HP0-Y50 Q&As

Architecting HP FlexNetwork Solutions

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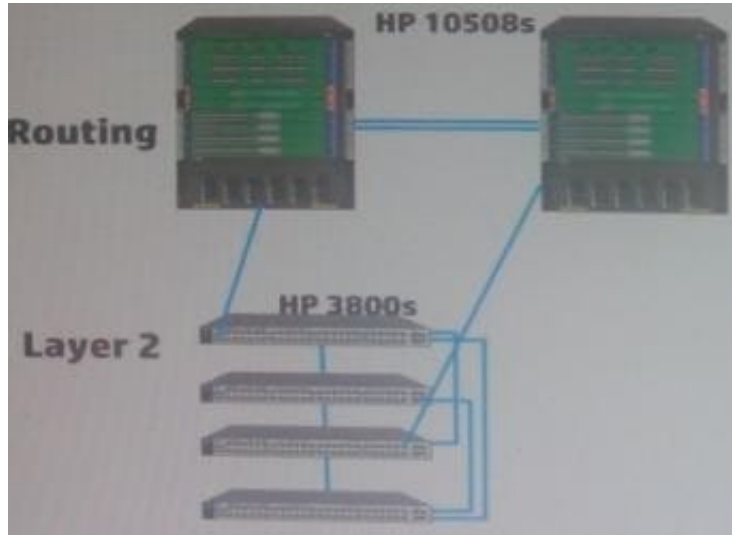
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QUESTION 1

Refer to the exhibit.

A network architect has planned redundant links as shown in the exhibit. What should the network architect do to ensure that the redundant link design is truly resilient?

A. Implement the features such as link aggregation, backplane stacking, and intelligent Resilient Framework (IRF)

B. Add another link between the Layer 2 switches and the core so that up to the two links can fail

C. Implement a feature such as bidirectional forwarding detection (BFO) on each redundant link

D. Make sure that each HP 10508 switch is configured as a root in one Multiple Spanning Tree Protocol (MSTP) instance

Correct Answer: C

QUESTION 2

A company is upgrading a data center network solution in phases. The first phase involves updating the top of rack (ToR) switches in one rack. Other switches will be updated in their phases.

What is one benefit of this approach?

A. It allows the through testing of the solution in real-world circumstances

B. It ensures that the network can be updated without any scheduled downtime

C. It removes the need to conduct connectivity and failover tests during the implementation

D. It removes the need for working with customer change management processes

Correct Answer: C

QUESTION 3

A network architect is designing as a Multiple Spanning Tree Protocol (MSTP) solution for a network. The network architect plans to create 10 VLANs. The network architect also wants to ensure that the best paths are selected when interoperating with other spanning tree regional.

Which guideline aids in ensuring best paths between regions?

A. Place five VLANs in one MSTP instance and five in the other instance.

B. Set up the correct priority on the switch that you want to be root in instance 0.

C. Calculate the traffic load for each VLAN and then distribute them accordingly between each MSTP instance.

D. Use the appropriate cost settings for links as specified in the IEEE 802.1t standard.

Correct Answer: C

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

QUESTION 5

Refer to the exhibit.
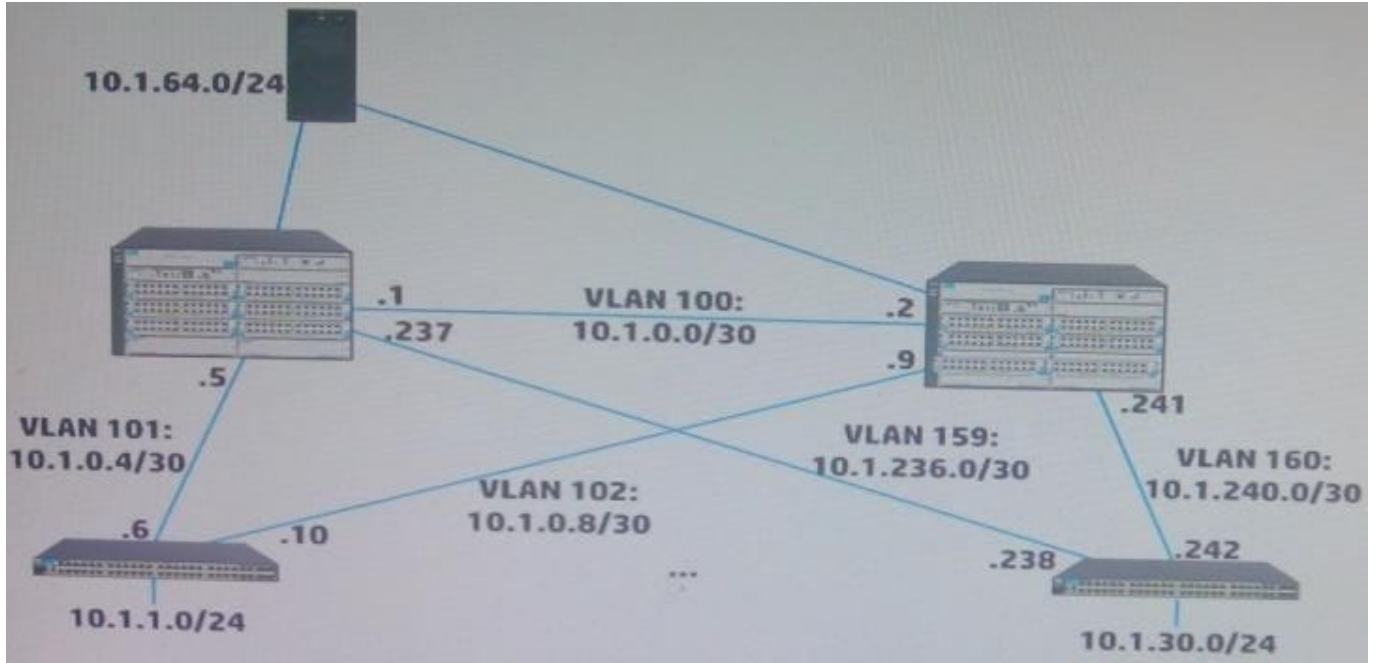
The exhibit shows the topology for a network with 30 access layer switches (only two are shown). Every switch-to-switch link is a Gigabit link. Every virtual local area network (VLAN) interface runs Open Shortest Path First (OSPF) and has

