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In this Desktop-based Microsoft DP-203 practice exam software, you will enjoy the opportunity to self-exam your preparation. The chance to customize the Data Engineering on Microsoft Azure (DP-203) practice exams according to the time and types of Data Engineering on Microsoft Azure (DP-203) practice test questions will contribute to your ease. This format operates only on Windows-based devices. But what is helpful is that it functions without an active internet connection. It copies the exact pattern and style of the real Microsoft DP-203 Exam to make your preparation productive and relevant.

To prepare for the DP-203 certification exam, candidates must have a solid understanding of Azure data technologies, including Azure Data Factory, Azure Databricks, Azure Stream Analytics, and Azure Synapse Analytics. Candidates must also have experience in designing, building, and maintaining data processing systems. Microsoft offers a variety of resources to help candidates prepare for the DP-203 certification exam, including online training courses, practice tests, and study guides.

Becoming a certified Microsoft DP-203 professional can lead to numerous career opportunities in the field of data engineering. It can help candidates to demonstrate their expertise in designing and implementing data solutions on Azure, which is one of the fastest-growing cloud platforms in the world. Additionally, the certification can help candidates to stand out in the highly competitive job market and increase their earning potential. With the increasing demand for data engineers in the industry, earning a Microsoft DP-203 Certification can provide a significant advantage for professionals seeking to advance their careers in this field.

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Data Engineering on Microsoft Azure Study Training Dumps Grasp the Core Knowledge of DP-203 Exam - Exam4Tests

Exam4Tests real Microsoft DP-203 Exam Dumps are ideal for applicants who are busy in their routines and want to do quick preparation for the Microsoft DP-203 certification test. We guarantee that our actual Data Engineering on Microsoft Azure (DP-203) questions will be enough for you to prepare successfully for the Data Engineering on Microsoft Azure (DP-203) examination.

Microsoft DP-203 exam is designed for professionals who are looking to validate their skills in data engineering on the Microsoft Azure platform. DP-203 exam is highly regarded and is considered one of the most comprehensive exams in the field of data engineering. Passing the DP-203 Exam demonstrates that a professional has the knowledge and skills required to design and implement data solutions on Microsoft Azure.

Microsoft Data Engineering on Microsoft Azure Sample Questions (Q77-Q82):

NEW QUESTION # 77

You have an Azure SQL database named DB1 and an Azure Data Factory data pipeline named pipeline. From Data Factory, you configure a linked service to DB1.

In DB1, you create a stored procedure named SP1. SP1 returns a single row of data that has four columns.

You need to add an activity to pipeline to execute SP1. The solution must ensure that the values in the columns are stored as pipeline variables.

Which two types of activities can you use to execute SP1? (Refer to Data Engineering on Microsoft Azure documents or guide for Answers/Explanation available at Microsoft.com)

- A. Copy
- B. Lookup
- C. Script
- D. Stored Procedure

Answer: B,D

Explanation:

the two types of activities that you can use to execute SP1 are Stored Procedure and Lookup.

A Stored Procedure activity executes a stored procedure on an Azure SQL Database or Azure Synapse Analytics or SQL Server1.

You can specify the stored procedure name and parameters in the activity settings1.

A Lookup activity retrieves a dataset from any data source that returns a single row of data with four columns2

. You can use a query to execute a stored procedure as the source of the Lookup activity2. You can then store the values in the columns as pipeline variables by using expressions2.

<https://learn.microsoft.com/en-us/azure/data-factory/transform-data-using-stored-procedure>

NEW QUESTION # 78

You are building a database in an Azure Synapse Analytics serverless SQL pool.

You have data stored in Parquet files in an Azure Data Lake Storage Gen2 container.

Records are structured as shown in the following sample.

```
{
  "id": 123,
  "address_housenumber": "19c",
  "address_line": "Memory Lane",
  "applicant1_name": "Jane",
  "applicant2_name": "Dev"
}
```

The records contain two applicants at most.

You need to build a table that includes only the address fields.

