References:

https://docs.microsoft.com/en-us/azure/data-factory/copy-activity-schema-and-type-mapping

Topic 4, Mis Questions

QUESTION 1

DRAG DROP

You are developing the data platform for a global retail company. The company operates during normal working hours in each region. The analytical database is used once a week for building sales projections.

Each region maintains its own private virtual network.

Building the sales projections is very resource intensive are generates upwards of 20 terabytes (TB) of data.

Microsoft Azure SQL Databases must be provisioned.

- Database provisioning must maximize performance and minimize cost
- The daily sales for each region must be stored in an Azure SQL Database instance
- Once a day, the data for all regions must be loaded in an analytical Azure SQL Database instance

You need to provision Azure SQL database instances.

How should you provision the database instances? To answer, drag the appropriate Azure SQL products to the correct databases. Each Azure SQL product may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Azure SQL Database Managed Instance

Azure SQL Database Hyperscale

_ _ _ _ _ _ _ _ _ _ _ _

Azure SQL products	Database . Daily Sales Weekly Analysis	Azure SQL product Azure SQL product Azure SQL product
Azure SQL Database elastic pools Azure SQL Database Premium		
Azure SQL Database Managed Instance		
Azure SQL Database Hyperscale		
Correct Answer:		
Azure SQL products	Database .	Azure SQL product
Azure SQL Database elastic pools	Daily Sales Weekly Analysis	Azure SQL Database elastic pools
Azure SQL Database Premium		Azure SQL Database Hyperscale

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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.

A company uses Azure Data Lake Gen 1 Storage to store big data related to consumer behavior.

You need to implement logging.

Solution: Configure Azure Data Late Storage diagnostics to store logs and metrics in a storage account.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 3

DRAG DROP You develop data engineering solutions for a company.

You need to deploy a Microsoft Azure Stream Analytics job for an IoT solution. The solution must:

Minimize latency.

• Minimize bandwidth usage between the job and IoT device.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Configure routes.	
Create an Azure Data Lake Storage container.]
Create an IoT Hub and add the Azure Stream Analytics module to the IoT Hub namespace.	
Create an Azure Stream Analytics edge job and configure job definition save location.	\odot
Create an Azure Stream Analytics cloud job and configure job definition save location.	
Create an Azure Blob storage container.	
Configure Streaming Units.	

Correct Answer:

Actions

Configure routes.

Create an Azure Data Lake Storage container.

Create an IoT Hub and add the Azure Stream Analytics module to the IoT Hub namespace.

Create an Azure Stream Analytics edge job and configure job definition save location.

Create an Azure Stream Analytics cloud job and configure job definition save location.

Create an Azure Blob storage container.

Configure Streaming Units.

Answer Area

Create an IoT Hub and add the Azure Stream Analytics module to the IoT Hub namespace.

Create an Azure Blob storage container.

Create an Azure Stream Analytics edge job and configure job definition save location.

Configure routes.

QUESTION 4

DRAG DROP

Your company plans to create an event processing engine to handle streaming data from Twitter.

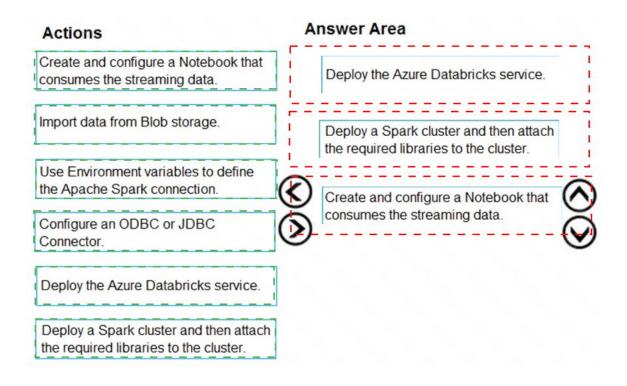
The data engineering team uses Azure Event Hubs to ingest the streaming data.

You need to implement a solution that uses Azure Databricks to receive the streaming data from the Azure Event Hubs.

Which three actions should you recommend be performed in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Create and configure a Notebook that consumes the streaming data.	
Import data from Blob storage.	
Use Environment variables to define the Apache Spark connection.	\bigotimes
Configure an ODBC or JDBC Connector.	$\overline{\mathfrak{O}}$
Deploy the Azure Databricks service.	
Deploy a Spark cluster and then attach the required libraries to the cluster.	

Correct Answer:



QUESTION 5

You are a data engineer implementing a lambda architecture on Microsoft Azure. You use an open-source big data solution to collect, process, and maintain data. The analytical data store performs poorly.

You must implement a solution that meets the following requirements:

- Provide data warehousing
- Reduce ongoing management activities
- Deliver SQL query responses in less than one second

You need to create an HDInsight cluster to meet the requirements.

Which type of cluster should you create?

- A. Interactive Query
- B. Apache Hadoop
- C. Apache HBase
- D. Apache Spark

Correct Answer: D Explanation:

Lambda Architecture with Azure:

Azure offers you a combination of following technologies to accelerate real-time big data analytics:

Azure Cosmos DB, a globally distributed and multi-model database service.

Apache Spark for Azure HDInsight, a processing framework that runs large-scale data analytics

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