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QUESTION 1

You have an Azure subscription.

You need to recommend a solution to provide developers with the ability to provision Azure virtual machines. The solution must meet the following requirements:

1.

 Only allow the creation of the virtual machines in specific regions.

2.

 Only allow the creation of specific sizes of virtual machines. What should include in the recommendation?

A. conditional access policies

B. Azure Policy

C. Azure Resource Manager templates

D. role-based access control (RBAC)

Correct Answer: B

https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage

QUESTION 2

You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified. Which storage solution should you recommend for archiving?

A. Use an Azure Blob storage account and a time-based retention policy

B. Ingest the log files into an Azure Log Analytics workspace

C. Use an Azure Blob Storage account configured to use the Archive access tier

D. Use an Azure file share that has access control enabled

Correct Answer: A

Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.

Immutable storage supports:

Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired,

blobs can be deleted but not overwritten.

References:

https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage

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QUESTION 3

You have an Azure subscription that contains several resource groups, including a resource group named RG1. RG1 contains several business-critical resources.

A user named admin1 is assigned the Owner role to the subscription.

You need to prevent admin1 from modifying the resources in RG1. The solution must ensure that admin1 can manage the resources in the other resource groups.

What should you use?

A. a management group

B. an Azure policy

C. a custom role

D. an Azure blueprint

Correct Answer: C

Role-based access control (RBAC) focuses on user actions at different scopes. You might be added to the contributor role for a resource group, allowing you to make changes to that resource group. Incorrect Answers:

A: If your organization has many subscriptions, you may need a way to efficiently manage access, policies, and compliance for those subscriptions. Azure management groups provide a level of scope above subscriptions.

B: There are a few key differences between Azure Policy and role-based access control (RBAC). Azure Policy focuses on resource properties during deployment and for already existing resources. Azure Policy controls properties such as the types or locations of resources. Unlike RBAC, Azure Policy is a default allow and explicit deny system.

D: Azure Blueprints enables cloud architects and central information technology groups to define a repeatable set of Azure resources that implements and adheres to an organization\\\'s standards, patterns, and requirements.

Reference: https://docs.microsoft.com/en-us/azure/role-based-access-control/overview

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QUESTION 4

You have an Azure subscription. The subscription contains an app that is hosted in the East US, Central Europe, and East Asia regions. You need to recommend a data-tier solution for the app. The solution must meet the following requirements:

1.

 Support multiple consistency levels.

2.

Be able to store at least 1 TB of data.

3.

Be able to perform read and write operations in the Azure region that is local to the app instance. What should you include in the recommendation?

A. an Azure SQL database in an elastic pool

B. a Microsoft SQL Server Always On availability group on Azure virtual machines

C. an Azure Cosmos DB database

D. Azure Table storage that uses geo-redundant storage (GRS) replication

Correct Answer: C

Azure Cosmos DB approaches data consistency as a spectrum of choices. This approach includes more options than the two extremes of strong and eventual consistency. You can choose from five well-defined levels on the consistency

spectrum.

With Cosmos DB any write into any region must be replicated and committed to all configured regions within the account.

Incorrect Answers:

D: Not able to do local writes.

Reference: https://docs.microsoft.com/en-us/azure/cosmos-db/consistency-levels-tradeoffs

QUESTION 5

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an on-premises Hyper-V clusters that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux.

You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing an Azure Storage account that has a file service and a blob service, and then using the Data Migration Assistant.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Data Migration Assistant is used to migrate SQL databases. Instead use Azure Site Recovery.

References: https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview

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