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

AI-100 Q&As

Designing and Implementing an Azure AI Solution

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**QUESTION 1**

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 2**

You have deployed several Azure IoT Edge devices for an AI solution. The Azure IoT Edge devices generate measurement data from temperature sensors.

You need a solution to process the sensor data. Your solution must be able to write configuration changes back to the devices.

You make use of Microsoft Azure IoT Hub.

Does this action accomplish your objective?

A. Yes, it does

B. No, it does not

Correct Answer: A

By making use of Microsoft Azure IoT Hub, you can accomplish your objective of processing the sensor data generated by Azure IoT Edge devices and writing configuration changes back to the devices.

Azure IoT Hub is a managed service that acts as a central hub for bi-directional communication between IoT devices

and the cloud. It provides device management, telemetry ingestion, and command and control capabilities. With Azure IoT Hub, you can easily connect and manage your IoT devices, including Azure IoT Edge devices.

Using Azure IoT Hub, you can ingest the measurement data from temperature sensors deployed on the Azure IoT Edge devices. You can then process this data in the cloud using Azure services such as Azure Stream Analytics, Azure Functions, or Azure Machine Learning. Once processed, you can send configuration changes or commands back to the devices through Azure IoT Hub, enabling you to remotely update the device configurations.

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**QUESTION 3**

You have an Azure Machine Learning experiment that must comply with GDPR regulations. You need to track compliance of the experiment and store documentation about the experiment.

What should you use?

A. Azure Table storage

B. Azure Security Center

C. An Azure Log Analytics workspace

D. Compliance Manager

Correct Answer: D

References: https://azure.microsoft.com/en-us/blog/new-capabilities-to-enable-robust-gdpr-compliance/

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**QUESTION 4**

You are building an Azure Analysis Services cube for your AI deployment.

The source data for the cube is located in an on premises network in a Microsoft SQL Server database.
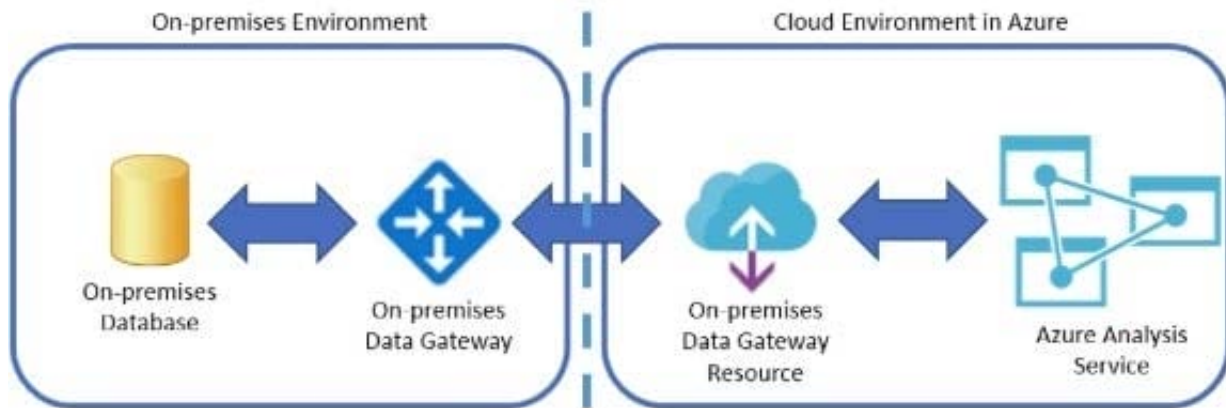
You need to ensure that the Azure Analysis Services service can access the source data.

What should you deploy to your Azure subscription?

A. a site-to-site VPN

B. a data gateway

C. Azure Data Factory

D. a network gateway

Correct Answer: B

From April 2017 onward we can use On-premises Data Gateway for Azure Analysis Services. This means you can connect your Tabular Models hosted in Azure Analysis Services to your on-premises data sources through On-premises Data Gateway.

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References: https://biinsight.com/on-premises-data-gateway-for-azure-analysis-services/

**QUESTION 5**

You are designing an AI solution that will analyze millions of pictures by using Azure HDInsight Hadoop cluster.

You need to recommend a solution for storing the pictures. The solution must minimize costs.

Which storage solution should you recommend?

A. an Azure Data Lake Storage Gen1

B. Azure File Storage

C. Azure Blob storage

D. Azure Table storage

Correct Answer: C

Data Lake will be a bit more expensive although they are in close range of each other. Blob storage has more options for pricing depending upon things like how frequently you need to access your data (cold vs hot storage).

References: http://blog.pragmaticworks.com/azure-data-lake-vs-azure-blob-storage-in-data-warehousing