How should you complete the Transact-SQL statement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Microsoft

applications

CREATE EXTERNAL TABLE

CREATE TABLE

CREATE VIEW

WITH (

LOCATION = 'applications/',

DATA_SOURCE = applications_ds,

FILE_FORMAT = applications_file_format

)

AS

SELECT id, [address_housenumber] as addresshousenumber, [address_line1] as addressline1

FROM

(BULK 'https://contosol.dfs.core.windows.net/applications/year=**/*.parquet'

CROSS APPLY

OPENJSON

OPENROWSET

FORMAT='PARQUET') AS [r]

Answer:

Explanation:

Answer Area

CREATE EXTERNAL TABLE
CREATE TABLE
CREATE VIEW

▼ applications

WITH (

LOCATION = 'applications/',

DATA_SOURCE = applications_ds,

FILE_FORMAT = applications_file_format

)

AS

SELECT id, [address_housenumber] as addresshousenumber, [address_line1] as addressline1

FROM

CROSS APPLY
OPENJSON
OPENROWSET

▼ (BULK 'https://contosol.dfs.core.windows.net/applications/year=*/*.parquet',

FORMAT=' PARQUET') AS [r]

GO

Reference:

<https://docs.microsoft.com/en-us/azure/synapse-analytics/sql/develop-tables-external-tables>

NEW QUESTION # 79

You have an Azure Data Lake Storage Gen2 account that contains a JSON file for customers. The file contains two attributes named FirstName and LastName.

You need to copy the data from the JSON file to an Azure Synapse Analytics table by using Azure Databricks.

A new column must be created that concatenates the FirstName and LastName values.

You create the following components:

- * A destination table in Azure Synapse
- * An Azure Blob storage container
- * A service principal

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

Actions

Mount the Data Lake Storage onto DBFS.

Write the results to a table in Azure Synapse.

Specify a temporary folder to stage the data.

Read the file into a data frame.

Perform transformations on the data frame.

Answer Area

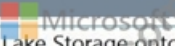
Answer:

Explanation:

Actions	Answer Area
Mount the Data Lake Storage onto DBFS.	Mount the Data Lake Storage onto DBFS.
Write the results to a table in Azure Synapse.	Read the file into a data frame.
Specify a temporary folder to stage the data.	Perform transformations on the data frame.
Read the file into a data frame.	Specify a temporary folder to stage the data.
Perform transformations on the data frame.	Write the results to a table in Azure Synapse.

Explanation:

Table Description automatically generated



Mount the Data Lake Storage onto DBFS.
Read the file into a data frame.
Perform transformations on the data frame.
Specify a temporary folder to stage the data.
Write the results to a table in Azure Synapse.

Step 1: Mount the Data Lake Storage onto DBFS

Begin with creating a file system in the Azure Data Lake Storage Gen2 account.

Step 2: Read the file into a data frame.

You can load the json files as a data frame in Azure Databricks.

Step 3: Perform transformations on the data frame.

Step 4: Specify a temporary folder to stage the data

Specify a temporary folder to use while moving data between Azure Databricks and Azure Synapse.

Step 5: Write the results to a table in Azure Synapse.

You upload the transformed data frame into Azure Synapse. You use the Azure Synapse connector for Azure Databricks to directly upload a dataframe as a table in a Azure Synapse.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-databricks/databricks-extract-load-sql-data-warehouse>

NEW QUESTION # 80

You have data stored in thousands of CSV files in Azure Data Lake Storage Gen2. Each file has a header row followed by a properly formatted carriage return (/r) and line feed (/n).

You are implementing a pattern that batch loads the files daily into an enterprise data warehouse in Azure Synapse Analytics by using PolyBase.

You need to skip the header row when you import the files into the data warehouse. Before building the loading pattern, you need to prepare the required database objects in Azure Synapse Analytics.

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.

