



## Microsoft AZ-305 Mock Exam

Shared by Alvarez on 17-06-2026

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# Question 1

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Question Type: MultipleChoice

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You are designing an Azure governance solution.

All Azure resources must be easily identifiable based on the following operational information environment, owner, department and cost center

You need to ensure that you can use the operational information when you generate reports for the Azure resources.

What should you include in the solution?

## Options:

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- A- Azure Active Directory (Azure AD) administrative units
- B- an Azure data catalog that uses the Azure REST API as a data source
- C- an Azure policy that enforces tagging rules
- D- an Azure management group that uses parent groups to create a hierarchy

## Answer:

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C

## Explanation:

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You use Azure Policy to enforce tagging rules and conventions. By creating a policy, you avoid the scenario of resources being deployed to your subscription that don't have the expected tags for your organization. Instead of manually applying tags or searching for resources that aren't compliant, you create a policy that automatically applies the needed tags during deployment.

Note: Organizing cloud-based resources is a crucial task for IT, unless you only have simple deployments. Use naming and tagging standards to organize your resources for these reasons:

Resource management: Your IT teams will need to quickly locate resources associated with specific workloads, environments, ownership groups, or other important information. Organizing resources is critical to assigning organizational roles and access permissions for resource management.

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/decision-guides/resource-tagging>

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-policies>

## Question 2

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Question Type: MultipleChoice

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You have an on-premises Microsoft SQL Server 2008 instance that hosts a 50-GB database.

You need to migrate the database to an Azure SQL managed instance. The solution must minimize downtime.

What should you use?

Options:

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- A- Azure Migrate
- B- WANdisco LiveData Platform for Azure
- C- Azure Data Studio
- D- SQL Server Management Studio (SSMS)

Answer:

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C

## Question 3

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Question Type: MultipleChoice

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You have an Azure virtual machine named VM1 that runs Windows Server 2019 and contains 500 GB of data files.

You are designing a solution that will use Azure Data Factory to transform the data files, and then load the files to Azure Data Lake Storage

What should you deploy on VM1 to support the design?

Options:

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- A- the self-hosted integration runtime
- B- the Azure Pipelines agent
- C- the On-premises data gateway
- D- the Azure File Sync agent

Answer:

A

## Question 4

Question Type: MultipleChoice

You are designing an Azure Cosmos DB solution that will host multiple writable replicas in multiple Azure regions.

You need to recommend the strongest database consistency level for the design. The solution must meet the following requirements:

Provide a latency-based Service Level Agreement (SLA) for writes.

Support multiple regions.

Which consistency level should you recommend?

Options:

A- bounded staleness

B- strong

C- session

D- consistent prefix

Answer:

A

Explanation:

Each level provides availability and performance tradeoffs. The following image shows the different consistency levels as a spectrum.



Note: The service offers comprehensive 99.99% SLAs which covers the guarantees for

throughput, consistency, availability and latency for the Azure Cosmos DB Database Accounts scoped to a single Azure region configured with any of the five Consistency Levels or Database Accounts spanning multiple Azure regions, configured with any of the four relaxed Consistency Levels.

[https://azure.microsoft.com/en-us/support/legal/sla/cosmos-db/v1\\_3/](https://azure.microsoft.com/en-us/support/legal/sla/cosmos-db/v1_3/)

<https://docs.microsoft.com/en-us/azure/cosmos-db/consistency-levels#consistency-levels-and-latency>

## Question 5

Question Type: MultipleChoice

You plan to deploy an app that will use an Azure Storage account.

You need to deploy the storage account. The solution must meet the following requirements:

- \* Store the data of multiple users.
- \* Encrypt each user's data by using a separate key.
- \* Encrypt all the data in the storage account by using Microsoft keys or customer-managed keys.

What should you deploy?

### Options:

- A- files in a general purpose v2 storage account.
- B- blobs in an Azure Data Lake Storage Gen2 account.
- C- files in a premium file share storage account.
- D- blobs in a general purpose v2 storage account

### Answer:

D

## Question 6

Question Type: MultipleChoice

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.

Your company plans to deploy various Azure App Service instances that will use Azure SQL databases. The App Service instances will be deployed at the same time as the Azure SQL databases.

