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Architecting HP FlexNetwork Solutions

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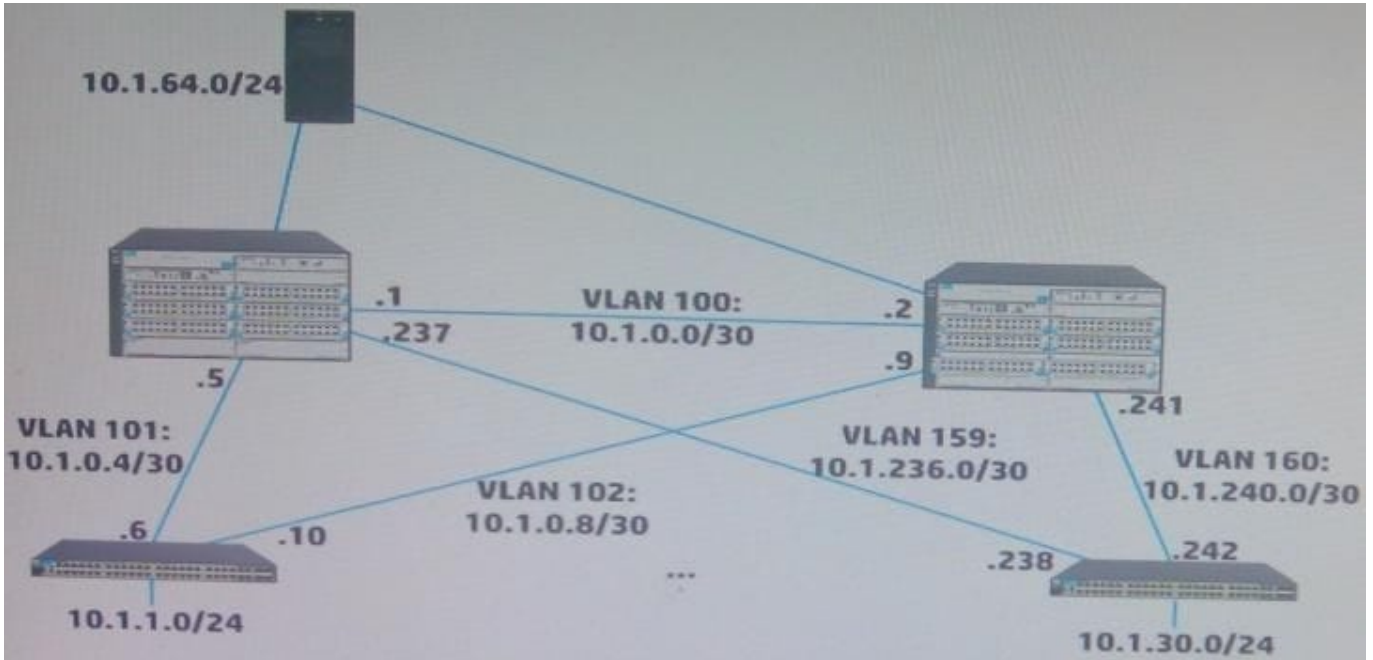
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QUESTION 1

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 2

The customer has a virtualized data center. The virtual hosts use virtual distributed switches with multiple redundant uplinks and these update control Protocol (LACP).

Which technology available in HP switches enhances high availability in this environment?



- A. Fiber Channel over Ethernet (FCoE) allows the virtual host to send storage traffic over the server Ethernet uplinks if the FC connection.
- B. Virtual Ethernet Port Aggregator (VEPA) combines redundant server talks into a single high-bandwidth trunk.
- C. Intelligent Resilient Framework (IRF) allows redundant server links to connect to different physical switches.
- D. Net Stream and sFlow technologies provide the built-in capability to optimize bandwidth flows dynamically.

Correct Answer: C

QUESTION 3

Which two requirements of a modern data center make Spanning Tree Protocol (STP) and other traditional loop elimination protocols for that environment?

- A. Requirement to implement routing clustering virtual machines
- B. Need to consolidate traffic on a single path thorough the network
- C. Greater reliance on direct attached storage
- D. Need for faster convergence times
- E. Need to support delay-sensitive applications

Correct Answer: BE

QUESTION 4

After analyzing a hospital's applications, the network architect identifies two life-critical applications. What is the availability requirement for a life-critical application?

- A. 99%
- B. 99.9%
- C. 99.99%
- D. 99.999%

Correct Answer: D

QUESTION 5

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

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