Vendor: Microsoft

Exam Code:70-776

Exam Name: Perform Big Data Engineering on Microsoft Cloud Services

Version: Demo

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

You are monitoring user queries to a Microsoft Azure SQL data warehouse that has six compute nodes.

You discover that compute node utilization is uneven. The rows_processed column from sys.dm_pdw_workers shows a significant variation in the number of rows being moved among the distributions for the same table for the same query.

You need to ensure that the load is distributed evenly across the compute nodes.

Solution: You add a nonclustered columnstore index. Does this meet the goal?

A. Yes

B. No

Correct Answer: B

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.

You are troubleshooting a slice in Microsoft Azure Data Factory for a dataset that has been in a waiting state for the last three days. The dataset should have been ready two days ago.

The dataset is being produced outside the scope of Azure Data Factory. The dataset is defined by using the following JSON code.

```
{
"name": "CustomerTable",
"properties": {
"type": "AzureBlob",
"linkedServiceName": "MyLinkedService",
"typeProperties": {
"folderPath": "MyContainer/MySubFolder/",
"format": {
"type": "TextFormat",
"columnDelimiter": ",",
"rowDelimiter": ";"
}
},
"external": false,
"availability": {
"frequency": "Hour",
"interval": 1
},
"policy": {
}
}
}
}
```


You need to modify the JSON code to ensure that the dataset is marked as ready whenever there is data in the data store.

Solution: You add a structure property to the dataset.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 3

You need to define an input dataset for a Microsoft Azure Data Factory pipeline. Which properties should you include when you define the dataset?

A. name, type, typeProperties, and availability

B. name, typeProperties, structure, and availability

C. name, policy, structure, and external

D. name, type, policy, and structure

Correct Answer: A

QUESTION 4

You have an on-premises data warehouse that uses Microsoft SQL Server 2016. All the data in the data warehouse comes from text files stored in Azure Blob storage. The text files are imported into the data warehouse by using SQL Server

Integration Services (SSIS). The text files are not transformed.

You need to migrate the data to an Azure SQL data warehouse in the least amount of time possible.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Use SSIS to upload the files in Azure Blob storage to tables in the Azure SQL data warehouse.

B. Execute the CREATE EXTERNAL TABLE AS SELECT statement to export the data.

C. Use AzCopy to transfer the data from the on-premises data warehouse to Azure SQL data warehouse.

D. Execute the CREATE TABLE AS SELECT statement to load the data.

E. Define external tables in the Azure SQL data warehouse that map to the existing files in Azure Blob storage.

Correct Answer: DE

QUESTION 5

You need to use the Cognition.Vision.FaceDetector() function in U-SQL to analyze images. Which attribute can you detect by using the function?

A. gender

B. race

C. weight

D. hair color

Correct Answer: A

QUESTION 6

DRAG DROP

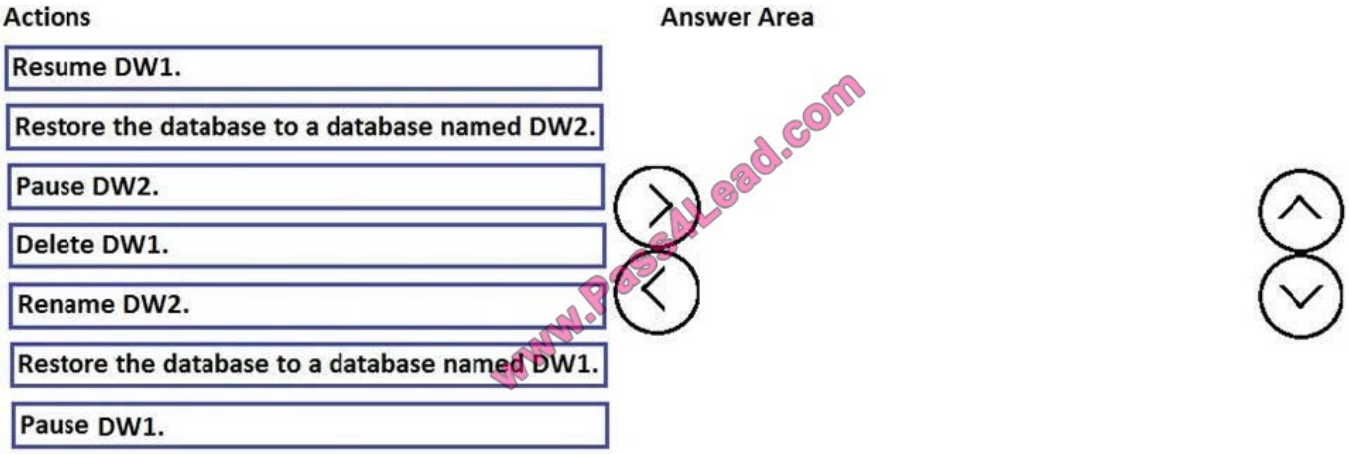
You have a Microsoft Azure SQL data warehouse named DW1. Data is located to DW1 once daily at 01:00.

A user accidentally deletes data from a fact table in DW1 at 09:00.

