70-776^{Q&As}

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Perform Big Data Engineering on Microsoft Cloud Services

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QUESTION 1

You have an on-premises Microsoft SQL Server instance.

You plan to copy a table from the instance to a Microsoft Azure Storage account.

You need to ensure that you can copy the table by using Azure Data Factory.

Which service should you deploy?

A. an on-premises data gateway

B. Azure Application Gateway

C. Data Management Gateway

D. a virtual network gateway

Correct Answer: C

QUESTION 2

DRAG DROP

You need to create a dataset in Microsoft Azure Data Factory that meets the following requirements:

How should you complete the JSON code? To answer, drag the appropriate values to the correct targets. Each value 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.

Select and Place:

Values

"availability":

"partitionedBy":

"policy":

"scheduler":

Answer Area

```
{
  "name": "blob1",
  "properties": {
    "type": "AzureBlob",
    "linkedServiceName": "LinkedService1",
    "typeProperties": {
      "folderPath": "Container1/myfolder/{Year}/{Month}"
```

       Value

```
      [
        {
          "name": "Year",
          "value": {
            "type": "DateTime",
            "date": "SliceStart",
            "format": "yyyy"
          }
        },
        {
          "name": "Month",
          "value": {
            "type": "DateTime",
            "date": "SliceStart",
            "format": "MM"
          },
        }
      ]
    },
```

       Value

```
    {
      "frequency": "Month",
      "interval": 1
    }
  }
}
```

Correct Answer:

Values

```
┌─────────────────────┐
│                     │
├─────────────────────┤
│                     │
└─────────────────────┘
┌─────────────────────┐
│  "policy":          │
└─────────────────────┘
┌─────────────────────┐
│  "scheduler":       │
└─────────────────────┘
```

Answer Area

```
{
  "name": "blob1",
  "properties": {
    "type": "AzureBlob",
    "linkedServiceName": "LinkedService1",
    "typeProperties": {
      "folderPath": "Container1/myfolder/{Year}/{Month}"
      "partitionedBy":
      [
        {
          "name": "Year",
          "value": {
            "type": "DateTime",
            "date": "SliceStart",
            "format": "yyyy"
          }
        },
        {
          "name": "Month",
          "value": {
            "type": "DateTime",
            "date": "SliceStart",
            "format": "MM"
          },
        }
      ]
    },
    "availability":
    {
      "frequency": "Month",
      "interval": 1
    }
  }
}
```

References:

https://github.com/aelij/azure-content/blob/master/articles/data-factory/data-factory-create- pipelines.md

QUESTION 3

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 an activity to move data from blob storage to AzureDW.

What should you create?

A. a pipeline

B. a linked service

C. an automation runbook

D. a dataset

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
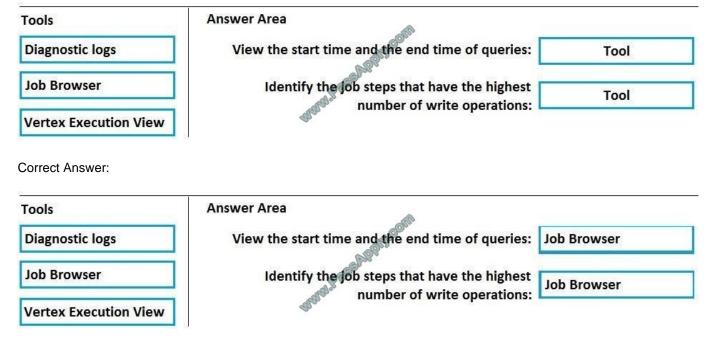
QUESTION 5

DRAG DROP

You are troubleshooting job performance and failure issues for Microsoft Azure Data Lake Analytics jobs.

You need to perform the following tasks:

Which tool should you use for each task? To answer, drag the appropriate tools to the correct tasks. Each tool 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.

Select and Place:

Tools	Answer Area	
Diagnostic logs	View the start time and the end time of queries:	Tool
Job Browser	Identify the job steps that have the highest number of write operations:	Tool
Vertex Execution View		

Correct Answer:

Tools	Answer Area	
Diagnostic logs	View the start time and the end time of queries:	Job Browser
Job Browser	Identify the job steps that have the highest number of write operations:	Job Browser
Vertex Execution View		

References:

https://docs.microsoft.com/en-us/azure/data-lake-analytics/data-lake-analytics-data-lake- tools-view-jobs

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