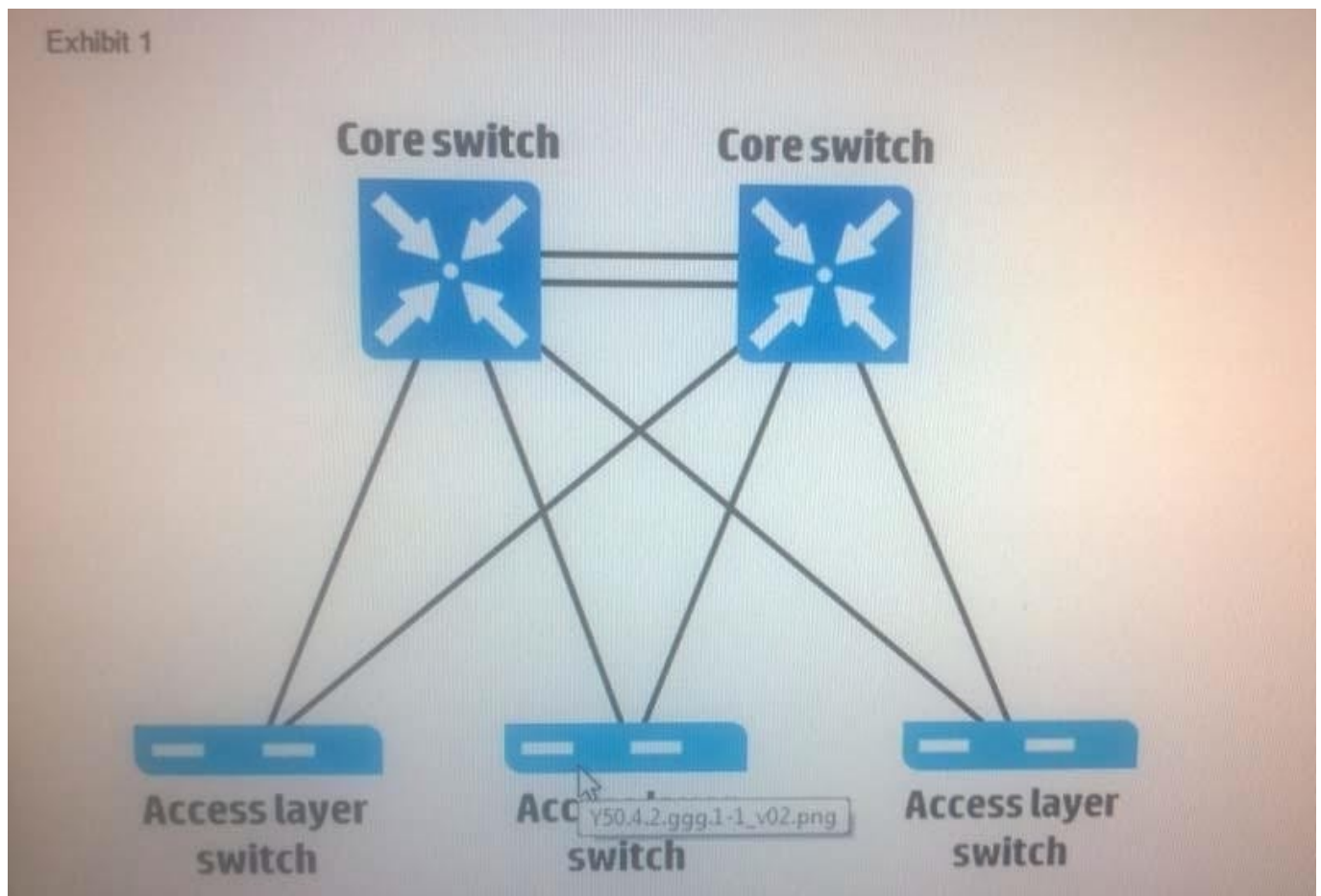
#### QUESTION 4

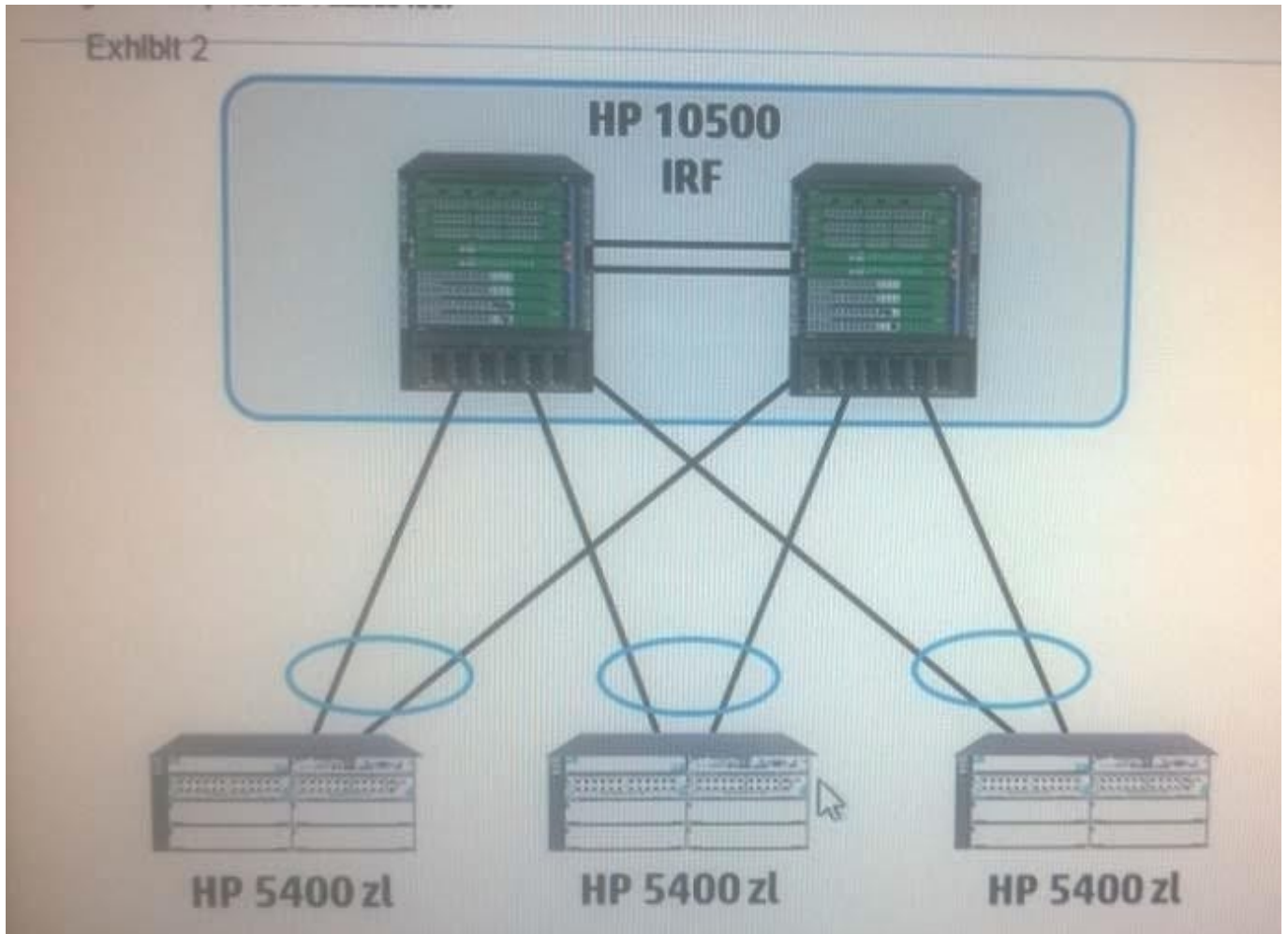
A network is planning the products that interconnect a main site campus LAN, branches, and data center (located at a different site from campus). Which customer requirement would causes the network architect to choose HP enterprise-class modular routers as opposed as deep-buffer switches for this solution?

- A. The need for WAN connections that use T3/E3/J3
- B. The need or a fully redundant solution with two devices working as a team
- C. The need for thousand of routes in the routing table
- D. The need for high-speed routing

Correct Answer: A

#### QUESTION 5





A customer has an existing solution, which is shown in Exhibit 1. (The solution actually includes more access layer switches than shown.) In the existing solution, each access layer switch routes traffic.

A network architect is proposing the HP FlexCampus solution shown in Exhibit 2. In this proposed solution, the core Intelligent Resilient Framework (IRF) virtual switch routes traffic but the access layer switches do not. The customer links that

in the existing solution if an access layer uplink fails, failover occurs in less than a second.

The customer also likes that the existing solution does not require Virtual Router Redundancy Protocol (VRRP).

What should the architect tell the customer about the benefits of the proposed solution?

- A. Although the solution offers slower failover for the access layer uplinks, it is simpler and eliminates VRRP.
- B. STP eliminates the loops on the access layer uplinks and handles failover for them, which speeds convergence.
- C. Failover for an access layer uplink occurs in milliseconds, and router redundancy does not require VRRP.
- D. IRF handles loop elimination and link failover, which lets VRRP handle router redundancy more efficiently.

