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Architecting HP FlexNetwork Solutions

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QUESTION 1

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

QUESTION 2

Which data center characteristics should specifically make the architect consider switches that support Shortest Path Bridging (SPB) or Transparent Interconnection of Lots of Links (TRILL)?

- A. The customer requires redundancy and resiliency for the two data center routing switches
- B. The customer requires high-speed routing between front-end servers and database servers in different subnets
- C. The virtualized data center supports several thousand virtual machines (VMs) with a two-tier networking infrastructure topology
- D. The data center requires many redundant links and must scale the tens of thousands of virtual (VMs)

Correct Answer: A

QUESTION 3

A data center has a traditional three-tier network design with routing at the distribution layer. The customer is virtualizing its servers and adding technologies such as live migration of virtual machines (VMs). How well does the architecture (topology) meet the needs of the customer's changing environment?

- A. This topology is not ideal in supporting the low-latency Layer 2 communications that this environment requires
- B. This topology is ideal because it enforces consolidation of virtualized server domains

- C. This topology is not ideal because it enforces consolidation of virtualized server domains
- D. This topology is not ideal for supporting the Secure Virtualization Framework (SVF) required to protect the virtual servers

Correct Answer: A

QUESTION 4

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

QUESTION 5

A customer has a virtualized data center with hosts that are managed by VMware vCenter. The network architect has proposed the HP Virtual Application Networks (VAN) Connection Manager (CM) and Resource Automation Manager (RAM) modules for HP Intelligent Management Center (IMC). The architect also proposed the HP 5900v switches and the proper server access layer products.

Which technology must the access layer switches that connect to the virtualized servers support?

- A. Transparent Interconnection of Lots of Links (TRILL)
- B. Intelligent Resilient Framework (IRF)
- C. Ethernet Virtual Bridging (EVB)/Virtual Ethernet Port Aggregator (VEPA)
- D. Fiber Channel over Ethernet (FCoE)

Correct Answer: B

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