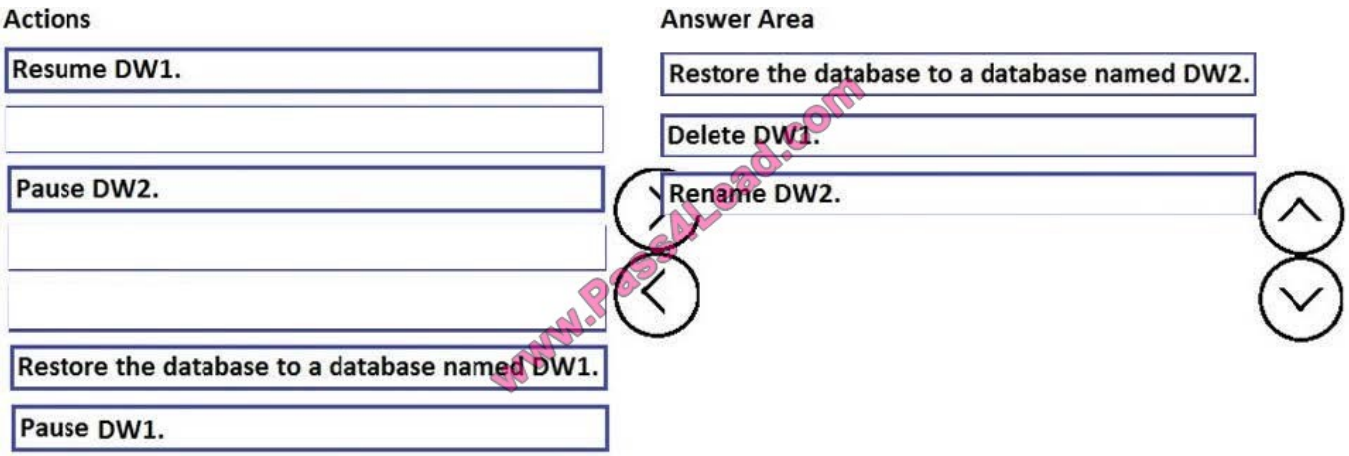
You need to recover the lost data. The solution must prevent the need to change any connection strings and must minimize downtime.

Which three 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.

Select and Place:



Correct Answer:



QUESTION 7

You have an on-premises deployment of Active Directory named contoso.com.

You plan to deploy a Microsoft Azure SQL data warehouse.

You need to ensure that the data warehouse can be accessed by contoso.com users.

Which two components should you deploy? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Azure AD Privileged Identity Management

B. Azure Information Protection

C. Azure Active Directory

D. Azure AD Connect

E. Cloud App Discovery

F. Azure Active Directory B2C

Correct Answer: CD

QUESTION 8

Note: This question is part of a series of questions that present the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Start of repeated scenario

You are migrating an existing on-premises data warehouse named LocalDW to Microsoft Azure. You will use an Azure SQL data warehouse named AzureDW for data storage and an Azure Data Factory named AzureDF for extract,

transformation, and load (ETL) functions.

For each table in LocalDW, you create a table in AzureDW.

On the on-premises network, you have a Data Management Gateway.

Some source data is stored in Azure Blob storage. Some source data is stored on an on- premises Microsoft SQL Server instance. The instance has a table named Table1.

After data is processed by using AzureDF, the data must be archived and accessible forever. The archived data must meet a Service Level Agreement (SLA) for availability of 99 percent. If an Azure region fails, the archived data must be

available for reading always.

End of repeated scenario.

You need to configure Azure Data Factory to connect to the on-premises SQL Server instance.

What should you do first?

A. Deploy an Azure virtual network gateway.

B. Create a dataset in Azure Data Factory.

C. From Azure Data Factory, define a data gateway.

D. Deploy an Azure local network gateway.

Correct Answer: C

QUESTION 9

You have a Microsoft Azure Data Factory that recently ran several activities in parallel.

You receive alerts indicating that there are insufficient resources.

From the Activity Windows list in the Monitoring and Management app, you discover the statuses described in the following table.

Activity name	Status	Substatus
Activity1	Failed	Canceled
Activity2	Waiting	DatasetDependencies
Activity3	Waiting	ComputeResources
Activity4	Waiting	ActivityResume
Activity5	Waiting	ConcurrencyLimit
Activity6	Skipped	Not applicable
Activity7	In progress	Validating
Activity8	Waiting	ValidationRetry

Which activity cannot complete because of insufficient resources?

A. Activity2

B. Activity4

C. Activity5

D. Activity7

Correct Answer: C

QUESTION 10

You have a Microsoft Azure Data Lake Store and an Azure Active Directory tenant.

You are developing an application that will access the Data Lake Store by using end-user credentials.

You need to ensure that the application uses end-user authentication to access the Data Lake Store.

What should you create?

A. a Native Active Directory app registration

B. a policy assignment that uses the Allowed resource types policy definition

C. a Web app/API Active Directory app registration

D. a policy assignment that uses the Allowed locations policy definition

Correct Answer: A

QUESTION 11

You plan to use Microsoft Azure Data factory to copy data daily from an Azure SQL data warehouse to an Azure Data Lake Store.

You need to define a linked service for the Data Lake Store. The solution must prevent the access token from expiring.

Which type of authentication should you use?

A. OAuth

B. service-to-service

C. Basic

D. service principal

Correct Answer: D

QUESTION 12

HOTSPOT

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exactly the same in each question in this series.

Start of repeated scenario

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On the on-premises network, you have a Data Management Gateway.

Some source data is stored in Azure Blob storage. Some source data is stored on an on- premises Microsoft SQL Server instance. The instance has a table named Table1. After data is processed by using AzureDF, the data must be archived

and accessible forever. The archived data must meet a Service Level Agreement (SLA) for availability of 99 percent. If an Azure region fails, the archived data must be available for reading always. The storage solution for the archived data

must minimize costs.

End of repeated scenario.

How should you configure the storage to archive the source data? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Correct Answer:

Answer Area

References: https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers

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