AZ-301^{Q&As}

Microsoft Azure Architect Design

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QUESTION 1

You have an Azure subscription for used for testing and development purposes only. The subscription contains Azure virtual machines that unmanaged, standard hard disk drives (HDD).

You need to recommend a recovery strategy for the virtual machines if an Azure region fails for a sustained period. The recovery time objective (RTO) can be up to seven days. The solution must minimize costs.

What should you include in the recommendation?

A. Store the disks in a Standard_LRS storage account. Configure Azure site Recovery. If a failure occurs, initiate a manual failover.

B. Store the disks in a Standard_GRS storage account. Configure Azure Recovery. If a failure occurs, initiate a manual failover.

C. Store the disks in a Standard_LRS storage account. If a disaster occurs, manually create the virtual machines by used Azure Resources Manager templates.

D. Store the disks in a Standard_GRS storage account. If a disaster occurs, manually create the virtual machines by used Azure Resources Manager templates.

Correct Answer: B

Geo-redundant storage (GRS) is designed to provide at least 99.99999999999999% (16 9\\'s) durability of objects over a given year by replicating your data to a secondary region that is hundreds of miles away from the primary region. If your

storage account has GRS enabled, then your data is durable even in the case of a complete regional outage or a disaster in which the primary region isn\\'t recoverable. GRS replicates your data to another data center in a secondary region,

but that data is available to be read only if Microsoft initiates a failover from the primary to secondary region.

Incorrect Answers:

A, C: If a datacenter-level disaster (for example, fire or flooding) occurs, all replicas in a storage account using LRS may be lost or unrecoverable. To mitigate this risk, Microsoft recommends using zone-redundant storage (ZRS), georedundant storage (GRS), or geo-zone-redundant storage (GZRS).

Reference:

https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy-grs

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QUESTION 2

You plan to move a web application named App1 from an on-premises data center to Azure.

App1 depends on a custom COM component that is installed on the host server.

You need to recommend a solution to host App1 in Azure. The solution must meet the following requirements:

1.

App1 must be available to users if an Azure data center becomes unavailable.

2.

 Costs must be minimized.

What should you include in the recommendation?

A. In two Azure regions, deploy a Traffic Manager profile and a web app.

B. In two Azure regions, deploy a load balancer and a virtual machine scale set.

C. Deploy a load balancer and a virtual machine scale set across two availability zones.

D. In two Azure regions, deploy a load balancer and a web app.

Correct Answer: A

QUESTION 3

You have an Azure subscription that contains an Azure Cosmos DB account.

You need to recommend a solution to generate an alert from Azure Log Analytics when a request charge for a query exceeds 50 request units more than 20 times within a 15-minute window.

What should you recommend?

A. Create a search query to identify when requestCharge_s exceeds 50. Configure an alert threshold of 20 and a period of 15.

B. Create a search query to identify when duration_s exceeds 20 and requestCharge_s exceeds 50. Configure a period of 15.

C. Create a search query to identify when requestCharge_s exceeds 20. Configure a period of 15 and a frequency of 20.

D. Create a search query to identify when duration_s exceeds 20. Configure a period of 15.

Correct Answer: A

QUESTION 4

You have an Azure Active Directory (Azure AD) tenant named contoso.com that contains several administrative user accounts. You need to recommend a solution to identify which administrative user accounts have NOT signed in during the previous 30 days. Which service should you include in the recommendation?

A. Azure AD Identity Protection

B. Azure Activity Log

C. Azure Advisor

D. Azure AD Privileged Identity Management (PIM)

Correct Answer: D

QUESTION 5

You have an on-premises deployment of MongoDB.

You plan to migrate MongoDB to an Azure Cosmos DB account that uses the MongoDB API.

You need to recommend a solution for migrating MongoDB to Azure Cosmos DB.

What should you include in the recommendation?

A. mongorestore

B. Data Migration Assistant

C. Azure Storage Explorer

D. Azure Cosmos DB Data Migration Tool

Correct Answer: A

Reference: https://docs.microsoft.com/en-us/azure/cosmos-db/mongodb-migrate

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