

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

Architecting HP FlexNetwork Solutions

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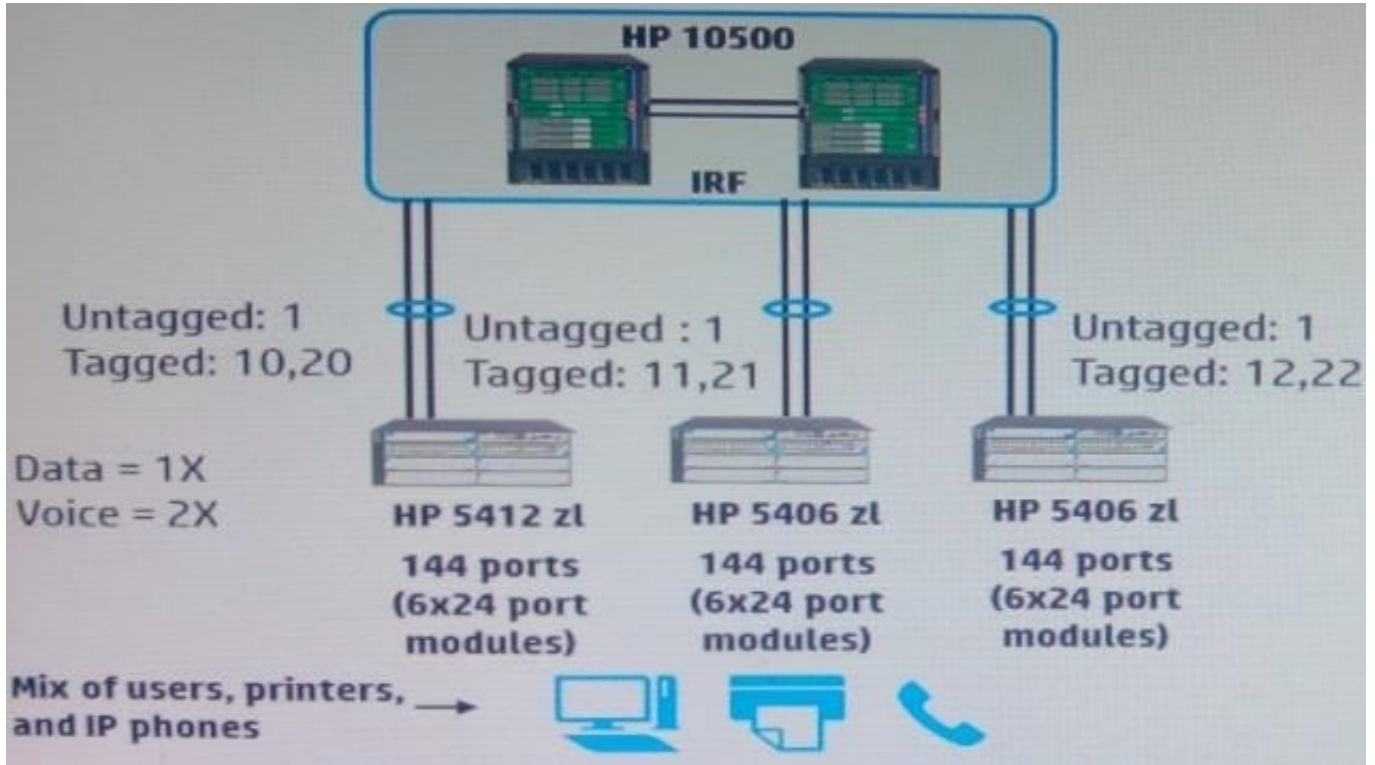
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**QUESTION 1**

Refer to the exhibit.



The network architect is planning network addresses for the VLANs shown. The company is using the private 10.0.0.0/8 space. Which guidelines should the network architect follow?

- A. Use a /22 subnet for each VLAN to ensure enough IP addresses for each large modular switch
- B. Implement the port isolation feature and apply several /30 subnets to each VLAN
- C. Use a /25 subnet for each VLAN to conserve the limited IP addressing space
- D. Use a /24 subnet for each VLAN for simplicity and scalability

Correct Answer: D

**QUESTION 2**

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

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### QUESTION 3

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).