the IP address shows in the exhibit. The interface settings are at the defaults.

The access layer switches support more VLANs not shown in the exhibit and also run Multiple Spanning Tree Protocol (MSTP) as a protection against loops.

What is one recommendation for enhancing convergence time and resiliency for this solution?

A. Add a BPDU filter to the VLAN interfaces shown in the exhibit

B. Lower the cost of the VLAN interfaces to reflect the high speed of the links

C. Place all the switch-to-switch links in the same VLAN

D. Raise the OSPF timers on the VLAN interfaces

Correct Answer: A

QUESTION 6

A network architect is planning a complete access layer and core upgrade for customer\\'s campus LAN. The campus has four large buildings, each requiring between 1000 and 3000 edge ports. Which factor will play a primary role in determining whether the network architect needs to plan a two-tier or three-tier topology for the campus LAN?

A. The number of fiber links between each building and the building where the core switches reside

B. Whether the customer requires a wireless solution

C. The high number of edge ports that the solution requires

D. Whether the customer can afford core switches that support intelligent Resilient Framework (IRF)

Correct Answer: C

QUESTION 7

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

QUESTION 8
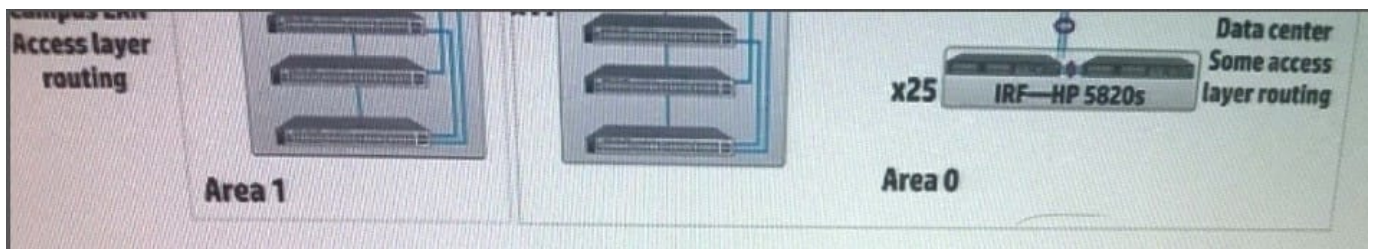
Which exhibit shows the better Open Shortest Path First (OSPF) area scheme and for which reason?

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

QUESTION 9

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 proposinga switch that supports PoE and PoE + and has a PoEPower 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

QUESTION 10

Refer to the exhibit.
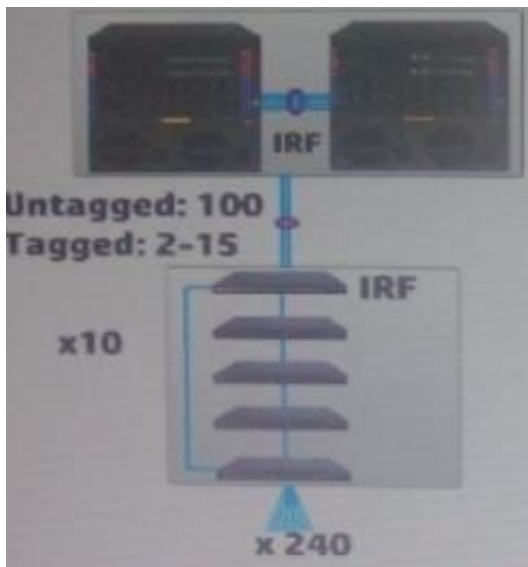
A network architect is designing the logical topology for a campus LAN networking solution. The customer requires support for 2400 edge ports, which is provided by 10 intelligent Resilient Framework (IRF) groups at the access layer. This customer does not have a wireless network nor anticipants adding one in the next two years. However, the customer does want to authenticate users with 802.1X and use the network RADIUS server to divide users from different groups into different VLANs. The customer has three user groups, each of which includes between 600 and 900 users.

