

HPE0-S22^{Q&As}

Architecting Advanced HPE Server Solutions

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QUESTION 1

A customer has a Hadoop big data and analytics solution. The customer needs a server upgrade to improve performance for this solution and plans to add more solutions that draw on the data, such as a Cassandra NoSQL database. The customer is interested in a flexible HPE Big Data Reference Architecture approach.

Which solution meets the customer's needs?

- A. HPE Moonshot 1500 Systems with m700 cartridges for co-located compute and storage nodes
- B. HPE Apollo 4530 Systems for co-located compute and storage nodes
- C. HPE Apollo 8000 Systems for the compute nodes and HPE Superdome X Systems for the storage nodes
- D. HPE Moonshot 1500 Systems with m710 cartridges for the compute nodes and HPE Apollo 4200 Systems for the storage nodes

Correct Answer: D

QUESTION 2

An architect is planning an HPE Moonshot solution with m710p cartridges. The customer's application requires cartridge nodes to connect to a NAS. The customer's current infrastructure supports 10GbE. In the future, the customer plans to upgrade the fabric between the HPE Moonshot and the NAS solution to support 40GbE.

Which switch modules and uplink modules should the architect recommend to meet both the current and future needs?

- A. HPE Moonshot 45XGc Switch Modules and HPE Moonshot 4-QSFP+ Uplink Modules
- B. HPE Moonshot 180G Switch Modules and HPE Moonshot 4-QPPF+ Uplink Modules
- C. HPE Moonshot 45XG Switch Modules and HPE Moonshot 16-SPF+ Uplink Modules
- D. HPE Moonshot 180G Switch Modules and HPE Moonshot 16-SFP+ Uplink Modules

Correct Answer: A

QUESTION 3

A customer operates a data center based on third-party servers, which includes third-party storage with an iSCSI SAN. The architect needs to design a solution that can seamlessly access the current data from a new HPE Moonshot system.

How can the HPE Moonshot system access the legacy storage?

- A. using native iSCSI target software to connect to the storage on a dedicated LAN
- B. using native iSCSI initiator to connect to the storage on a dedicated LAN
- C. using native iSCSI initiator to connect to the storage on the management LAN

D. using an HPE Multifunction router to convert iSCSI to Virtual Connect

Correct Answer: B

QUESTION 4

A customer has HPE BladeSystem BL460c Gen9 blades with two processors and 512GB of memory. The blades are running a MS-SQL database on a clustered 2TB SAS virtual volume that is exported from an HPE 3PAR StoreServ 8200. The customer reports that the MS-SQL database is performing poorly.

After extensive performance trending analysis, it is determined that the database front-end I/O requirements are unpredictable and often exceed 100,000 IOPs with latency in excess 30ms at critical times.

Which solution should the architect recommend to resolve the performance issue with consideration to cost and complexity?

- A. Increase the memory on the blades to 2TB.
- B. Install SSD drives local to the BL460c.
- C. Install an HPE IO Accelerator on the blade.
- D. Add Adaptive Optimization licensing.

Correct Answer: B

QUESTION 5

A customer has an Ethernet-based storage solution. The customer needs to upgrade its servers to prepare for expanding storage. The customer has spent a lot of money to update its Ethernet infrastructure, so does not want to change it.

The customer has DAS and NAS-based storage and plans to implement a Fibre Channel SAN-based storage array within the next six to eight months.

Which server-based solution meets the customer's future needs?

- A. HPE Apollo 8000 solutions
- B. HPE DL360 solution with fibre-based HBAs
- C. HPE BL460c solution with Converged Networks Adapters
- D. HPE Moonshot solutions

Correct Answer: C

QUESTION 6

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 7

An architect is proposing an HPE Moonshot System, including m710 cartridges, an iLO Chassis Manager, switch, and uplink modules. The customer needs IT staff to be able to access cartridges over a Remote console. What should the architect explain to the customer?

- A. IT staff can open a Remote Console to any cartridges linked to an mRCA through the iLO CM.
- B. Remote Console access is only supported when a cartridge is part of an HPE Helion CloudSystem 9.x solution.
- C. Remote console access is not supported for cartridges; IT staff should use local consoles instead.
- D. IT staff can open a Remote Console to any cartridge through the iLO CM.

Correct Answer: A

Reference: https://h20565.www2.hp.com/hpsc/doc/public/display?sp4ts.oid=5365577anddocLocale=en_USanddocId=emr_na-c04785597

QUESTION 8

An architect is planning an HPE Moonshot System deployment. The architect plans to individually connect each iLO CM module to the management network. The customer informs the architect that this plan requires too many 1GbE ports per rack for the data center infrastructure.