The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions. The resources for the App Service instances must reside in the same region.

You need to recommend a solution to meet the regulatory requirement.

Solution: You recommend using an Azure Policy initiative to enforce the location of resource groups.

Does this meet the goal?

### Options:

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A- Yes

B- No

### Answer:

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A

### Explanation:

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This solution does not meet the goal because an Azure Policy initiative can only enforce the location of resources, not resource groups. Resource groups are not a resource type that can be targeted by Azure Policy<sup>1</sup>. To enforce the location of resource groups, you need to use Azure Resource Manager templates<sup>2</sup> or Azure PowerShell<sup>3</sup> to create them in the desired regions.

1: Understand scope in Azure Policy  
2: Create resource groups with Azure Resource Manager templates  
3: Create resource groups with Azure PowerShell

## Question 7

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Question Type: MultipleChoice

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You have 100 Microsoft SQL Server integration Services (SSIS) packages that are configured to

use 10 on-premises SQL Server databases as their destinations.

You plan to migrate the 10 on-premises databases to Azure SQL Database

You need to recommend a solution to host the SSIS packages in Azure. The solution must ensure that the packages can target the SQL Database instances as their destinations.

What should you include in the recommendation?

### Options:

- A- SQL Server Migration Assistant (SSMA)
- B- Azure Data Catalog
- C- Data Migration Assistant
- D- Azure Data Factory

### Answer:

D

### Explanation:

<https://docs.microsoft.com/bs-cyrl-ba/azure/sql-database/sql-database-managed-instance-migrate>

Quote from that page 'Azure SQL Database and SQL Server databases in an Azure Virtual Machine. DMS is the recommended method of migration for your enterprise workloads.

If you use SQL Server Integration Services (SSIS) on your SQL Server on premises, DMS does not yet support migrating SSIS catalog (SSISDB) that stores SSIS packages, but you can provision Azure-SSIS Integration Runtime (IR) in Azure Data Factory (ADF) that will create a new SSISDB in a managed instance and then you can redeploy your packages to it, see Create Azure-SSIS IR in ADF.

To learn more about this scenario and configuration steps for DMS, see Migrate your on-premises database to managed instance using DMS.'

<https://docs.microsoft.com/en-us/azure/data-factory/how-to-migrate-ssis-job-ssms>

## Question 8

Question Type: MultipleChoice

You plan to deploy 10 applications to Azure. The applications will be deployed to two Azure Kubernetes Service (AKS) clusters. Each cluster will be deployed to a separate Azure region.

The application deployment must meet the following requirements:

- \* Ensure that the applications remain available if a single AKS cluster fails.
- \* Ensure that the connection traffic over the internet is encrypted by using SSL without having to configure SSL on each container.

Which service should you include in the recommendation?

Options:

- A- AKS ingress controller
- B- Azure Traffic Manager
- C- Azure Front Door
- D- Azure Load Balancer

Answer:

C

Explanation:

'Azure Front Door, which focuses on global load-balancing and site acceleration, and Azure CDN Standard, which offers static content caching and acceleration. The new Azure Front Door brings together security with CDN technology for a cloud-based CDN with threat protection and additional capabilities. '

## Question 9

Question Type: MultipleChoice

You plan to deploy an Azure App Service web app that will have multiple instances across multiple Azure regions.

You need to recommend a load balancing service for the planned deployment. The solution must meet the following requirements:

Maintain access to the app in the event of a regional outage.

Support Azure Web Application Firewall (WAF).

Support cookie-based affinity.

Support URL routing.

What should you include in the recommendation?

### Options:

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- A- Azure Front Door
- B- Azure Load Balancer
- C- Azure Traffic Manager
- D- Azure Application Gateway



### Answer:

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A

### Explanation:

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Azure Traffic Manager performs the global load balancing of web traffic across Azure regions, which have a regional load balancer based on Azure Application Gateway. This combination gets you the benefits of Traffic Manager many routing rules and Application Gateway's capabilities such as WAF, TLS termination, path-based routing, cookie-based session affinity among others.

<https://docs.microsoft.com/en-us/azure/application-gateway/features>



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