



HPE0-S22^{Q&As}

Architecting Advanced HPE Server Solutions

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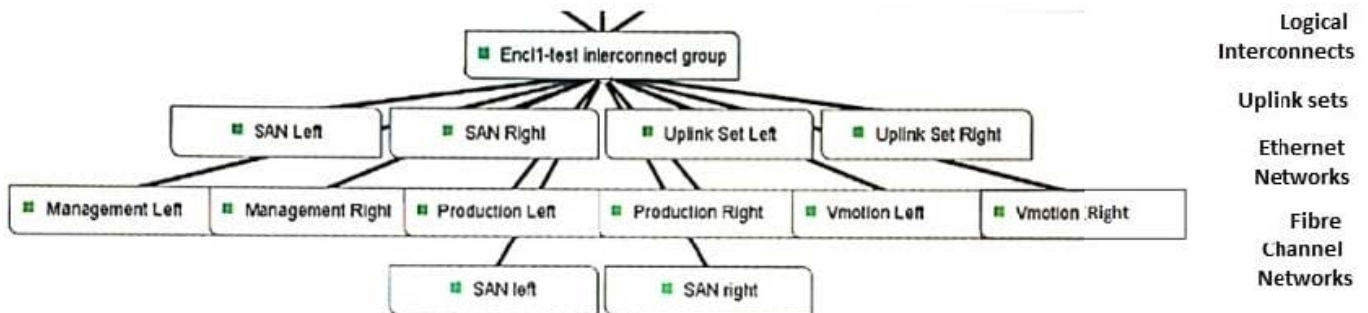
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QUESTION 1

View the Exhibit.



Refer to the exhibit. A customer has an HPE c7000 enclosure managed by HPE OneView with HP BL460c Gen9 servers in a vSphere cluster. The customer has multiple vLANs trunked from the top of rack (TOR) switches to the Virtual Connect modules in the enclosure. Due to network Access Control List (ACL) requirement and guidelines from the networking department, all network traffic should be forced to an upstream switch using the Virtual Connect "Private Network" feature.

The customer reports slow network response.

Which modification can the architect recommend to improve network performance?

- A. Change the FlexFabric 20/40 adapter modules with Flex 10/100 modules.
- B. Change the FlexFabric adapter modules with Flex-10 adapter modules.
- C. Remove the Management network from the uplinks.
- D. Put the vMotion network in a separate uplink set and disable "Private Network".

Correct Answer: A

QUESTION 2

What is one advantage of hard partitioning, or nPartitioning, for HPE Integrity Superdome X as compared to virtual partitioning?

- A. It permits the flexibility to assign different processor cores on the same processors to different partitions
- B. It allows a single blade to support more guest operating systems
- C. It provides greater reliability because partitions are electronically isolated
- D. It enables HPE Helion CloudSystem to deploy VMs to the Integrity Superdome X System

Correct Answer: C

**QUESTION 3**

What is a basic assumption for an architect using the HPE Servers TCO calculator to justify a customer's migration away from a fully depreciated set of hardware?

- A. By analyzing the project's internal rate of return (IRR), it is possible to determine if the lower IRR will make it more desirable to undertake the project.
- B. When the customer's older systems are under a support contract, a new system can sometimes pay for itself simply by not renewing the older support contracts.
- C. The Net Present Value (NPV) is the difference between the value of the older systems and the cost of the new systems.
- D. The opportunity costs of not migrating from a legacy environment to an HPE Converged Infrastructure Solution, in terms of IT Efficiency and User Productivity, will always justify the purchase.

Correct Answer: C

QUESTION 4

Which factors must the architect consider to help define an appropriate HPE server solution to meet a customer's needs?

- A. the legacy hardware and software solutions that the customer is currently running, whether the customer is standardized on x86 architectures, and which storage and networking protocols the customer is using
- B. the number of users for the application, the IT resources required by the application, which applications can be consolidated, and whether there are any Service Level Agreement (SLA) requirements
- C. whether the customer is considering solutions for the New Style of IT, for Security, for Big Data, or for Mobility
- D. the installed base of ProLiant, 3PAR, and ProCurve products, and whether any Cloudline opportunities exist at the customer site

Correct Answer: B

QUESTION 5

A customer is planning to migrate from a Virtual Connect Enterprise Manager (VCEM) environment to HPE OneView. Which topic should the architect discuss with the customer before the migration is implemented?

- A. that HPE OneView Advanced licenses should be added to the appliance prior to the migration
- B. that direct migration from the VCEM is not possible and the customer should plan to remove VC Domain from VCEM first
- C. that migration to the HPE OneView will replace existing WWNs and MAC addresses with new ones, assigned by HPE OneView
- D. that additional one-time-use licenses are required for migration

Correct Answer: B

**QUESTION 6**

Which discussion point describes a Tier I approach to datacenter redundancy levels?

