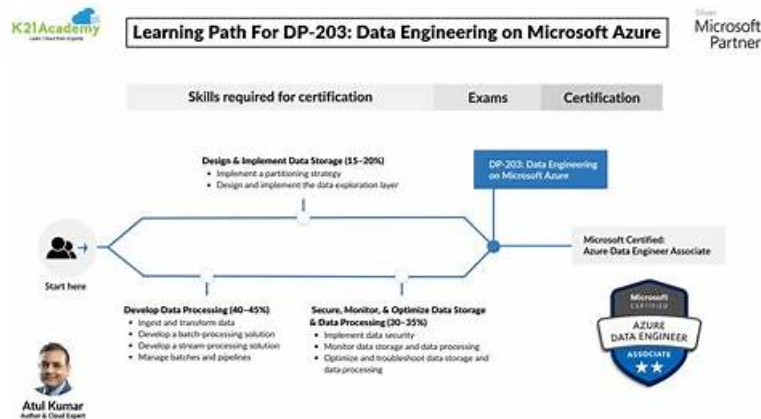


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Data engineering is a crucial field that involves the development, testing, and maintenance of architectures, algorithms, and systems for capturing, storing, processing, and analyzing data. The Microsoft DP-203 certification exam is designed to test the candidate's knowledge of data engineering concepts and tools, including Azure Data Factory, Azure Synapse Analytics, Azure Data Lake Storage, and Azure Stream Analytics. DP-203 Exam is essential for data engineers who want to advance their careers in the field and stay up-to-date with the latest Azure technologies.

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The Microsoft DP-203 exam is ideal for professionals who have experience working with Azure data services and are looking to enhance their skills and knowledge in the field of data engineering. Data Engineering on Microsoft Azure certification is also ideal for those who are looking to advance their career in the field of data engineering and want to demonstrate their expertise in designing and implementing data solutions on Microsoft Azure.

Familiarize yourself with the format of the Microsoft DP-203 Exam

Microsoft Data Platform (DP) is an exam for IT professionals who are responsible for designing and implementing data processing solutions that integrate with Microsoft platforms, applications, and services. Candidates prepare for this exam by taking the Microsoft Official Curriculum (MOC) course for the Azure Data Engineering on Microsoft Azure certification. The DP-203 Exam Tests your ability to design and implement data processing solutions on Azure in a cloud environment. You need to understand how to design and create data services with Azure Data Factory; how to create, manage and deploy data models using the Azure Data Catalog; and how to manage the lifecycle of a data solution using Azure Data Lake Analytics. **Microsoft DP-203 Dumps** Questions and Answers are prepared by experts and reviewed and approved by Microsoft. The test is based on the latest version of Microsoft Data Platform that includes SQL Server 2016, SQL Database, HDInsight, and Power BI. The questions test both

technical skills and business knowledge so you need to have a good understanding of both areas in order to pass the test.

Microsoft Data Engineering on Microsoft Azure Sample Questions (Q141-Q146):

NEW QUESTION # 141

You are designing an application that will store petabytes of medical imaging data. When the data is first created, the data will be accessed frequently during the first week. After one month, the data must be accessible within 30 seconds, but files will be accessed infrequently. After one year, the data will be accessed infrequently but must be accessible within five minutes.

You need to select a storage strategy for the data. The solution must minimize costs.

Which storage tier should you use for each time frame? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

First week:

Microsoft

Archive
Cool
Hot

After one month:

Archive
Cool
Hot

After one year:

Archive
Cool
Hot

Answer:

Explanation:

First week:

Archive
Cool
Hot

After one month:

Archive
Cool
Hot

After one year:

Archive
Cool
Hot

Microsoft

Explanation

Microsoft

First week:

Archive
Cool
Hot

After one month:

Archive
Cool
Hot

After one year:

Archive
Cool
Hot

First week: Hot

Hot - Optimized for storing data that is accessed frequently.

After one month: Cool

Cool - Optimized for storing data that is infrequently accessed and stored for at least 30 days.

After one year: Cool

NEW QUESTION # 142

You have an Azure Synapse Analytics dedicated SQL pool named Pool1 and an Azure Data Lake Storage Gen2 account named Account1.

You plan to access the files in Account1 by using an external table.

You need to create a data source in Pool1 that you can reference when you create the external table.

