



E20-020^{Q&As}

Cloud Infrastructure Specialist Exam for Cloud Architects

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QUESTION 1

You are creating a cloud infrastructure design for an organization. The cloud design includes physical servers with hypervisors which will be used to host consumer services. The hosts are managed through a hypervisor element manager.

Which step should be taken to secure the hypervisor environment?

- A. Place the element manager administrative interfaces on a consumer-facing network and hypervisor administrative interfaces on an isolated network
- B. Place the element manager administrative interfaces on a consumer-facing network and hypervisor administrative interfaces on a secure network
- C. Place the element manager and hypervisor administrative interfaces on a secure network
- D. Place the element manager and hypervisor administrative interfaces on a consumer-facing network

Correct Answer: C

QUESTION 2

An organization plans to deploy a spine/leaf network topology to support a cloud design. Leaf switches will use layer-3 protocols to communicate with the spine switches. Hosts will each connect to two leaf switches using layer-2 protocols.

Which technology must be enabled between the host and leaf switches to provide the maximum throughput for a single data stream?

- A. Generic Network Virtualization Encapsulation
- B. Spanning Tree Protocol
- C. Equal-Cost Multi-Path Routing
- D. Multi-Chassis Aggregation

Correct Answer: A

QUESTION 3

A cloud architect is designing a distributed block storage solution that will support application HA. The solution will consist of 10 nodes with all SAS devices. There are five racks available in the data center. Each rack has a single top-of-rack access layer switch with sufficient bandwidth to the aggregate layer. Each node will have multiple connections to the local top-of-rack switch.

The architect wants to provide a design that has the fewest number of storage pools maximizing the number of fault domains. How should the storage pools be designed?

- A. One pool with SSD nodes located in one rack One pool with all SAS nodes located in a different rack
- B. One pool with 50% SSD and 50% SAS nodes distributed equally across five racks



C. One pool with SSD nodes distributed equally across five racks
One pool with all SAS nodes distributed equally across five racks

D. One pool with 50% SSD and 50% SAS nodes located in one rack
One pool with 50% SSD and 50% SAS nodes located in a different rack

Correct Answer: C

QUESTION 4

Which type of storage is optimal for high performance and low latency applications?

- A. File
- B. Object
- C. Block
- D. Cluster

Correct Answer: C

QUESTION 5

Which networking technology is required for application HA in contrast to host HA or operating system HA?

- A. Multipath routing
- B. Shared storage
- C. Load balancing
- D. VLANs

Correct Answer: B

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