

E20-020^{Q&As}

Cloud Infrastructure Specialist Exam for Cloud Architects

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QUESTION 1

What needs to be considered when designing a distributed storage solution?

- A. Multiple management tools
- B. Fault domain detection and isolation to ensure data availability
- C. RAID configuration to ensure a drive failure is avoided
- D. Automated storage tiering to enable efficient use of drive

Correct Answer: B

QUESTION 2

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 3

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 4

An organization wants to deploy SaaS applications in their cloud. The SaaS applications will be using application HA to maintain up-time levels of 99.9%.

What should the cloud architect include in the design to support this up-time requirement?

- A. Sufficient host capacity
- B. Quorum disks
- C. Replication licenses for hypervisors
- D. HA licenses for hypervisors

Correct Answer: D

QUESTION 5

An organization wants to deploy cloud applications using block storage. The architect has included a hyperscale storage solution in the cloud design.

Which requirements led to including this solution in the design?

- A. Organization wants to purchase a storage array Organization will use a full mesh topology to combine storage and application processing
- B. Organization wants to purchase a storage array Organization will use a spine/leaf topology to combine storage and application processing
- C. Organization wants to purchase a storage array Organization wants to keep storage processing separate from the application processing
- D. Organization does not want to purchase a storage array Organization wants to use a full mesh topology to combine storage and application processing

Correct Answer: B

QUESTION 6

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 7

If the metering tool supports multi-tenancy and integrates with the cloud portal, what should be considered?

- A. Only permit local user access for security reasons
- B. Metering tool should not integrate with tenant authentication
- C. Metering server access should be allowed for all tenants
- D. Role-based access for security reasons

Correct Answer: D

QUESTION 8

Which cloud services are typically responsible for automatically scaling applications?

- A. Orchestration and monitoring
- B. Metering and service catalog
- C. Monitoring and metering
- D. Service catalog and orchestration

Correct Answer: A

QUESTION 9

An organization wants to have showback capability in their private cloud. Which cloud management platform component should be included in the cloud design to support this requirement?

- A. SSO
- B. Service catalog
- C. Metering application
- D. Monitoring application

Correct Answer: C

QUESTION 10

In which cloud services are policy compliance typically defined in a hybrid cloud deployment?

- A. Portal, catalog, and orchestration

- B. Virtual networking, portal, and catalog
- C. Orchestration, virtual networking, and portal
- D. Catalog, orchestration, and virtual networking

Correct Answer: D

QUESTION 11

An organization has internal applications that require block, file, and object storage. They anticipate the need for multi-PB storage within the next 18 months. In addition, they would prefer to use commodity hardware as well as open source technologies. Which solution should be recommended?

- A. Cinder
- B. Hadoop
- C. Swift
- D. Ceph

Correct Answer: C

QUESTION 12

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 13

A cloud architect has determined that the cloud management infrastructure requires an authentication and PKI environment. In addition, each tenant will require its own authentication and PKI environment. What describes these separate environments in a cloud design document?

- A. Availability zones
- B. Fault domains
- C. Multi-tenancy

D. Trust zones

Correct Answer: C

QUESTION 14

An organization is developing a cloud-native social-media website. The website will be written using elastic principles. When the website scales, it can add additional web, application and database instances to meet dynamic workload demand.

Which additional resources will be consumed by replication as the database layer expands.

- A. Public IP addresses, CPU, and memory
- B. CPU, memory, and network traffic
- C. Network traffic, public IP addresses, and CPU
- D. Memory, network traffic, and public IP addresses

Correct Answer: B

QUESTION 15

An organization wants to deploy applications that can programmatically alter network behavior. In addition, they want to deploy additional network services in real-time.

Which cloud-management component should be included in the design to support this requirement?

- A. Hypervisor Element Manager
- B. Software-Defined Network Controller
- C. Network Management Controller
- D. Virtual Switch Manager

Correct Answer: B

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