What is one way that the architect can alter the plan to meet the customer's needs, while still allowing iLO access to the HPE Moonshot Systems?

- A. Configure iLO traffic to share the same adapters as production traffic. Configure VLANs on the HPE Moonshot switch modules to separate the two types of traffic.
- B. Keep one iLO CM Management port connected to the network. Use the iLO CM link ports on each iLO CM module to daisy chain the chassis together.
- C. Enable the iLO REST API on each cartridge node. The nodes will then accept iLO commands on the adapters that they use for production traffic.

D. Add a second switch module and uplink module to each chassis to connect to the cartridge iLO ports. Stack the modules in different chassis and connect just one to the management network.

Correct Answer: D

QUESTION 9

A customer needs high performance computing (HPC) and a small-scale solution with up to eight processors. The solution should also provide storage in a modular form factor. The customer's HPC application is designed so that some nodes act as compute nodes while others act as storage nodes that serve data to the compute nodes.

Which HPE Apollo system is most appropriate for this situation?

- A. HPE Apollo r2200
- B. HPE Apollo r2800
- C. HPE Apollo 6000
- D. HPE Apollo 8000

Correct Answer: A

QUESTION 10

A customer is planning a multi-threaded HPC solution that would benefit from threads running in parallel.

The architect selects the HPE Apollo 6000 and needs to choose between the HPE XL230a and the XL250a compute tray.

What is one reason for choosing the XL250a tray?

- A. The HPE XL250a server supports DDR4 HPE Smart Memory.
- B. The HPE XL250a server supports dual accelerators.
- C. The HPE XL250a server provides full length PCIe expansion slots.
- D. The HPE XL250a server delivers dual processor performance.

Correct Answer: B

The HPE ProLiant XL250a Gen9 Server delivers 2P performance for your budget with dual accelerator support, while leveraging the HPE Apollo 6000 System and its modular flexibility and rack-scale efficiency. This server features the Intel® Xeon® E5-2600 v3/v4 series processors and 16 DIMM slots are ready with DDR4 2133 (1024 GB maximum)/2400 (2048 GB maximum) MHz memory and HPE SmartMemory.

Reference: <https://www.hpe.com/nz/en/product-catalog/servers/proliant-servers/pip.hpe-proliant-xl250a-gen9-server.7307070.html>

QUESTION 11

An architect is writing a response to a Request for Proposal (RFP). The customer has requested financial information on the monetary amount by which assets are valued in business records. Which value does the architect need to consider?

- A. total cost of acquisition (TCA)
- B. net investment value (NIV)
- C. net book value (NBV)
- D. fair market value (FMV)

Correct Answer: C

Reference: <https://www.seslisozluk.net/book-value-nedir-ne-demek/>

QUESTION 12

A customer plans to add a high performance computing system capable of hard partitioning to a data center that employs HPE StoreServ 7000. Which solution should the architect include in the design?

- A. an HPE Apollo 2000 system with iSCSI connectivity to the HPE 3PAR system
- B. an HPE Moonshot system with iSCSI connectivity to the HPE 3PAR system
- C. an HPE Apollo6000 with Fibre Channel connectivity to the HPE 3PAR storage
- D. an HPE SuperdomeX with Fibre Channel connectivity to the HPE 3PAR storage

Correct Answer: D

QUESTION 13

DRAG DROP

Select all that apply.

Click and drag the Network Interface on the left to match it with its HPE Server Family on the right.

Select and Place:

Network Interface

c-Class Interconnect Modules

Switch Module / Uplink Module

Network I/O Modules

HPE Server Family

HPE Integrity Superdome X

HPE Moonshot

HPE Apollo

Correct Answer:

Network Interface

Switch Module / Uplink Module

c-Class Interconnect Modules

Network I/O Modules

HPE Server Family

HPE Integrity Superdome X

HPE Moonshot

HPE Apollo

QUESTION 14

A customer plans to use Insight Control server provisioning and HPE OneView for vCenter Server. The vCenter Server manages one c7000 enclosure with 16 server blades running VMware ESXi. Which licensing option should the architect include in the proposal?

- A. one HPE OneView Standard license for each managed server and one HPE OneView for vCenter Server license for the c7000 enclosure
- B. one Insight Control server provisioning license for each managed server
- C. one Insight Control server provisioning license for each managed server blade and one HPE OneView for vCenter Server license for the entire c7000 enclosure
- D. one HPE OneView Advanced license for each managed server

Correct Answer: C

QUESTION 15

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

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