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QUESTION 1

A cloud design contains multiple hosts that are running a hypervisor. Each host has only two physical 10 Gb network adapters that are aggregated for bandwidth and failover. The physical switch ports for each host are configured as access ports. Each host will support numerous virtual machines and network segments. These virtual machines will communicate with other virtual machines on the same network segments. Why would overlay networks be required for this design?

A. Support for more than two virtual switches

B. Support for more than one virtual segment

C. Support for more than two virtual machines

D. Support for more than one distributed virtual switch

Correct Answer: B

QUESTION 2

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

QUESTION 3

An organization is implementing a backup solution for their private cloud. They are concerned that having the backup data stored onsite will expose them to lose in the event of a site-wide disaster. They are considering replicating the backup storage to an external site.

What are the design considerations involved with this replication solution?

A. Ensuring proper hypervisor support and the availability of a federated single sign-on solution

B. Ensuring network traffic encryption is considered and ensuring proper hypervisor support

C. Ensuring sufficient network bandwidth is available and network traffic encryption is considered

D. Ensuring proper hypervisor support and sufficient network bandwidth is available

Correct Answer: B

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QUESTION 4

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 5

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

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