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.

```
CREATE EXTERNAL DATA SOURCE source1
WITH
  ( LOCATION = 'https://account1. .core.windows.net',
    PUSHDOWN = ON
    TYPE = BLOB_STORAGE
    TYPE = HADOOP
  )
```

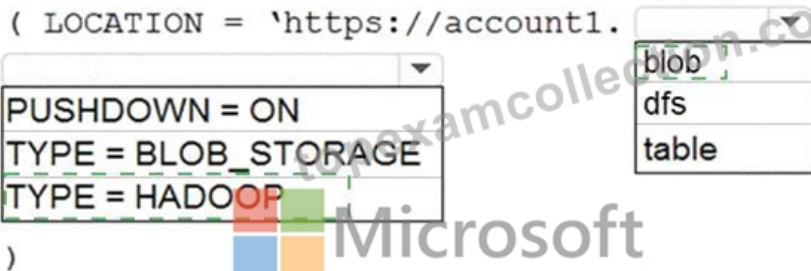
blob
dfs
table

Microsoft

Answer:

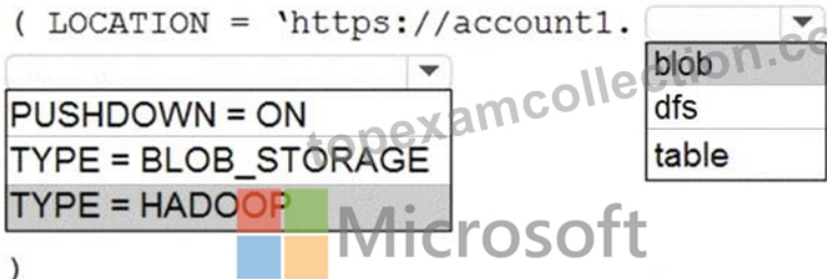
Explanation:

```
CREATE EXTERNAL DATA SOURCE source1
WITH
  ( LOCATION = 'https://account1.blob.core.windows.net',
    PUSHDOWN = ON
    TYPE = BLOB_STORAGE
    TYPE = HADOOP
  )
```



Explanation:

```
CREATE EXTERNAL DATA SOURCE source1
WITH
  ( LOCATION = 'https://account1.blob.core.windows.net',
    PUSHDOWN = ON
    TYPE = BLOB_STORAGE
    TYPE = HADOOP
  )
```



Box 1: blob

The following example creates an external data source for Azure Data Lake Gen2 CREATE EXTERNAL DATA SOURCE YellowTaxi WITH (LOCATION = 'https://azureopendatastorage.blob.core.windows.net/nyctlc/yellow/', TYPE = HADOOP) Box 2: HADOOP Reference:

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

NEW QUESTION # 143

You have an Azure subscription that contains a Microsoft Purview account.

You need to search the Microsoft Purview Data Catalog to identify assets that have an assetType property of Table or View Which query should you run?

- A. assetType IN ('Table', 'View')
- B. assetType - ('Table or view')
- C. assetType:Table OR assetType:View
- D. assetType:(Table OR View)

Answer: C

NEW QUESTION # 144

You have an Azure subscription that is linked to a hybrid Azure Active Directory (Azure AD) tenant. The subscription contains an Azure Synapse Analytics SQL pool named Pool1.

You need to recommend an authentication solution for Pool1. The solution must support multi-factor authentication (MFA) and database-level authentication.

Which authentication solution or solutions should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

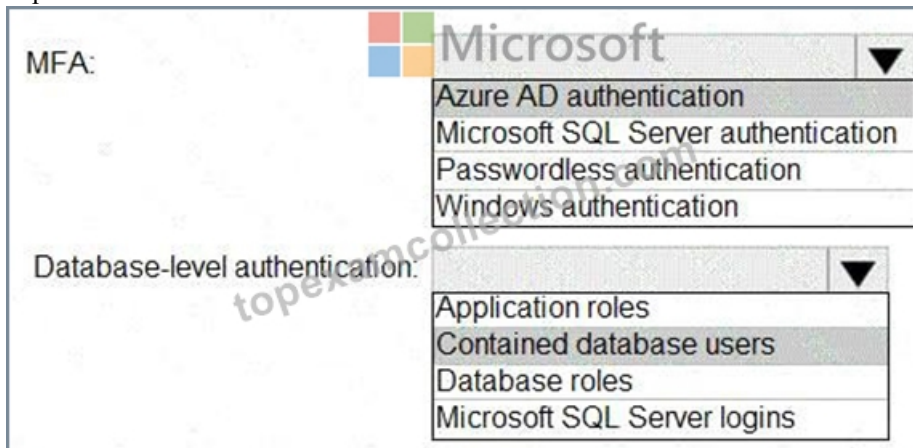


Answer:

Explanation:



Explanation:



Box 1: Azure AD authentication

Azure Active Directory authentication supports Multi-Factor authentication through Active Directory Universal Authentication.