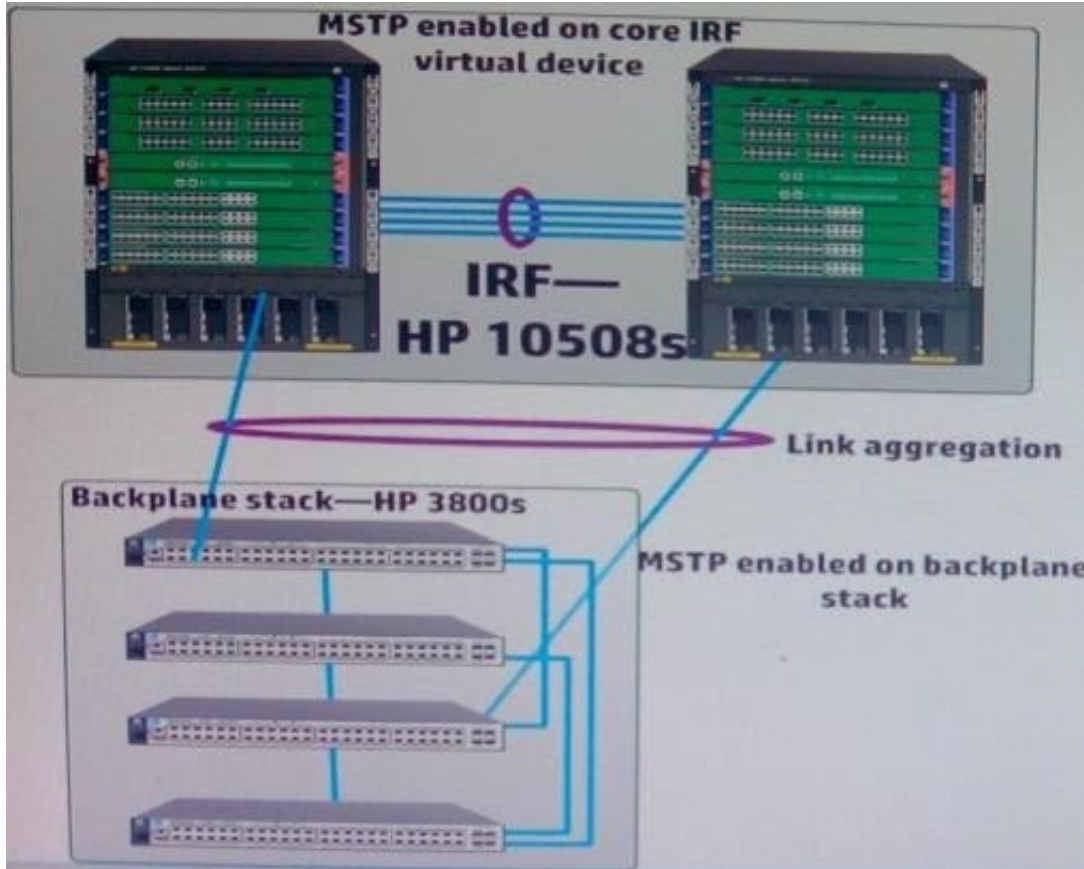
- A. Change the reference bandwidth to 80000 on all routing devices.
- B. Configure the VLAN 101 interfaces as silent interfaces.
- C. Change the reference bandwidth on the VLAN 101 interfaces to 1000.
- D. Set the cost on the VLAN 100 interfaces to 2Set the cost for the VLAN 101 interfaces to 80.
- E. Change the reference bandwidth on the VLAN 100 interfaces to 20000.

Correct Answer: CE

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### QUESTION 4

Refer to the exhibit.



A network architect is proposing this solution to a customer. The customer network manager has a preference for Cisco VLAN Spanning Tree Plus (PVST+) because this protocol provides for fast convergence when a link fails and also provides per-VLAN load-sharing over links.

How would the network architect explain why the solution fits these requirements?

- A. The MSTP component of the solution fulfills the same needs as PVST+ MSTP simply balances traffic per instance rather than per-VLAN
- B. The redundant links between the switches are protected by MSTP and the built-in loop guard on HP-3800 switches. MSTP provides load-sharing and loop guard provides resiliency
- C. The solution as shown provides the same load-sharing benefits as PVST+. To achieve the same resiliency benefits, the architect can add smart link to the meshed stack
- D. The link aggregation between tiers provide even better resiliency and load-sharing than PVST+ while MSTP protects against accidental loops

Correct Answer: D

## QUESTION 5

A customer has a virtualized data center that uses Microsoft Hyper-V Windows Server 2012. The customer has provided this information about the hosts for the VMs:

Each host has a network (Hyper-V virtual switch) that supports VM production traffic and own two server 10G NICs

Each host has a network (Hyper-V virtual switch) that supports management traffic to the parent partition and owns two server Gigabit NICs

In each rack, the network architect plans to deploy two HP 5920 Series switches, acting as an Intelligent Resilient Framework (IRF) switch.

Which additional information does the architect need in order to plan the connection to each host?

- A. Whether the virtual switches use Virtual Ethernet Port Aggregate (VEPA) VLAN tagging
- B. Whether the virtual switches use sFlow or NetStream to load balance traffic over the server NICs
- C. Whether the virtual switches support standard Spanning Tree Protocol (STP) or Cisco Per-VLAN Spanning Tree Protocol Plus (PVST+)
- D. Whether the virtual switches use generic or dynamic NIC teaming (Link Aggregation Control Protocol[LACP]) and their hashing method

Correct Answer: D

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