NOTE: Each correct selection is worth one point

Actions

Answer Area



Create a database scoped credential that uses Azure Active Directory Application and a Service Principal Key
Create an external data source that uses the abfs location
Use CREATE EXTERNAL TABLE AS SELECT (CETAS) and configure the reject options to specify reject values or percentages
Create an external file format and set the First_Row option



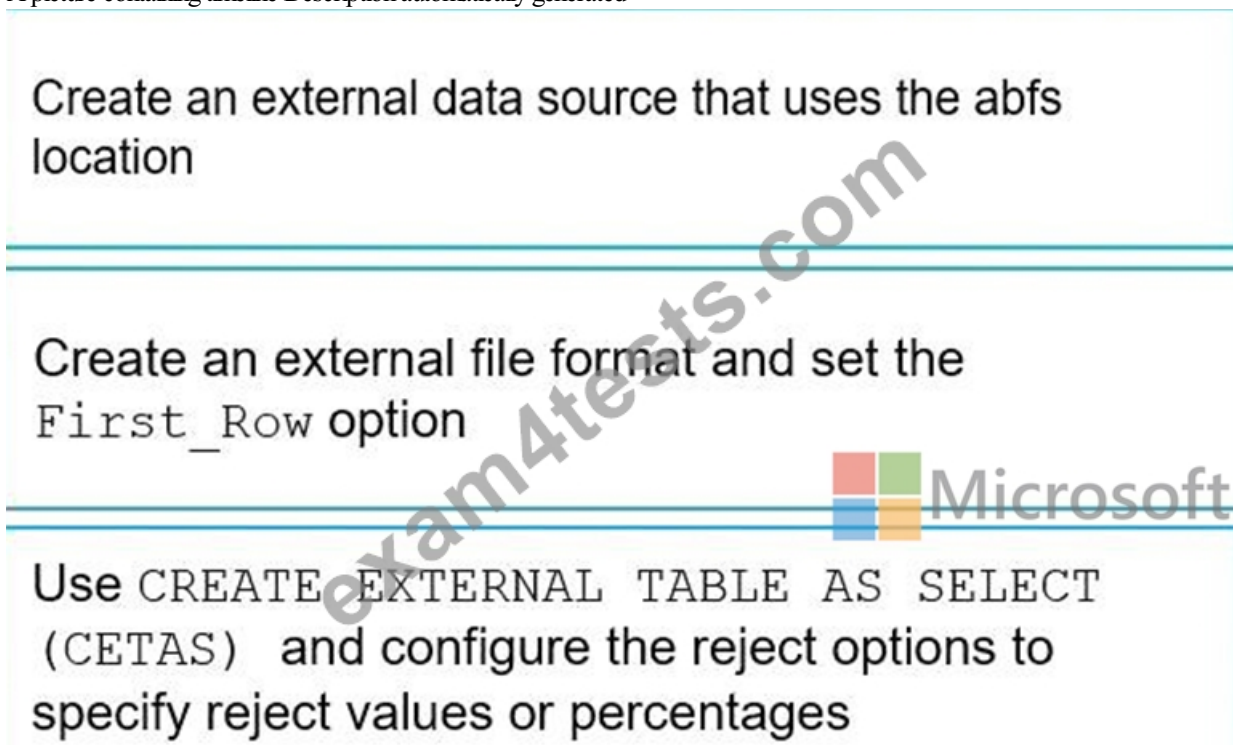
Answer:

Explanation:

Actions	Answer Area
Create a database scoped credential that uses Azure Active Directory Application and a Service Principal Key	Create an external data source that uses the abfs location
Create an external data source that uses the abfs location	Create an external file format and set the First_Row option
Use CREATE EXTERNAL TABLE AS SELECT (CETAS) and configure the reject options to specify reject values or percentages	Use CREATE EXTERNAL TABLE AS SELECT (CETAS) and configure the reject options to specify reject values or percentages
Create an external file format and set the First_Row option	

Explanation

A picture containing timeline Description automatically generated



Step 1: Create an external data source that uses the abfs location

Create External Data Source to reference Azure Data Lake Store Gen 1 or 2 Step 2: Create an external file format and set the First_Row option.

Create External File Format.

Step 3: Use CREATE EXTERNAL TABLE AS SELECT (CETAS) and configure the reject options to specify reject values or percentages To use PolyBase, you must create external tables to reference your external data.

