Quiz 2025 The Best Microsoft DP-203: Data Engineering on Microsoft Azure Detailed Answers

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If you are looking to start a career in data engineering or want to advance your skills in the field, the Microsoft DP-203 (Data Engineering on Microsoft Azure) certification is a great place to start. DP-203 exam is designed to test your skills and knowledge in the areas of data processing, data storage, and data transformation using Microsoft Azure technologies. It is an excellent way to showcase your expertise in data engineering and prove your ability to design and implement data solutions on the Azure platform.

Microsoft DP-203 (Data Engineering on Microsoft Azure) Exam is a certification exam designed to test the skills and knowledge of data engineers who work with Microsoft Azure. DP-203 exam is intended for professionals who work with data engineering and are interested in using Azure technologies to build and manage data solutions. The DP-203 exam is designed to assess the candidate's ability to design, implement, and maintain data pipelines, data storage, data processing, and data security in Azure.

>> DP-203 Detailed Answers <<

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Microsoft DP-203 (Data Engineering on Microsoft Azure) exam is designed to assess the skills and knowledge of data professionals who work on the Azure platform. Data Engineering on Microsoft Azure certification exam is one of the most widely recognized and respected credentials in the field of data engineering. Passing DP-203 Exam demonstrates that an individual has a thorough understanding of the tools and technologies used for data engineering on Microsoft Azure.

Microsoft Data Engineering on Microsoft Azure Sample Questions (Q36-Q41):

NEW QUESTION # 36
You have an Azure subscription that contains an Azure Data Lake Storage Gen2 account named storage1.
Storage1 contains a container named container1. Container1 contains a directory named directory1. Directory1 contains a file named file1.

You have an Azure Active Directory (Azure AD) user named User1 that is assigned the Storage Blob Data Reader role for storage1.
You need to ensure that User1 can append data to file1. The solution must use the principle of least privilege.
Which permissions should you grant? To answer, drag the appropriate permissions to the correct resources.
Each permission 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.

Permissions

Read

Write

Execute

Answer Area

container1: Permission

directory1: Permission

file1: Permission

Answer:

Explanation:

Permissions

Read

Write

Execute

Answer Area

container1: Execute

directory1: Execute

file1: Write

Explanation
Box 1: Execute
If you are granting permissions by using only ACLs (no Azure RBAC), then to grant a security principal read or write access to a file, you'll need to give the security principal Execute permissions to the root folder of the container, and to each folder in the hierarchy of folders that lead to the file.
Box 2: Execute
On Directory: Execute (X): Required to traverse the child items of a directory Box 3: Write On file: Write (W): Can write or append to a file.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/data-lake-storage-access-control

NEW QUESTION # 37
You have an Azure subscription that contains a logical Microsoft SQL server named Server1. Server1 hosts an Azure Synapse Analytics SQL dedicated pool named Pool1.
You need to recommend a Transparent Data Encryption (TDE) solution for Server1. The solution must meet the following

requirements:

Track the usage of encryption keys.

Maintain the access of client apps to Pool1 in the event of an Azure datacenter outage that affects the availability of the encryption keys.

What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

To track encryption key usage:

| Always Encrypted |
| TDE with customer-managed keys |
| TDE with platform-managed keys |

To maintain client app access in the event of a datacenter outage:

| Create and configure Azure key vaults in two Azure regions. |
| Enable Advanced Data Security on Server1. |
| Implement the client apps by using a Microsoft .NET Framework data provider. |

Answer:

Explanation:

To track encryption key usage:

| Always Encrypted |
| **TDE with customer-managed keys** |
| TDE with platform-managed keys |

To maintain client app access in the event of a datacenter outage:

| **Create and configure Azure key vaults in two Azure regions.** |
| Enable Advanced Data Security on Server1. |
| Implement the client apps by using a Microsoft .NET Framework data provider. |

Reference:

https://docs.microsoft.com/en-us/azure/synapse-analytics/security/workspaces-encryption
https://docs.microsoft.com/en-us/azure/key-vault/general/logging

NEW QUESTION # 38

You have an Azure subscription that contains an Azure Synapse Analytics workspace named workspace1.

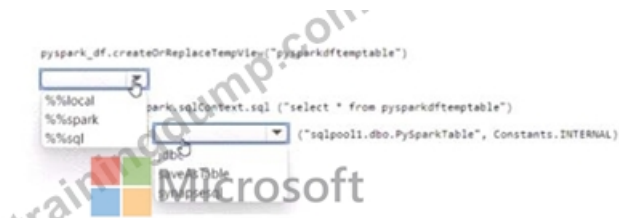Workspace1 contains a dedicated SQL pool named SQL Pool and an Apache Spark pool named sparkpool.

Sparkpool1 contains a DataFrame named pyspark.df.

You need to write the contents of pyspark_df to a tabte in SQLPooM by using a PySpark notebook.

