# E20-020<sup>Q&As</sup>

## Cloud Infrastructure Specialist Exam for Cloud Architects

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## QUESTION 1

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 rackOne 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 racksOne pool with all SAS nodes distributed equally across five racks

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

Correct Answer: C

## QUESTION 2

An organization is considering the use of a cloud gateway to backup services to a public cloud. They will use their existing backup application. What is a design consideration?

A. Ensuring the cloud storage provider is using the same compression algorithm as the backup software

B. Ensuring data is encrypted and key management is defined

C. Ensuring the cloud storage provider is using the same PKI solution as the organization

D. Ensuring the backup application supports the same authentication mechanism as the public cloud provider

Correct Answer: B

## QUESTION 3

A company wants to build an IaaS cloud to host cloud-native applications. On which areas should a cloud architect focus when gathering requirements for this cloud design?

A. Automation, multi-tenancy, and hardware availability

B. Automation, hardware availability, and policy compliance

C. Hardware availability, policy compliance, and multi-tenancy

D. Policy compliance, automation, and multi-tenancy

Correct Answer: C

**QUESTION 4**

An organization plans to build a cloud using some of the existing data center infrastructure. Specifically, they want to use the existing FC storage infrastructure to support cloud hosts. However, they want to logically separate the cloud storage traffic from the existing data center storage traffic within this infrastructure. Which mechanism can be used to meet this requirement?

A. MPIO

B. VLAN

C. VSAN

D. Masking

Correct Answer: D

**QUESTION 5**

An organization wants to provide backup services in the cloud. They have no backup infrastructure in place. The organization has concerns about losing data if a site disaster occurs. They want to maintain control of backup data placement because of data privacy laws. Finally, they want to maintain at least one month\\'s worth of backups onsite.

Which backup solution will meet these requirements?

A. Local backup

B. Remote backups

C. Local backup with replication

D. Local backups with cloud gateway

Correct Answer: D

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