Specialist - Cloud Architect, Cloud Infrastructure

EMC DES-2T13

Version Demo

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QUESTION NO: 1

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 must design the compute scalability functions for your administrator in a Do-It-Yourself private cloud. You want to use manual processes to move services between hosts to avoid outages.

Which method provides this function?

A. Add more virtual machines to the existing pool

B. Define a compute pool as known unit of consumption

C. Add resources to the existing servers in the compute pool

D. Define storage limits in a consumption pool

ANSWER: D

A cloud design includes a software-defined network controller. Which requirement(s) will this address?

A. Elastically expand applications programmatically into the public cloud

B. Deploy applications that can programmatically modify zones and deploy LUNs in a SAN

C. Programmatically abstract network data for optimal performance in a low bandwidth infrastructure

D. Deploy applications that can programmatically after network behavior.

ANSWER: C

Case 1

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Refer to Case 1.

You are designing the application development platform for the cloud and are considering using a PaaS Solution. You must ensure that monitoring is included in the platform. Which key metrics need to be available from the PaaS Solution that you select?

A. Queue length and storage utilization

B. Storage utilization and account login

C. Account login and response time

D. Response time and queue length

ANSWER: D

QUESTION NO: 4

What is a deliverable of the cloud design process?

A. Training for IT staff

B. Operational procedures

C. Lower infrastructure costs

D. Reduced time to market

ANSWER: C

QUESTION NO: 5

A company has the following requirements:

- Infrastructure with a designated SAN

- Run applications on pre-integrated hardware components - Workloads are Platform 2.0 applications

Which solution would meet these requirements?

A. Traditional Infrastructure

B. Cloud-in-a-Box Infrastructure

C. Converged Infrastructure

D. Hyper-Converged Infrastructure

ANSWER: D

You are a cloud architect responsible for designing a multiple availability zone configuration for the organization's geographically dispersed clouds. You must provide the ability for services to survive a failure at the data center or site level. The primary requirement is to provide for automated site recovery. What is a key consideration for automating the setup, failover, and recovery of services at the remote site?

A. When implementing automated site recovery, you must have automated orchestration of site failback processes

B. The number of storage volumes in the DR site must be identical in number and size to the primary site.

C. The recovery site must have sufficient available capacity to host workloads after a disaster at the primary site.

D. The DR site must contain the same vendor hardware as the primary site.

ANSWER: C

What determines the maximum number of blade or rack servers that can be installed in a CI system?

A. Unified management storage array configuration

B. Open-sources management switch configuration

C. Unified management switch configuration

D. Open-sourced management storage array configuration
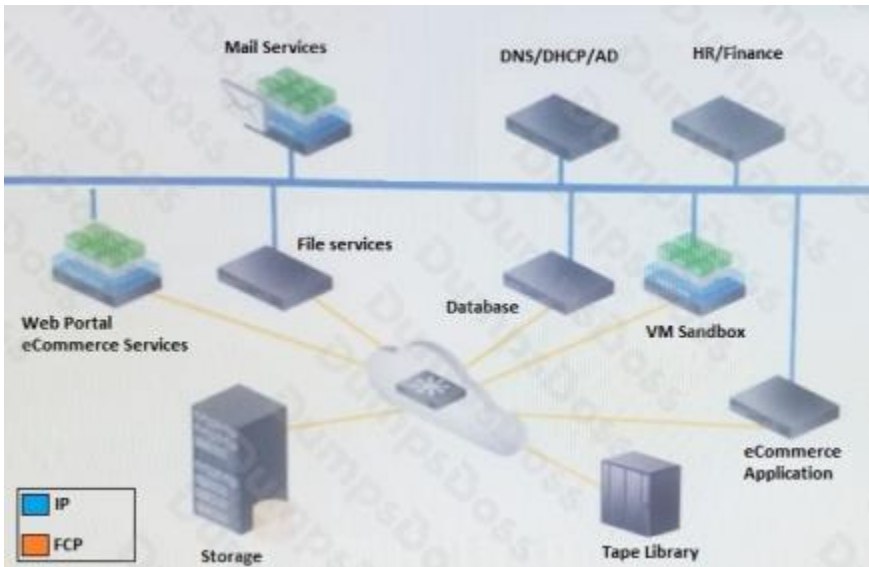
ANSWER: A

SPECIAL INSTRUCTIONS REMINDER

The remaining questions are associated with two cases.

Each case has an introductory, descriptive passage (case text) that describes background information and requirements for a specific cloud based design. And each case has a set of six related, randomized questions. You will need to read the case text in order to answer the related questions correctly.

Given that there are two cases with six scored questions each, the total number of case-based scored questions is 12.

When you display each questions you can easily review the related case text in a pop-up window by clicking on the "Case" icon (shown below) Case 4

Refer to the exhibit.

Your company is currently using a traditional SAN storage network. The server infrastructure is partially virtualized. There is a public cloud in place that is used to test development and application migration to cloud.

Business requirements:

- Consolidate the network, storage, and compute resources

- Simplify network management and storage provisioning

- Maintain application performance

- Need to share resources to reduce cost and improve efficiency

Other considerations:

- Monitoring of protection SLAs

- All transactions must be logged for auditing review

- Users are validated using internal credentials Refer to Case 4.

You are designing a brownfield cloud. You review the requirements and must determine the best, low-cost solution. Which components must you include to meet the business requirements?

A. AD, AppDev platform, and Service Catalog

B. CI infrastructure, CMP, and AppDev platform

C. HCI infrastructure, CMP, and AD

D. CMP, AppDev platform, and Service Catalog

ANSWER: A

QUESTION NO: 9 - (DRAG DROP)

As part of the planning process, a cloud architect may use tools to gather data from customer systems. Match each tool with its associated description.

Select and Place:

TOOL:	DESCRIPTION:
Statspack	Dell EMC add-on tool that captures storage performance data
Unisphere Analyzer	Tool that captures processor, memory, and storage information for Linux systems
esxtop	Oracle embedded tool that captures resource consumption information
sar	Tool that captures information about processes running on VMkernel

ANSWER:

TOOL:	DESCRIPTION:
Statspack	Unisphere Analyzer
Unisphere Analyzer	sar
esxtop	Statspack
sar	esxtop

QUESTION NO: 10

Which cloud services are typically responsible for automatically scaling applications?

A. Orchestration and monitoring

B. Service catalog and orchestration

C. Metering and automation

D. Monitoring and metering

ANSWER: C