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Architecting HP FlexNetwork Solutions

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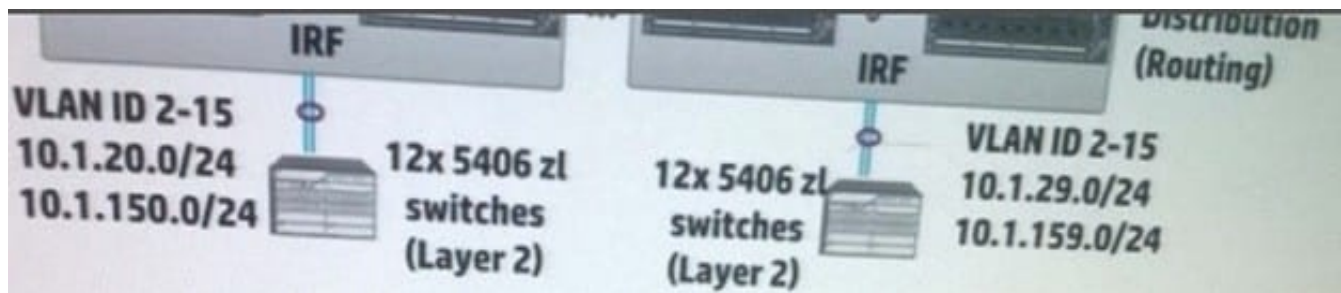
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QUESTION 1

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 trough two controllers can prevent a bottleneck due to heavy usage.

D. Each Wired-WLAN controller can only support 128APs.

Correct Answer: C

QUESTION 2

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 area network (VLAN) interface runs. Open Shortest Path First (OSPF) and has the IP address shown in the exhibit. The other interface settings are defaults.
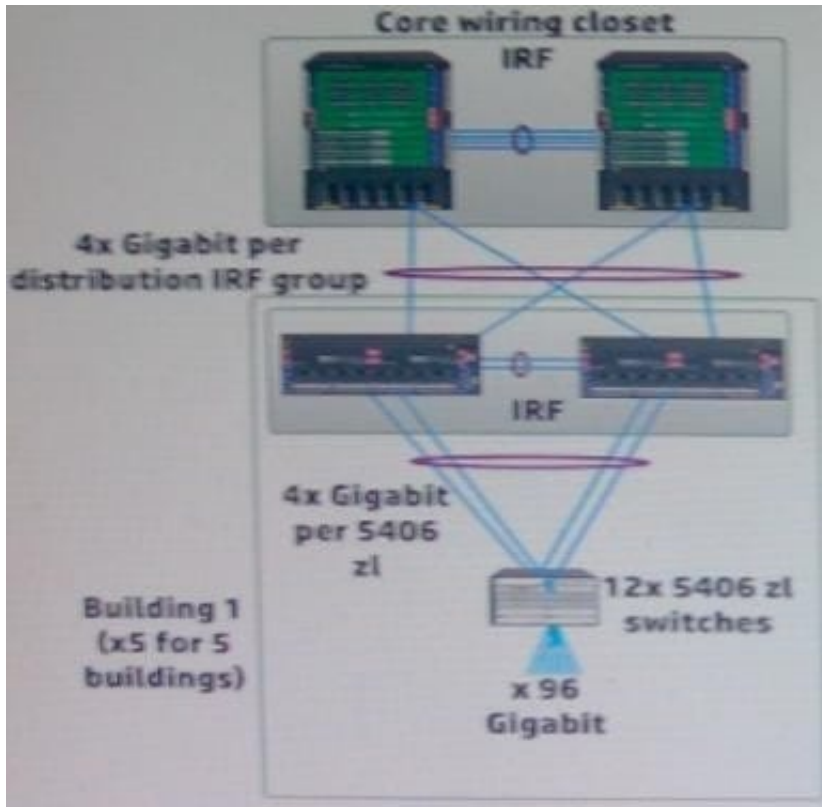

The access layer switches support several more VLANs not shown in the exhibit and also run Multiple Spanning Tree protocol (MSTP) loops. What is one recommendation for enhancing convergence time and resiliency for this solution?

