Vendor:EMC

Exam Code:DES-2T13

Exam Name: Specialist - Cloud Architect - Cloud Infrastructure Exam

Version: Demo

QUESTION 1

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. External users connect with IPsec VPN Place AD controllers in the private cloud only

B. Configure perimeter firewalls to allow AD traffic Place AD controllers in the private and public clouds

C. Connect the two clouds through IPsec VPN Place AD controllers in the private cloud only

D. Connect the two clouds through IPsec VPN Place AD controllers in the private and public clouds

Correct Answer: A

QUESTION 2

Which benefits might be realized by designing a separate infrastructure pool to host network functions?

A. Reduced public IP address consumption, reduced troubleshooting time, and reduced consumer infrastructure load

B. Reduced troubleshooting time, reduced consumer infrastructure load, and enhanced security

C. Reduced troubleshooting time, enhanced security, and reduced public IP address consumption

D. Reduced consumer infrastructure load, enhanced security, and reduced public IP address consumption

Correct Answer: D

QUESTION 3

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 trafficPlace 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

References:

https://blogs.technet.microsoft.com/keithmayer/2013/01/20/step-by-step-extending-on-premise- active-directory-to-the-cloud-with-windows-azure-31-days-of-servers-in-the-cloud-part-20-of-31/

QUESTION 4

What would you describe is a key characteristic of cloud platform as a Service (PaaS)?

A. Direct control over the underlying infrastructure

B. Cloud hosted integrated development environment

C. Home-grown programming environment

D. Cloud hosted, in house built tools

Correct Answer: B

QUESTION 5

Ian organization wants to protect the cloud management platform (CMP) from loss due to a site disaster. To support this requirement, the completed cloud design deliverables include the processes and procedures for restoring CMP

functionality.

What other item should be included in the deliverables to support this requirement?

A. Recovery validation and verification processes

B. Data abstraction keys

C. List of all consumer service IP addresses

D. Document containing the data encryption keys

Correct Answer: A

QUESTION 6

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

An overlay network is a computer network that is built on top of another network. Nodes in the overlay network can be thought of as being connected by virtual or logical links, each of which corresponds to a path, perhaps through many

physical links, in the underlying network. Virtual overlay networks use tunneling protocols to extend isolated network segments between servers for multi-tenant data center networks.

References:

http://searchsdn.techtarget.com/tip/Virtual-overlay-networks-Tunneling-protocols-enable-multi- tenancy

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QUESTION 7

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?

