

# AZ-204<sup>Q&As</sup>

Developing Solutions for Microsoft Azure

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**QUESTION 1**

**HOTSPOT**

You are developing a ticket reservation system for an airline.

The storage solution for the application must meet the following requirements:

1.  
Ensure at least 99.99% availability and provide low latency.
2.  
Accept reservations event when localized network outages or other unforeseen failures occur.
3.  
Process reservations in the exact sequence as reservations are submitted to minimize overbooking or selling the same seat to multiple travelers.
4.  
Allow simultaneous and out-of-order reservations with a maximum five-second tolerance window.

You provision a resource group named `airlineResourceGroup` in the Azure South-Central US region.

You need to provision a SQL SPI Cosmos DB account to support the app.

How should you complete the Azure CLI commands? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

```
resourceGroupName- +airlineResourceGroup'  
name- +docdb-airline-reservations'  
databaseName- 'docdb-tickets-database'  
collectionName- 'docdb-tickets-collection'  
consistencyLevel-
```

	▼
Strong	
Eventual	
ConsistentPrefix	
BoundedStaleness	

```
az cosmosdb create \  
--name $name \  

```

	▼
--enable-virtual-network true\ 	
--enable-automatic-failover true\ 	
--kind 'GlobalDocumentDB' \ 	
--kind 'MongoDB'\ 	

```
--resource group $resourceGroupName \  
--max interval 5 \  

```

	▼
--locations 'southcentralus' 	
--locations 'eastus' 	
--locations'southcentralus=0 eastus=1 westus=2' 	
--locations 'southcentralus=0' 	

```
--default-consistency-level - $consistencylevel
```

Correct Answer:

## Answer Area

```
resourceGroupName- +airlineResourceGroup'  
name- +docdb-airline-reservations'  
databaseName- 'docdb-tickets-database'  
collectionName- 'docdb-tickets-collection'  
consistencyLevel-
```

	▼
Strong	
Eventual	
ConsistentPrefix	
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```
az cosmosdb create \  
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--enable-virtual-network true\ 	
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--kind 'GlobalDocumentDB' \ 	
--kind 'MongoDB'\ 	

```
--resource group $resourceGroupName \  
--max interval 5 \  

```

	▼
--locations 'southcentralus' 	
--locations 'eastus' 	
--locations'southcentralus=0 eastus=1 westus=2' 	
--locations 'southcentralus=0' 	

```
--default-consistency-level - $consistencylevel
```

Box 1: BoundedStaleness

Bounded staleness: The reads are guaranteed to honor the consistent-prefix guarantee. The reads might lag behind writes by at most "K" versions (that is, "updates") of an item or by "T" time interval. In other words, when you choose

bounded staleness, the "staleness" can be configured in two ways:

The number of versions (K) of the item

The time interval (T) by which the reads might lag behind the writes

Incorrect Answers:

Strong

Strong consistency offers a linearizability guarantee. Linearizability refers to serving requests concurrently. The reads are guaranteed to return the most recent committed version of an item. A client never sees an uncommitted or partial write.

Users are always guaranteed to read the latest committed write.

Box 2: --enable-automatic-failover true\

For multi-region Cosmos accounts that are configured with a single-write region, enable automatic-failover by using Azure CLI or Azure portal. After you enable automatic failover, whenever there is a regional disaster, Cosmos DB will automatically failover your account.

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## QUESTION 2

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 develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2.

When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute.

You need to design the process that starts the photo processing.

Solution: Convert the Azure Storage account to a BlobStorage storage account.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Not necessary to convert the account, instead move photo processing to an Azure Function triggered from the blob upload..

Azure Storage events allow applications to react to events. Common Blob storage event scenarios include image or video processing, search indexing, or any file-oriented workflow.

Note: Only storage accounts of kind StorageV2 (general purpose v2) and BlobStorage support event integration. Storage (general purpose v1) does not support integration with Event Grid.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview>

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### QUESTION 3

You develop and deploy a web application to Azure App Service. The application accesses data stored in an Azure Storage account. The account contains several containers with several blobs with large amounts of data. You deploy all Azure resources to a single region.

You need to move the Azure Storage account to the new region. You must copy all data to the new region.

What should you do first?

- A. Export the Azure Storage account Azure Resource Manager template
- B. Initiate a storage account failover
- C. Configure object replication for all blobs
- D. Use the AzCopycommand line tool
- E. Create a new Azure Storage account in the current region
- F. Create a new subscription in the current region

Correct Answer: A

To move a storage account, create a copy of your storage account in another region. Then, move your data to that account by using AzCopy, or another tool of your choice and finally, delete the resources in the source region.

To get started, export, and then modify a Resource Manager template.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-move?tabs=azure-portal>

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### QUESTION 4

You are developing an internal website for employees to view sensitive data. The website uses Azure Active Directory (AAD) for authentication.

You need to implement multifactor authentication for the website.

What should you do? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Upgrade to Azure AD Premium.

- B. In Azure AD conditional access, enable the baseline policy.
- C. In Azure AD, create a new conditional access policy.
- D. In Azure AD, enable application proxy.
- E. Configure the website to use Azure AD B2C.

Correct Answer: AC

A: Multi-Factor Authentication comes as part of the following offerings:

Azure Active Directory Premium licenses - Full featured use of Azure Multi-Factor Authentication Service (Cloud) or Azure Multi-Factor Authentication Server (On-premises).

Multi-Factor Authentication for Office 365

Azure Active Directory Global Administrators

C: MFA Enabled by conditional access policy. It is the most flexible means to enable two-step verification for your users. Enabling using conditional access policy only works for Azure MFA in the cloud and is a premium feature of Azure AD.

References:

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-getstarted>

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## QUESTION 5

You provide an Azure API Management managed web service to clients. The back-end web service implements HTTP Strict Transport Security (HSTS).

Every request to the backend service must include a valid HTTP authorization header.

You need to configure the Azure API Management instance with an authentication policy.

Which two policies can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Basic Authentication
- B. Digest Authentication
- C. Certificate Authentication
- D. OAuth Client Credential Grant

Correct Answer: CD