Use reject options.

Note: REJECT options don't apply at the time this CREATE EXTERNAL TABLE AS SELECT statement is run. Instead, they're specified here so that the database can use them at a later time when it imports data from the external table. Later, when the CREATE TABLE AS SELECT statement selects data from the external table, the database will use the reject options to determine the number or percentage of rows that can fail to import before it stops the import.

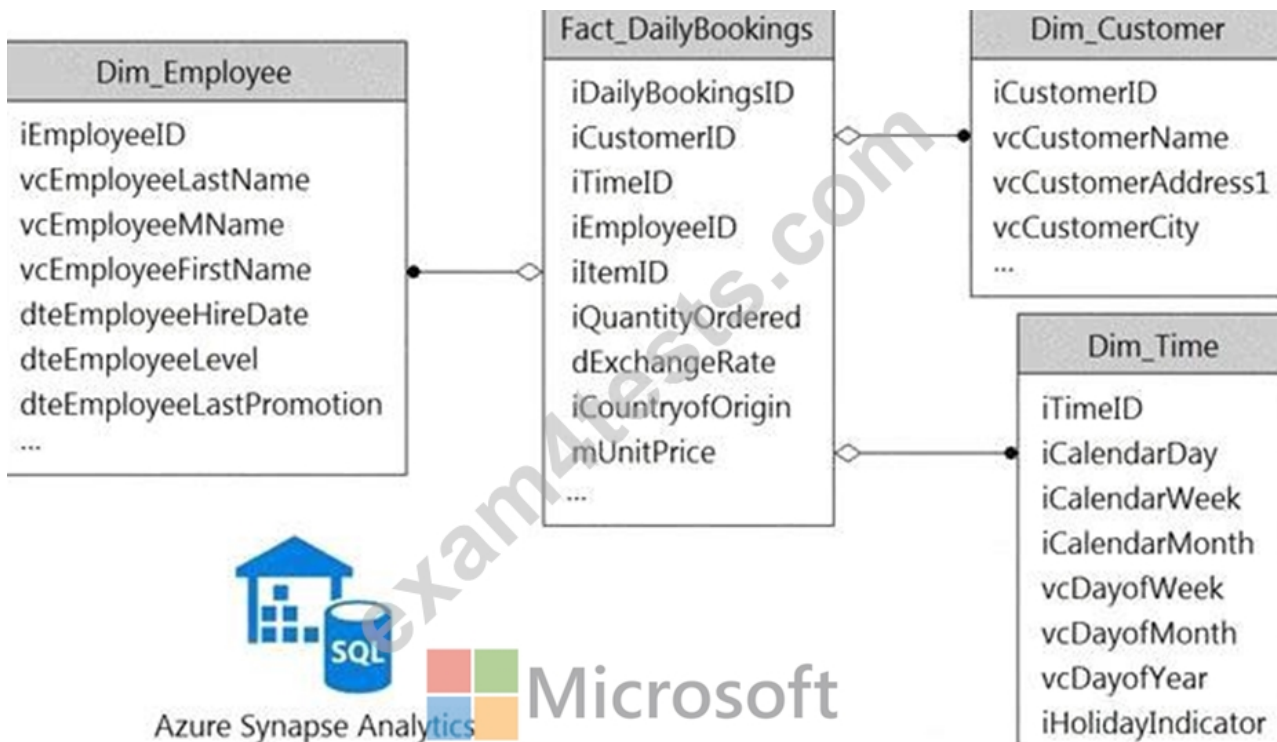
Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/polybase/polybase-t-sql-objects>

<https://docs.microsoft.com/en-us/sql/t-sql/statements/create-external-table-as-select-transact-sql>

NEW QUESTION # 81

You have a data model that you plan to implement in a data warehouse in Azure Synapse Analytics as shown in the following exhibit.