Additionally, the customer understands that the RADIUS server will require several policies but wants to keep these policies as simple and easy to maintain as possible.

How can the network architect ensure that the solution meets the customer needs and also follows best practice?

A. Assign a /23 subnet to each VLAN so that the VLAN can accommodate the required number of users, even if users connect multiple devices

B. Plan a different VLAN ID and subnet address for each user group on each access layer IRF group. Either core or access layer routing will work for this solution

C. Use access layer routing. Assign a different subnet to VLAN2 on one access layer IRF group then the VLAN2 on the another access layer group

D. Plan a solution for designing dissolvable agents to the endpoints so that they can complete 802.1X authentication seamlessly

Correct Answer: B

QUESTION 11

What is the preferred time for completing racking and labeling of equipment for a new implementation?

A. After the scheduled outage has begun and initial tests have indicated success

B. Before the scheduled outage

C. At any time between the beginning of the scheduled outage and the point of no return

D. At the beginning of the scheduled outage

Correct Answer: B

QUESTION 12

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

QUESTION 13

A company recently experienced a data breach when an unauthorized user accessed the network. Which questions should the network architect ask to identify an affective access solution to prevent unauthorized access in the future? (Select two)

A. Do users have legacy device that do not support 802.1X?

B. Does the company have the resources required to train users on remediation services?

C. Does the company\\'s firewall support access control lists (ACL)?

D. Does the company have an existing RADIUS server?

E. Do users devices support Secure Shell (SSH)?

Correct Answer: AD

QUESTION 14

The exhibit shows the topology for an enterprise customer LAN with an on-site data center. The Intelligent Resilient Framework (IRF) group switches supports a group of computers that very high availability to the data center. Therefore the customer has requested a backup that extends directly between the IRF group and the data center core. All of the VLAN interfaces and routed link aggregations that are shown implement Open Shortest Path First (OSPF) in a single area.

Which tasks should the network architect complete to ensure that the HP 5500 IRF group selects the correct path to the data center during (Select two).

A. Change the reference bandwidth to 80000 on all routing devices.

B. Configure the VLAN 101 interfaces as silent interfaces.

C. Change the reference bandwidth on the VLAN 101 interfaces to 1000.

D. Set the cost on the VLAN 100 interfaces to 2Set the cost for the VLAN 101 interfaces to 80.

E. Change the reference bandwidth on the VLAN 100 interfaces to 20000.

Correct Answer: CE

QUESTION 15
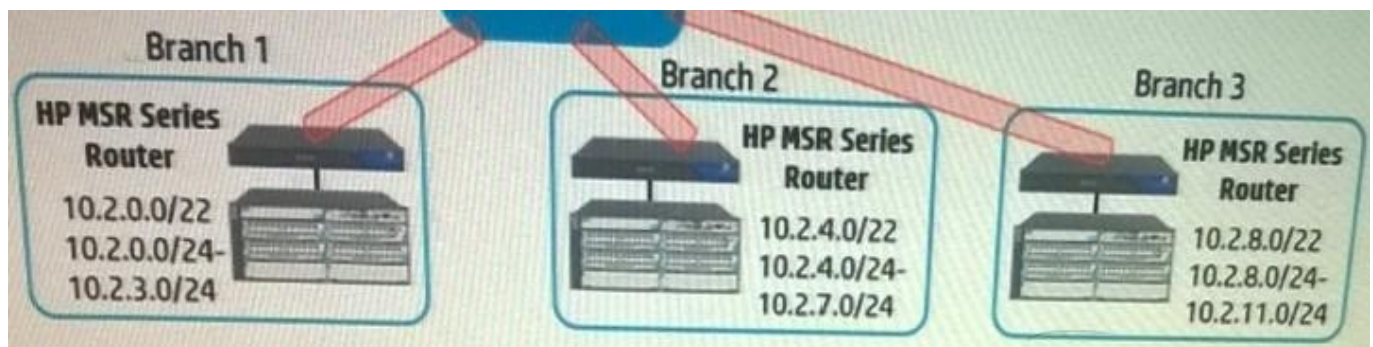
A company has several branch offers, each of which has four VLANs: one for employees, one for guests, one for network infrastructure local services. At each office, a VLAN has a maximum of 200 endpoints. Each branch office represents one Open Shortest path First (OSP) architect has created the plan shown 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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