A. Place all of the switch-to-switch links in the same VLAN.

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

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

D. Raise the OSPF times on the VLAN interfaces.

Correct Answer: D

QUESTION 3

Refer to the exhibit.

A network architect has designed the topology shown in the exhibit. The Gigabit links between distribution layer and the core uses OM3 grade multi-mode fiber between 100m and 150m long.

The solution is for an enterprise customer whose employees use mostly HTTP-based applications and have medium utilization needs.

What should the network architect do to resolve a potential issue?

A. Add more bandwidth between each pair of distribution layer switches

B. Add more links between each modular switch at the access layer and its distribution layer switch

C. Replace the modular switches at the access layer with switches that support stacked meshing

D. Remove the distribution layer since it is not needed in this environment

Correct Answer: C

QUESTION 4

An architect is planning an HP Wired-WLAN solution for an office with approximately 4000 users. The solution will have 256 MSM460 APs WLAN controllers. Users must be able to roam seamlessly around the site.

Which strategy meets these needs?

A. Assign users to different VLANs based on the APs to which they connect, and distribute traffic centrally at the controller.

B. Assign users to different VLANs based on the APs to which they connect, and distribute traffic locally at the AP.
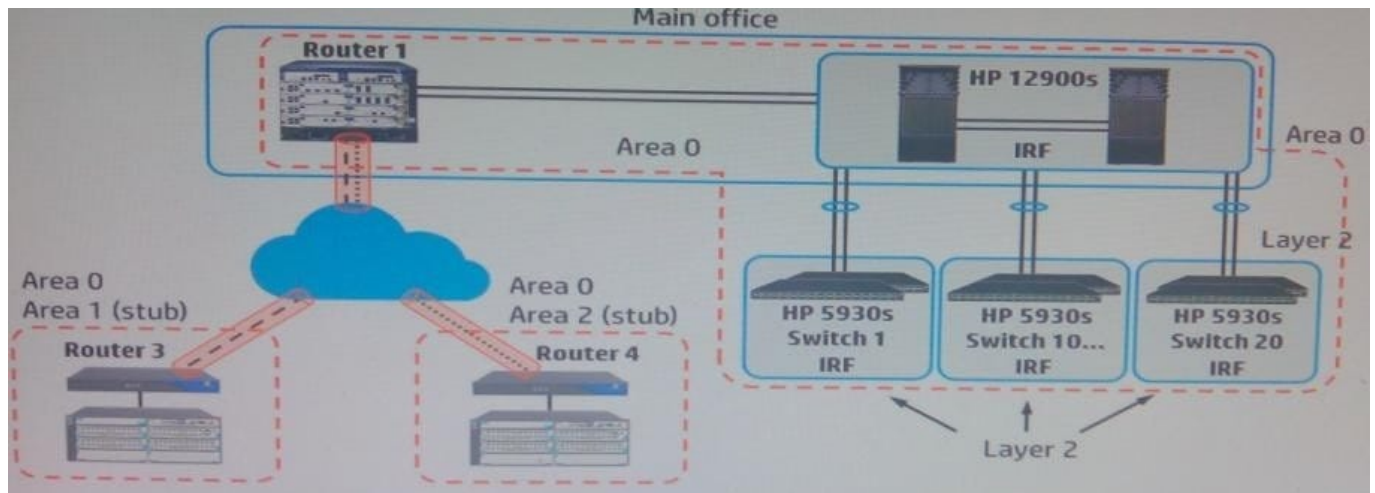
C. Assign all users to the same VLAN, and distribute traffic locally at the AP.

D. Assign all users to the same VLAN and distribute traffic centrally at the controller.

Correct Answer: D

QUESTION 5

Refer to the exhibit.

The exhibit is a plan for Open Shortest Path First (OSPF) areas. What should the network architect do to improve the OSPF network design?

A. Add a redundant link in area 0 between each branch router and the data center core Intelligent Resilient Framework (IRF)

B. Change area 1 and area 2 to not so stubby areas (NSSAs) or normal areas

C. Move the boundary between area 1 and area 0 to Router 1 make the same change to area 2

D. Implement routing on the 5930 switches. Make Switch 10 an area border router (ABR) between area 0 and a new area

Correct Answer: A

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