All the dimension tables will be less than 2 GB after compression, and the fact table will be approximately 6 TB.
Which type of table should you use for each table? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Dim_Customer:

Hash distributed
Round-robin
Replicated

Dim_Employee:

Hash distributed
Round-robin
Replicated

Dim_Time:

Hash distributed
Round-robin
Replicated

Fact_DailyBookings:

Hash distributed
Round-robin
Replicated

Answer:

Explanation:

Answer Area

Dim_Customer: 

Hash distributed

Round-robin

Replicated

Dim_Employee:  

Hash distributed

Round-robin

Replicated

Dim_Time: 

Hash distributed

Round-robin

Replicated

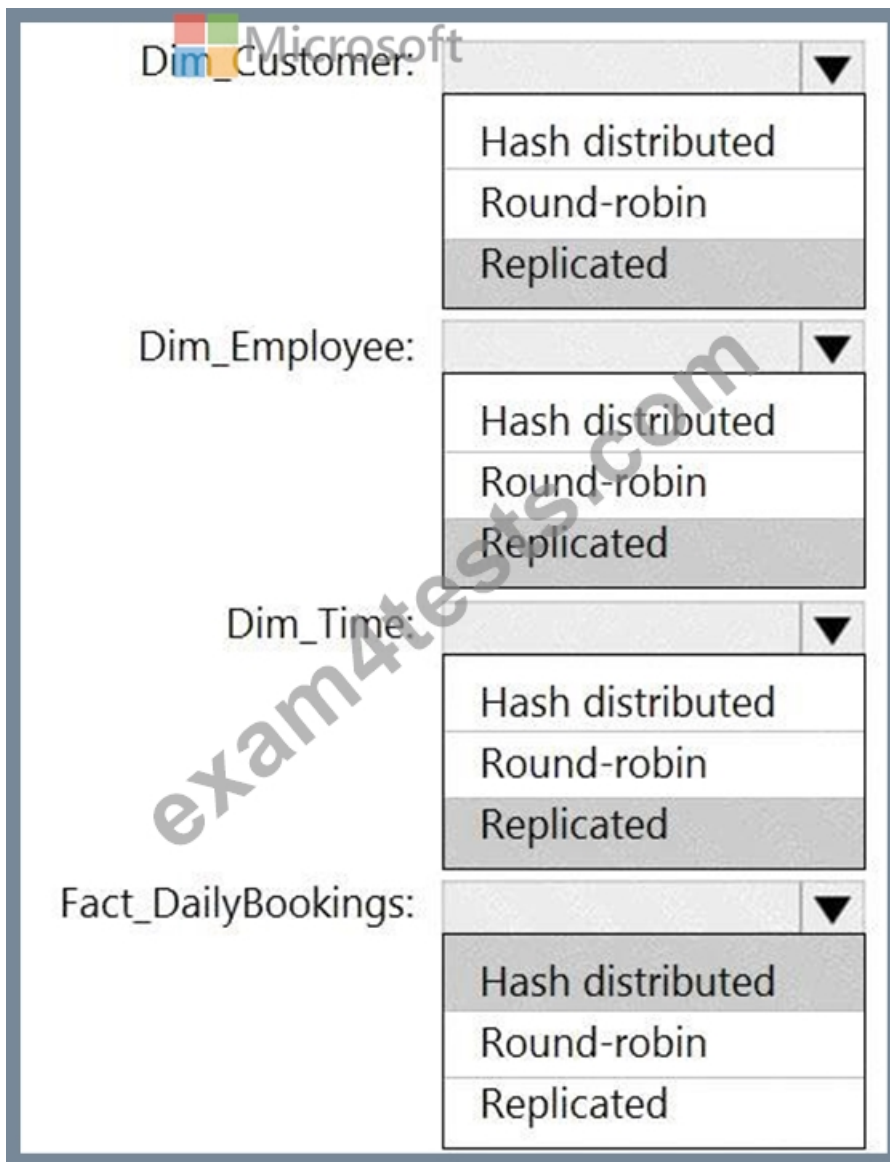
Fact_DailyBookings: 

Hash distributed

Round-robin

Replicated

Explanation:



NEW QUESTION # 82

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