



# AI-100<sup>Q&As</sup>

Designing and Implementing an Azure AI Solution

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### QUESTION 1

You are developing an AI application that will use keys stored in an Azure Key Vault.

You want to configure the Azure Key Vault to ensure that a key that is deleted is retained in the key vault for 90 days.

What should you do?

Recently, a key used by the application was deleted accidentally and was unrecoverable.

You need to ensure that if a key is deleted, it is retained in the key vault for 90 days.

What should you do?

- A. In the Azure Management Console, set the expiration date on the keys.
- B. In the Azure Portal, configure Soft delete and Purge protection.
- C. In the Azure Portal, configure back up of the Azure Key Vault.
- D. In the Azure Portal, configure Azure Monitor for Key Vault.

Correct Answer: B

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### QUESTION 2

You are developing a Microsoft Bot Framework app that consumes structured NoSQL data.

The app has the following data storage requirements:

Data must be stored in Azure.

Data persistence must be ensured.

You want to keep costs at a minimum.

Which of the following actions should you take?

- A. Make use of Azure Blob storage
- B. Make use of Azure Cosmos DB
- C. Make use of Azure Databricks
- D. Make use of Azure Table storage

Correct Answer: B

Azure Cosmos DB is a globally distributed, multi-model database service that supports NoSQL data storage. It provides high availability, scalability, and automatic data replication across multiple regions. Azure Cosmos DB ensures data persistence and offers various consistency models to choose from based on your application's requirements.

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### QUESTION 3

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

You have an app named App1 that uses the Face API.

App1 contains several PersonGroup objects.

You discover that a PersonGroup object for an individual named Ben Smith cannot accept additional entries. The PersonGroup object for Ben Smith contains 10,000 entries.

You need to ensure that additional entries can be added to the PersonGroup object for Ben Smith. The solution must ensure that Ben Smith can be identified by all the entries.

Solution: You delete 1,000 entries from the PersonGroup object for Ben Smith.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

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### QUESTION 4

You design an AI solution that uses an Azure Stream Analytics job to process data from an Azure IoT hub. The IoT hub receives time series data from thousands of IoT devices at a factory.

The job outputs millions of messages per second. Different applications consume the messages as they are available. The messages must be purged.

You need to choose an output type for the job.

What is the best output type to achieve the goal? More than one answer choice may achieve the goal.

A. Azure Event Hubs

B. Azure SQL Database

C. Azure Blob storage

D. Azure Cosmos DB

Correct Answer: D

Stream Analytics can target Azure Cosmos DB for JSON output, enabling data archiving and low-latency queries on unstructured JSON data.



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References: <https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-documentdb-output>

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### QUESTION 5

You plan to develop a bot that tracks communications between the employees at your company.

You need to identify which channel the bot must use to monitor reactions to messages by employees.

What should you identify?

- A. Microsoft Cortana
- B. Microsoft Outlook
- C. Microsoft Teams

Correct Answer: C

Bots in Microsoft Teams can be part of a one-to-one conversation, a group chat, or a channel in a Team.

Note: In Microsoft Teams, teams are groups of people brought together for work, projects, or common interests. Teams are made up of channels. Each channel is built around a topic, like "Team Events," a department name, or just for fun. Channels are where you hold meetings, have conversations, and work on files together.

References: <https://docs.microsoft.com/en-us/microsoftteams/platform/bots/what-are-bots>

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