Correct Answer: C



### QUESTION 6

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 7

An architect is planning an HP Wired-WLAN solution for an office with approximately 4000 users who will use the wireless network rather heavily and who need to roam seamlessly. The solution will have 256 MSM 460 APs. What is one reason for using two HP Wired- WLAN controllers for this solution?

- A. Each Wired-WLAN controller can only support 2000 users.
- B. The customer needs fast roaming, which requires a mobility solution between two controllers.
- C. Forwarding traffic through two controllers can prevent a bottleneck due to heavy usage.
- D. Each Wired-WLAN controller can only support 128APs.

Correct Answer: C

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### QUESTION 8

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 and 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

## QUESTION 9

### HOTSPOT

Watch the modules for HP Intelligent Management Center (IMC) to the profile of the customer who needs that solution.

Hot Area:

HP User Access Manager, HP Wireless Services Manager (VSM), and HP Endpoint Admission Defense (EAD)

<input type="checkbox"/>
The customer network administrator struggle to keep up with network provisioning requests from server administrator
The customer network administrator want to understand the root causes of congestion
The customer wants to Bring Your Own Device (BYOD) solution

HP Network Traffic Analyzer (NTA) and HP User Behavior Auditor (UBA)

<input type="checkbox"/>
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HP Virtual Application Networks (VANs) Connection Manager (CM) and Resource Automation Manager (RAM)

<input type="checkbox"/>
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Correct Answer:





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### QUESTION 10

A service must be available 24x7. It also requires 99.999% availability. How much total downtime can the service tolerate in one year?

- A. About 5 seconds
- B. About 5 minutes
- C. About 50 minutes
- D. About 5 hours

Correct Answer: B

### QUESTION 11



An implementation plan should include an agreed-on time for the final rollback decision. What should this decision be scheduled?

- A. After the cutover to the new solution and the first set of validation tests and just before the user acceptance tests (UATs)
- B. after the first steps of the rollback plan have been implemented, about ten minutes before the end of the maintenance window
- C. just before the point of no return, which is calculated by subtracting the rollback time from the end of the maintenance window
- D. ten minutes before the end of the maintenance window or one hour into the implementation, whichever occur first

Correct Answer: C

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### QUESTION 12

When would a network architect recommend an HP HSR6800 Router for a campus LAN? (Select two)

- A. The HP HSR6800 Router provides routing features at a more attractive price point than a routing switch
- B. The company wants to implement a Dynamic Virtual Private Network (DVPN)
- C. The HP HSR6800 Router Supports Border Gateway Protocol (BGP), which is unavailable on routing switches
- D. The company needs a routing device that supports extremely large tables
- E. The company requires a large number of 10G connections

Correct Answer: BD

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### QUESTION 13

If a network architect is planning a secure device management policy, why would administrators need to generate SSH keys on network infrastructure devices?

- A. To authenticate managers with a more secure method than passwords
- B. To encrypt management traffic and also authenticate managers with asymmetric
- C. To authenticate managers and assign them privileges according to their identity
- D. To encrypt management traffic related to the CLI

Correct Answer: D

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### QUESTION 14

A customer requires high availability for wireless services at branches. The customer also wants to centralize management and traffic distribution as much as possible. What should the architect suggest?





- A. Controlling branch APs with one or more HP 7500/10500 20G Wired-WLAN at the main office and enabling remote-AP features
- B. Controlling branch APs with a cluster of HP 830 Unified Wired-WLAN switches, one of which is deployed at the main office and one of which is deployed at the branch
- C. Deploying the APs without a controller but managing them with HP Intelligent Management Center (IMC) Wireless Services Manager (WSM)
- D. Controlling Branch APs with two HP 830 Unified Wired-WLAN switches, which are deployed at the main office

Correct Answer: D

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### QUESTION 15

An employer takes the company laptops offsite and connects it to an insecure network. A hacker is able to deploy a malware application to the laptop. The employer takes the laptop back to the office, where the malware uses the credentials of the employee to eavesdrop and to implement denial of service (DoS) attacks.

Which security solution would help prevent this type of attack?

- A. MAC lockdown
- B. A dynamic VPN (DVPN)
- C. Port-based security with 802.1X
- D. Endpoint integrity

Correct Answer: D

Reference: [http://www.hp.com/rnd/pdfs/IDM\\_plus\\_EI\\_Technical\\_Overview.pdf](http://www.hp.com/rnd/pdfs/IDM_plus_EI_Technical_Overview.pdf) (page 2, endpoint integrity defined)

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