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Cloud Infrastructure Specialist Exam for Cloud Architects

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QUESTION 1

An organization wants to enable consumers to deploy IaaS and PaaS instances from a service catalog. These instances will all be deployed on a specific hypervisor. The organization has informed you that they want to use a preferred server vendor when building their new private cloud. What must be confirmed about the design?

- A. Server hardware is compatible with PaaS solution
- B. Server hardware is on the hypervisor vendor's compatibility list
- C. Server hardware is supported by the service catalog solution
- D. IaaS instances have the compatible drivers for the physical server hardware

Correct Answer: D

QUESTION 2

What is a challenge that is unique to hybrid cloud deployments for authentication and authorization systems?

- A. Maintaining administrative user credential security
- B. Additional requirements for single sign-on capabilities
- C. Additional costs of scaling authentication server management
- D. Maintaining authentication availability during an inter-cloud link outage

Correct Answer: B

QUESTION 3

What is a benefit of a service catalog?

- A. Handles every IT request simultaneously
- B. Allows users to customize tenant roles
- C. Services do not have to meet the standards set by the business
- D. Enables the application of quotas on resources to control cost

Correct Answer: D

QUESTION 4

During an assessment for an organization's cloud design, a cloud architect discovers that developers will be creating applications for tenants. The applications will self-scale based on an internal trigger. The architect has included cloud management platform (CMP) components in the design that will support this requirement. To meet this requirement,

what else should the cloud architect consider?

- A. Mechanisms exist for assigning IP addresses and updating DNS
- B. Mechanisms exist for changing host CPU over-commitment ratios
- C. A CMP account with elevated privileges exists that can be shared with developers
- D. Component APIs are located on an isolated network

Correct Answer: B

QUESTION 5

What is an advantage of using a brownfield infrastructure?

- A. Avoids upgrades to existing infrastructures
- B. Promotes staff familiarity with technology
- C. Enables migration to new technologies
- D. Avoids older and less efficient processes

Correct Answer: B

QUESTION 6

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 7

A cloud architect discovers that an organization wants to deploy 500 consumer applications initially and grow to over 2000 consumer applications in three years. These applications will use block storage only. How does the information impact the cloud management platform infrastructure sizing?

- A. Influences proxy server data storage requirements
- B. Influences CDN data storage requirements
- C. Influences federation server data storage requirements

D. Influences monitoring server storage requirements

Correct Answer: C

QUESTION 8

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

QUESTION 9

An organization uses Microsoft Active Directory (AD) for service authentication in their private cloud. They want to use the same authentication source for services in the public cloud. External employees access services in both clouds and need to authenticate with AD.

The organization wants to minimize and secure network traffic. Which solution will address these requirements?

- A. Connect the two clouds through IPsec VPN. Place AD controllers in the private cloud only
- B. Connect the two clouds through IPsec VPN. Place AD controllers in the private and public clouds
- C. Configure perimeter firewalls to allow AD traffic. Place AD controllers in the private and public clouds
- D. External users connect with IPsec VPN. Place AD controllers in the private cloud only

Correct Answer: B

QUESTION 10

When implementing QoS across a cloud network, how is storage traffic usually prioritized?

- A. Most important
- B. More important than tenant traffic but less important than management traffic
- C. More important than management traffic but less important than tenant traffic
- D. Least important

Correct Answer: C

QUESTION 11

An organization wants to deploy a block storage in the cloud using a storage array that is accessible through the iSCSI protocol. The hosts support iSCSI.

Why would network segmentation be included in the design to support this requirement?

- A. Secure all traffic between the storage array and the hosts
- B. Enable CHAP between the array and hosts
- C. iSCSI traffic is not supported on networks with other types of traffic
- D. Enable LUN masking capabilities of the array

Correct Answer: D

QUESTION 12

An organization wants to deploy a service catalog in a private cloud. What requirements are met by using a service catalog?

- A. Ability for administrators to manage multi-tenancy
- B. Ability for users to measure service performance
- C. Ability for users to aggregate service logs
- D. Ability for administrators to attach storage pools

Correct Answer: B

QUESTION 13

A cloud design contains multiple hosts that are running a hypervisor. Each host has only two physical 10 Gb network adapters. The hosts reside in different subnets but can communicate with each other. Each host will support numerous virtual machines and network segments.

What is needed to support a network segmentation in the current configuration?

- A. IDS
- B. NVGRE
- C. MLAG
- D. VLAN

Correct Answer: B

QUESTION 14

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 15

A cloud architect is designing a hybrid cloud for an organization. A requirement for this environment is that the private cloud user credential be trusted by both cloud provisioning APIs. Which type of authentication will meet this requirement?

- A. Federated authentication
- B. Asymmetric encryption
- C. Symmetric encryption
- D. Shared-key authentication

Correct Answer: A

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