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QUESTION 1

A cloud architect is evaluating an organization\\\'s need for encryption. Which type of encryption eliminates the requirement for key management?

A. Embedded

B. File-based

C. File system-based

D. Virtual disk

Correct Answer: D

QUESTION 2

An organization wants to build a pilot cloud for developers to learn and practice cloud- native application design.

The organization expects that the cloud will host many tiny instances that will use few resources. What accurately describes the optimal CPU and memory configuration?

A. High CPU core count and high memory capacity

B. High CPU core count and moderate memory capacity

C. Moderate CPU core count and moderate memory capacity

D. Moderate CPU core count and high memory capacity

Correct Answer: C

QUESTION 3

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 4

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 5

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 6

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 7

In a cloud design, an architect has defined a separate trust zone for host management. The hosts will be running open source hypervisors.

What should be included in the design deliverables to support this separate trust zone?

A. Isolated management network and a common super-user account

B. Separate PKI and encrypted CMI portal access

C. Separate authentication source and a preferred zone set

D. Isolated management network and a separate authentication source

Correct Answer: D

QUESTION 8

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 hypervisoradministrative interfaces on an isolated network

B. Place the element manager administrative interfaces on a consumer-facing network and hypervisoradministrative 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 9

An organization wants to provide its developers with the ability to deploy virtual machines. These virtual machines have software and libraries installed that are used to develop applications. Each virtual machine will be configured with the same IP address and will be able to download application code from a central server. Which will be included in the design to support these requirements?

A. VSANs and virtual firewall appliances

B. VLANs and virtual firewall appliances

C. VLANs and virtual IDS appliances

D. VXLANs and an OS firewall

Correct Answer: D

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 improtant

Correct Answer: C

QUESTION 11

An architect is designing the compute resource pools for a cloud. As part of the deliverables, the architect has included the standard specifications for the physical servers to be used. The organization has provided estimates for future growth but has concerns about whether these estimates are accurate. What should be included in the design to address these concerns?

A. A monitoring application and procedures for pool expansion

B. A chargeback application and orchestration workflows to auto-scale pools

C. A metering application and orchestration workflows to auto-scale pools

D. A configuration management application and procedures for pool expansion

Correct Answer: A

QUESTION 12

You are designing consumer compute resources in an onsite private cloud. During an assessment, you discover that the organization\\\'s IT staff wants secure access to the underlying host OS. What should be included in the design to support this requirement?

A. Host IDS configurationSecure key infrastructure Bridged management network

B. Perimeter firewall configuration VPN encryption Separate management network

C. Host OS firewall configuration Central logging Physically isolated management network

D. Host OS firewall configuration Secure key infrastructure Separate management network

Correct Answer: B

QUESTION 13

You are creating a cloud infrastructure design for an organization. You learn that, for compliance reasons, the organization needs to maintain a separate set of infrastructures for certain deployed services. Which part of the design will be impacted by this requirement?

A. Number of service catalogs

B. Number of compute pools

C. Service catalog sizing

D. Over-commitment ratio

Correct Answer: B

QUESTION 14

A cloud architect is designing a private cloud for an organization. The organization has no existing backup infrastructure. They want to offer consumers the ability to backup virtual machine instances using image-based backups.

What should the cloud architect look for when selecting a backup application for this environment?

A. Virtual machine hardware is on the backup application vendor\\'s compatibility list

B. Hypervisor servers\\' hardware is on the backup application vendor\\'s compatibility list

C. Backup application can be integrated with the selected CMP components

D. Backup application supports a cloud gateway for accessing the cloud-based virtual machines

Correct Answer: D

QUESTION 15

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 VPNPlace AD controllers in the private cloud only

B. Connect the two clouds through IPsec VPNPlace 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 VPNPlace AD controllers in the private cloud only

Correct Answer: B

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