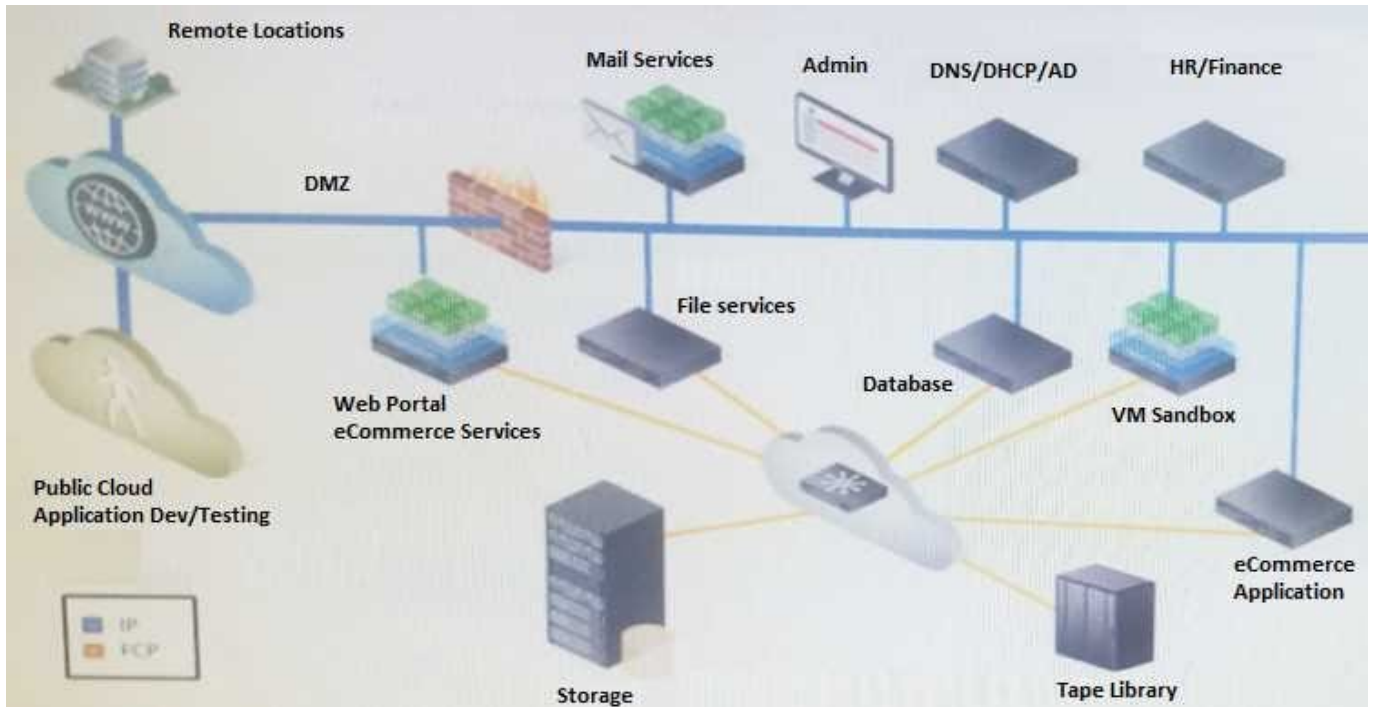A. Multi-factor

B. Federated

C. Private-key

D. Shared-key

Correct Answer: B

QUESTION 8

Case 1

Refer to the exhibit.

Your company recently negotiated several contracts with new customers to use its proprietary eCommerce system. As a result, the customer base has grown rapidly, which has introduced several challenges and requirements.

Business requirements:

Applications need to scale quickly

Metrics and reporting to anticipate business trends and efficient use of resources External customers are looking to license the eCommerce application Other considerations:

Applications need to be recorded for the public cloud Address security vulnerabilities for customer data in the cloud

Refer to Case 1.

You are tasked with designing a cloud. You review the existing infrastructure and business requirements. You select a CI solution to replace the existing Platform 2.0 infrastructure. Before presenting this solution to the company, you must

calculate the 3-year TCO using the following criteria:

Hardware maintenance = $ 35,000

Software maintenance = $ 20,000

Storage = $ 2,000 (2TB @ $ 1/GB)

What is the correct TCO value?

A. $ 57,000

B. $ 61,000

C. $ 171,000

D. $ 183,000

Correct Answer: C

QUESTION 9

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. Federated authentication source and preferred QoS network settings

B. Isolated management network and a federated super-user account

C. Separate PKI and encrypted CMP portal access

D. Separate PKI and a separate authentication source

Correct Answer: B

QUESTION 10

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

A. VXLANs and an OS firewall

B. VXLANs and virtual firewall appliances

C. VLANs and virtual IDS appliances

D. VSANs and virtual IDS appliances

Correct Answer: B

QUESTION 11

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 CMP components in the design that will support this requirement. What else should the cloud architect consider to meet this requirement?

A. CMP account with elevated privileges exists that can be shared with developers

B. Mechanisms exist for changing the type of consumer resources automatically

C. Mechanisms exist for re-installing CMP components for scaling

D. Sufficient consumer resources exist to support the application elasticity

Correct Answer: B

QUESTION 12

DRAG DROP

Match each tool with its associated description.

Select and Place:

TOOL:	DESCRIPTION:
top	Dell EMC tool that captures storage system data plus enabled software
SP Collect	Tool that captures processor, memory, and storage information for Windows systems
AWR	Linux tool that captures real-time system and performance data
Performance Monitor	Embedded tool that captures Oracle resource consumption

Correct Answer:

TOOL:	DESCRIPTION:
	SP Collect
	Performance Monitor
	top
	AWR