Box 2: Contained database users

Azure Active Directory Uses contained database users to authenticate identities at the database level.

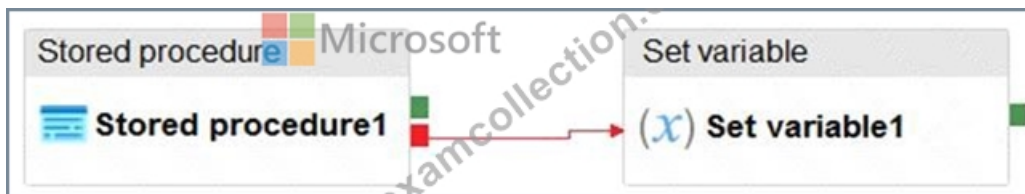
Reference:

<https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouse-authentication>

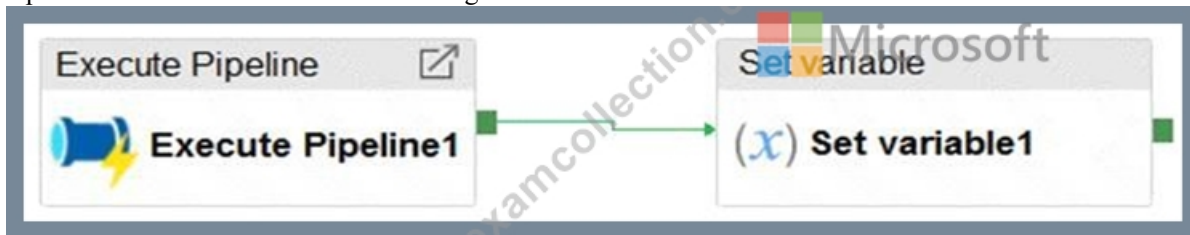
NEW QUESTION # 145

You have an Azure Data Factory instance that contains two pipelines named Pipeline1 and Pipeline2.

Pipeline1 has the activities shown in the following exhibit.



Pipeline2 has the activities shown in the following exhibit.



You execute Pipeline2, and Stored procedure1 in Pipeline1 fails.
What is the status of the pipeline runs?

- A. Pipeline1 and Pipeline2 succeeded.
- B. Pipeline1 failed and Pipeline2 succeeded.
- C. Pipeline1 succeeded and Pipeline2 failed.
- D. Pipeline1 and Pipeline2 failed.

Answer: A

Explanation:

Explanation

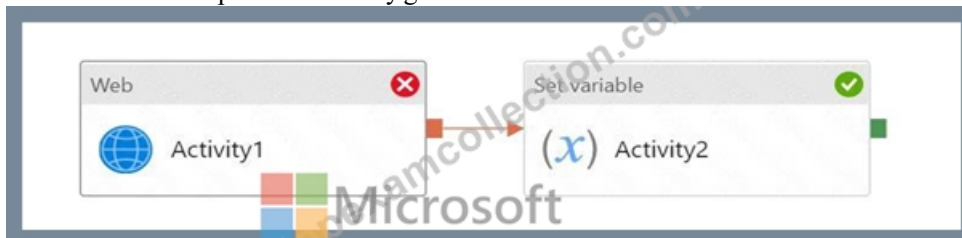
Activities are linked together via dependencies. A dependency has a condition of one of the following:
Succeeded, Failed, Skipped, or Completed.

Consider Pipeline1:

If we have a pipeline with two activities where Activity2 has a failure dependency on Activity1, the pipeline will not fail just because Activity1 failed. If Activity1 fails and Activity2 succeeds, the pipeline will succeed.

This scenario is treated as a try-catch block by Data Factory.

Waterfall chart Description automatically generated with medium confidence



The failure dependency means this pipeline reports success.

Note:

If we have a pipeline containing Activity1 and Activity2, and Activity2 has a success dependency on Activity1, it will only execute if Activity1 is successful. In this scenario, if Activity1 fails, the pipeline will fail.

Reference:

<https://datasavvy.me/category/azure-data-factory/>

NEW QUESTION # 146

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motionentrance.edu.np, Disposable vapes

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