- A. optimizing DIMM memory and RAID protected storage
- B. composing the solution of basic hypervisor clustering technology
- C. using a single path for power and cooling distribution without redundant components
- D. implementing primarily a storage redundancy technique

Correct Answer: B

QUESTION 7

A customer plans to purchase some c7000 blade enclosures equipped with Virtual Connect FlexFabric modules to support its development and test team. The customer is concerned about frequent changes to the server blade connectivity. In the initial proposal, an architect included HPE OneView, and now the customer wants to learn how HPE OneView will address their concern.

Which HPE OneView functionality should the architect explain to the customer?

- A. all external connectivity changes will be automatically discovered and server profiles will be automatically updated to reflect the change.
- B. the customer can use different plugins to visualize network and storage connectivity, and change them by using the drag and drop method.
- C. the customer can create profile templates, deploy server profiles from the template, and, if necessary, use the same method to update server connectivity.
- D. the customer can access HPE Virtual Connect Enterprise Manager and perform connectivity changes for all servers in the same Virtual Connect Domain Group.

Correct Answer: B

QUESTION 8

A customer needs a mission critical SQL database. The customer has an HPE StoreServ and plans to use this as storage. The solution must meet the following requirements:

- 240 logical cores (Hyper-Threading enabled)
- support for 6TB Memory
- 16GB FC
- 35TB RAID 1 storage
-



the ability for hardware partitioning to build different physical partitions and scale as the need for CPU and memory resources grows Which solution should the architect recommend?

A.

HPE Apollo 4200 with HPE ProLiant XL170r nodes

B.

HPE Superdome X with BL920s blades

C.

HPE ProLiant 980 Server

D.

HPE SL6500 with SL230s nodes

Correct Answer: B

QUESTION 9

How does the HPE c7000 BladeSystems use of network infrastructure compare with the HPE Apollo 6000's?

A. The HPE c7000 BladeSystem offers less port variety.

B. The HPE c7000 BladeSystem offers greater port consolidation.

C. The HPE Apollo 6000 offers greater per server connectivity.

D. The HPE Apollo 6000 uses fewer network ports per server.

Correct Answer: A

QUESTION 10

An architect is designing an HPE Apollo 6000 solution to support an HPC application that is highly parallel and involves a lot of communication between compute nodes. The architect is choosing the FlexibleLOM options for the compute trays. Which technology should the architect ensure that the trays support?

A. VXLAN offloading

B. Fibre Channel over Ethernet (FCoE)

C. RDMA over Converged Ethernet (RoCE)

D. iSCSI hardware initiator

Correct Answer: D

**QUESTION 11**

A customer has a mixed environment based on the G6, G7, Gen8, and Gen9 ProLiant server blades. The customer is interested in implementing HPE OneView but needs to understand security and monitoring mechanisms for different server generations.

Which statement most accurately describes different platform support in HPE OneView?

- A. WBEM Providers will be used for any server managed by HPE OneView.
- B. All servers managed by HPE OneView will use WBEM Providers, but collected data must be translated to the SNMP traps using embedded WMI Mapper.
- C. HPE OneView can manage G7, Gen8/Gen9 servers, while G6 servers can only be monitored.
- D. The customer can select from different management protocols between SNMP V2 and SNMP VS to match the security requirements.

Correct Answer: A

QUESTION 12

A customer has an HPE Integrity Superdome X system with an nPartition that has been provisioned with a supported OS and application.

What first detects data corruption caused by an installed DIMM module?

- A. the XNC2 controller in the internal fabric
- B. the application using the data
- C. the OS installed on the nPartition
- D. the Superdome X firmware

Correct Answer: D

QUESTION 13

A customer is working on a project to enable workplace productivity. The customer needs a solution that will allow employees to connect to their workplace environment by using a personal mobile phone, tablet, laptop, or desktop computer. Employees must be able to stop and resume work seamlessly while travelling between offices.

Which purpose-built hardware can the customer use to help achieve this goal?

- A. HPE Moonshot to provide hosted physical desktop and application virtualization to mobile users
- B. HPE Apollo 2000 to provide VDI access to mobile users
- C. HPE Moonshot to provide VDI access to mobile users
- D. HPE Apollo 2000 to provide hosted physical desktop and application virtualization to mobile users



Correct Answer: A

QUESTION 14

An architect is planning an HPE Integrity Superdome X solution. One nPartition will include two HPE BL920s Gen9 blades. After discussions and testing, the architect determines that the nPartition requires more memory than initially planned. Which approach should the architect recommend to the customer to ensure optimum performance?

- A. Provision each blade in the nPartition with the same amount of memory
- B. Add DIMMs in multiples of 12 even if this means adding more capacity than necessary
- C. Favor using lower capacity DIMMs to fill more memory slots on each channel
- D. Avoid using all memory channels on a processor

Correct Answer: A

QUESTION 15

An architect is developing a proof of concept (PoC) for an HPE Apollo 6000 solution. The architect needs to monitor CPU, memory, disk IO, and network IO utilization while running the customer application. Which HPE solution can the architect use for this monitoring?

- A. HPE Apollo Management Module
- B. HPE Insight Cluster Management Utility (CMU)
- C. HPE OneView 2.0
- D. HPE Advanced Power Management (APM)

Correct Answer: A

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