



# DP-900<sup>Q&As</sup>

Microsoft Azure Data Fundamentals

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### QUESTION 1

DRAG DROP

Match the types of data stores to the appropriate scenarios.

To answer, drag the appropriate data store type from the column on the left to its scenario on the right. Each data store type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Graph		Application users and their default language
Object		Medical images and their associated metadata
Key/value		Employee data that shows the relationships between employees

Correct Answer:

	Key/value	Application users and their default language
	Object	Medical images and their associated metadata
	Graph	Employee data that shows the relationships between employees

Reference: <https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/data-store-overview>

### QUESTION 2

You need to recommend a data store service that meets the following requirements:

1.

Native SQL API access

2.

Configurable indexes What should you recommend?



- A. Azure Files
- B. Azure Cosmos DB
- C. Azure Blob storage
- D. Azure Table storage

Correct Answer: B

Azure Cosmos DB comes with native Core (SQL) API support.

In Azure Cosmos DB, data is indexed following indexing policies that are defined for each container. The default indexing policy for newly created containers enforces range indexes for any string or number. This policy can be overridden with your own custom indexing policy.

Reference: <https://docs.microsoft.com/en-us/azure/cosmos-db/sql/how-to-manage-indexing-policy>

### QUESTION 3

#### DRAG DROP

Match the types of workloads to the appropriate scenarios. To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

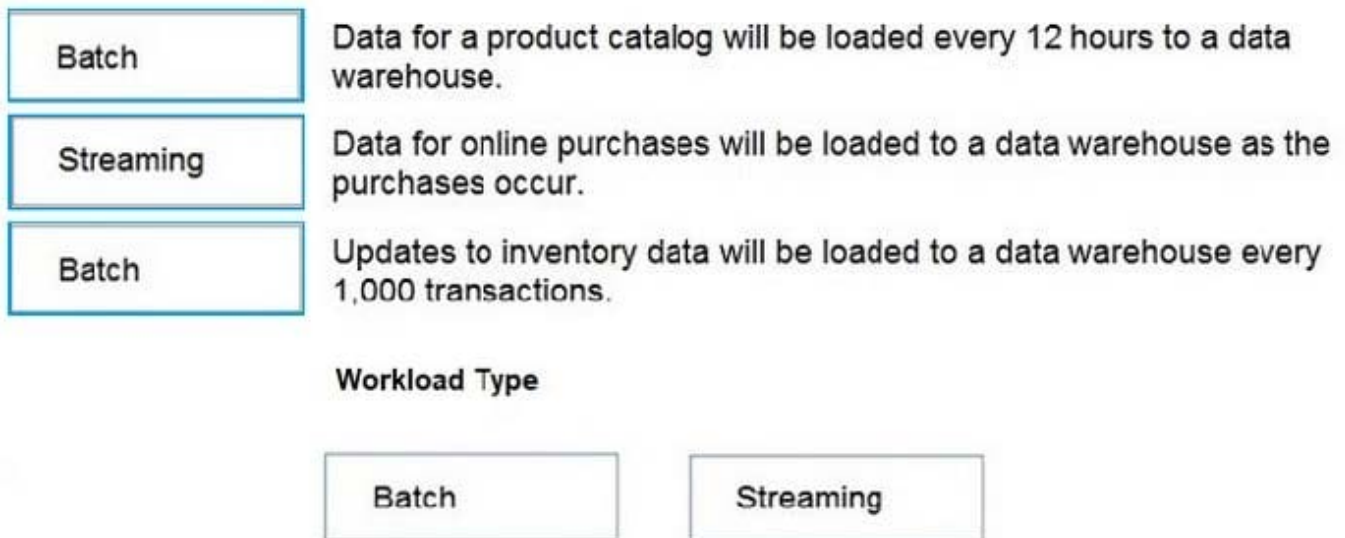
Data for a product catalog will be loaded every 12 hours to a data warehouse.

Data for online purchases will be loaded to a data warehouse as the purchases occur.

Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

#### Workload Type

Correct Answer:



Box 1: Batch

Batch processing refers to the processing of blocks of data that have already been stored over a period of time.

Box 2: Streaming

Stream processing is a big data technology that allows us to process data in real-time as they arrive and detect conditions within a small period of time from the point of receiving the data. It allows us to feed data into analytics tools as soon as they get generated and get instant analytics results.

Box 3: Batch

#### QUESTION 4

You need to store event log data that is semi-structured and received as the logs occur. What should you use?

- A. Azure Table storage
- B. Azure Queue storage
- C. Azure Files

Correct Answer: B

#### QUESTION 5

Which Azure SQL offering provides near-100 percent compatibility with on-premises Microsoft SQL Server instances, while providing automated updates, backups, and maintenance tasks?

- A. Azure SQL Managed Instance
- B. SQL Server on Azure Virtual Machines



C. Azure SQL Edge

D. Azure SQL Database

Correct Answer: A

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