DP-900^{Q&As}

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Microsoft Azure Data Fundamentals

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QUESTION 1

DRAG DROP

Match the datastore services to the appropriate descriptions.

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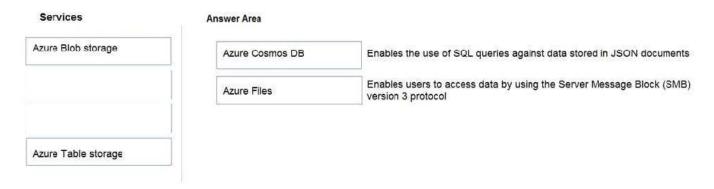
Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Services		Answer Area	
Azure Blob storage		Service	Enables the use of SQL queries against data stored in JSON documents
Azure Cosmos DB		Service	Enables users to access data by using the Server Message Block (SMB) version 3 protocol
Azure Files			
Azure Table storage			

Correct Answer:

Services		Answer Area	
Azure Blob storage		Azure Cosmos DB	Enables the use of SQL queries against data stored in JSON documents
		Azure Files	Enables users to access data by using the Server Message Block (SMB) version 3 protocol
Azure Table storage			

Box 1: Azure Cosmos DB

In Azure Cosmos DB\\'s SQL (Core) API, items are stored as JSON. The type system and expressions are restricted to deal only with JSON types.

Box 2: Azure Files

Azure Files offers native cloud file sharing services based on the SMB protocol.

Reference:

https://docs.microsoft.com/en-us/azure/cosmos-db/sql-query-working-with-json

https://cloud.netapp.com/blog/azure-smb-server-message-block-in-the-cloud-for-azure-fil

QUESTION 2

HOTSPOT

For each of the following statements, select Yes if the statement is true, Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
Azure Synapse Analytics scales storage and compute independently.	○	○
Azure Synapse Analytics can be paused to reduce compute costs.	○	○
An Azure Synapse Analytics data warehouse has a fixed storage capacity.	○	○

Correct Answer:

Statements	Yes	No
Azure Synapse Analytics scales storage and compute independently.	●	○
Azure Synapse Analytics can be paused to reduce compute costs.	●	○
An Azure Synapse Analytics data warehouse has a fixed storage capacity.	○	●

QUESTION 3

Match the types of data to the appropriate Azure data services.

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

NOTE: Each correct match is worth one point.

Select and Place:

	Azure Blob storage
Image files	Data Type
Key/value pairs	Azure Cosmos DB API
	Data Type
Relationships between employees	Azure Table storage
	Data Type

Correct Answer:

	Azure Blob storage
	Image files
	Azure Cosmos DB API
	Key/value pairs
	Azure Table storage
	Relationships between employees

Box 1: Image files

Azure Blob storage is suitable for image files.

Box 2:Key/value pairs

Azure CosmosDB table API is a key-value storage hosted in the cloud.

Box 3: Relationship between employees

One-to-many relationships between business domain objects occur frequently: for example, one department has many employees. There are several ways to implement one- to-many relationships in the Azure Table service.

QUESTION 4

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

	Yes	No
A pipelines is a representation of a data structure within Azure Data Factory.	○	○
Azure Data Factory pipelines can execute other pipelines.	○	○
A processing step within an Azure Data Factory pipelines is an activity.	○	○

Correct Answer:

	Yes	No
A pipelines is a representation of a data structure within Azure Data Factory.	○	●
Azure Data Factory pipelines can execute other pipelines.	●	○
A processing step within an Azure Data Factory pipelines is an activity.	●	○

Box 1: No

A pipeline is a logical grouping of activities that together perform a task.

Box 2: Yes

You can construct pipeline hierarchies with data factory.

Box 3: Yes

A pipeline is a logical grouping of activities that together perform a task.

Reference:

https://mrpaulandrew.com/2019/09/25/azure-data-factory-pipeline-hierarchies-generation-control/

QUESTION 5

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Hot Area:

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	○	○
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	○	○
Azure Data Studio can be used to restore a database.	○	○

Correct Answer:

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	◉	○
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	○	◉
Azure Data Studio can be used to restore a database.	◉	○

Box 1: Yes

Azure Data Studio is a cross-platform database tool for data professionals using on-premises and cloud data platforms on Windows, macOS, and Linux.

You can use Azure Data Studio to connect to an Azure SQL Database server. You\\'ll then run Transact-SQL (T-SQL) statements to create and query Azure SQL databases.

Box 2: No

SQL Server Management Studio is for configuring, managing, and administering all components within Microsoft SQL Server, not to create SQL notebooks.

Instead use Azure Data Studio to create SQL notebook.

Box 3: Yes

You can use the Azure Data Studio to restore databases.

Reference:https://docs.microsoft.com/en-us/sql/azure-data-studio/what-is-azure-data-studio

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