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Architecting Advanced HPE Server Solutions

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QUESTION 1

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 2

An architect is determining the amount of memory to propose for an HPE XL230a compute tray.

The customer specifies several requirements, properties, and parameter of the application.

Which factor will critically affect the memory amount requirement to prevent a potential memory bottleneck?

- A. The application stores data on local drives.
- B. The application requires CPUs with multiple cores to support multiple HPC jobs.
- C. The application is single-threaded high performance computing (HPC).
- D. Secure Encryption of locally stored data is required.

Correct Answer: B

QUESTION 3

An architect proposes an HPE Moonshot solution with three HPE Moonshot 1500 Chassis as follows: - one chassis with 30 m710 cartridges

-two chassis with 30 m800 cartridges each

The customer wants to change the solution to use two HPE Moonshot 1500 chassis as follows:

- one chassis with 30 m710 cartridges and 15 m800 cartridges - one chassis with 45 m800 cartridges



What should the architect explain to the customer?

- A. Mixing different models of cartridges in the same chassis is not supported
- B. A chassis can support both m710 and m800 cartridges, but the m710 cartridges will not be able to use their accelerators
- C. Mixing different models of cartridges requires the customer to use an HPE Moonshot Provisioning Manager (MPM)
- D. A chassis can support both m710 and m800 cartridges, but the m710 cartridge adapters will operate at 1Gbps rather than 10Gbps

Correct Answer: B

QUESTION 4

An architect is choosing between 1GbE and 10GbE connectivity for an object storage solution. What is a valid reason to select 10GbE?

- A. The customer's network infrastructure is based on QoS service.
- B. The customer needs the system to recover quickly from a failure.
- C. The customer needs the object storage servers to be able to locate random data on a disk more quickly.
- D. The customer plans to increase the memory in the nodes in the future.

Correct Answer: C

QUESTION 5

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