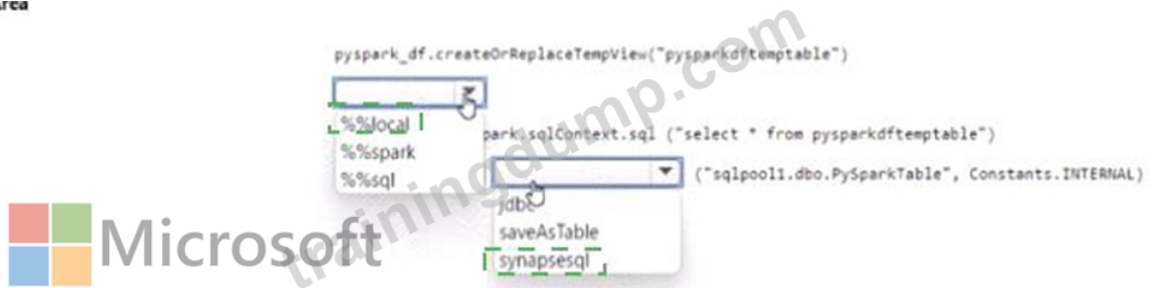How should you complete the code? To answer, select the appropriate options in the answer area.

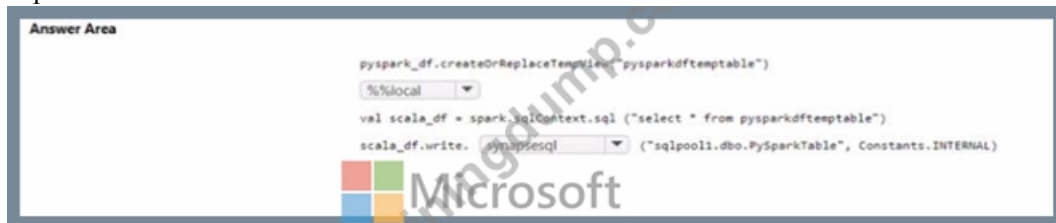NOTE: Each correct selection is worth one point.

Answer Area

pyspark_df.createOrReplaceTempView("pysparkdftemptable")

| %%local ▼ |

%%local
%%spark
%%sql

park.sqlContext.sql ("select * from pysparkdftemptable")

[▼] ("sqlpool1.dbo.PySparkTable", Constants.INTERNAL)

jdbc
saveAsTable
synapsesql

Answer:

Explanation:

Answer Area

pyspark_df.createOrReplaceTempView("pysparkdftemptable")

| %%local |

%%local
%%spark
%%sql

park.sqlContext.sql ("select * from pysparkdftemptable")

[▼] ("sqlpool1.dbo.PySparkTable", Constants.INTERNAL)

jdbc
saveAsTable
synapsesql

Explanation:

Answer Area

pyspark_df.createOrReplaceTempView("pysparkdftemptable")

| %%local ▼ |

val scala_df = spark.sqlContext.sql ("select * from pysparkdftemptable")

scala_df.write. [synapsesql ▼] ("sqlpool1.dbo.PySparkTable", Constants.INTERNAL)

NEW QUESTION # 39

You are building an Azure Stream Analytics job that queries reference data from a product catalog file. The file is updated daily. The reference data input details for the file are shown in the Input exhibit. (Click the Input tab.)

Input Details

products

🖊 Test 🗑 Delete

Container

◯ Create new ⦿ Use existing

refdata

Path pattern ⓘ

product.csv

Date format

YYYY/MM/DD ⌄

Time format

HH ⌄

Event serialization format * ⓘ

CSV ⌄

Delimiter ⓘ

comma (,) ⌄

Encoding ⓘ

UTF-8 ⌄

Save

ⓘ If the chosen resource and the
   stream analytics job are located in
   different regions, you will be billed
   to move data between regions.

The storage account container view is shown in the Refdata exhibit. (Click the Refdata tab.)

refdata
Container

🔍 Search (Ctrl + /) «

Overview
Access Control (IAM)

Settings

Access policy
Properties
Metadata

⬆ Upload + Add Directory ⟳ Refresh ⌐ Rename 🗑 Delete

Authentication method: Access key (Switch to Azure AD User Account)
Location: refdata / 2020-03-20

Search blobs by prefix (case-sensitive)

Name

☐ 📁 [..]
☐ 📄 product.csv

You need to configure the Stream Analytics job to pick up the new reference data.

What should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Path pattern:
```
[ ■■ Microsoft ▼ ]
  {date}/product.csv
  {date}/{time}/product.csv
  product.csv
  */product.csv
```

Date format:
```
[                ▼ ]
  MM/DD/YYYY
  YYYY/MM/DD
  YYYY-DD-MM
  YYYY-MM-DD
```

Answer:

Explanation:

Path pattern: ▼

{date}/product.csv

{date}/{time}/product.csv

product.csv

*/product.csv

Date format: ▼

MM/DD/YYYY

YYYY/MM/DD

YYYY-DD-MM

YYYY-MM-DD

Reference:

https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-use-reference-data

NEW QUESTION # 40

You have a C# application that process data from an Azure IoT hub and performs complex transformations.

You need to replace the application with a real-time solution. The solution must reuse as much code as possible from the existing application.

- A. Azure Data Factory
- B. Azure Stream Analytics
- C. Azure Databricks
- D. Azure Event Grid

Answer: B

Explanation:

Azure Stream Analytics on IoT Edge empowers developers to deploy near-real-time analytical intelligence closer to IoT devices so that they can unlock the full value of device-generated data. UDF are available in C# for IoT Edge jobs Azure Stream Analytics on IoT Edge runs within the Azure IoT Edge framework. Once the job is created in Stream Analytics, you can deploy and manage it using IoT Hub.

References:

https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-edge

NEW QUESTION # 41

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