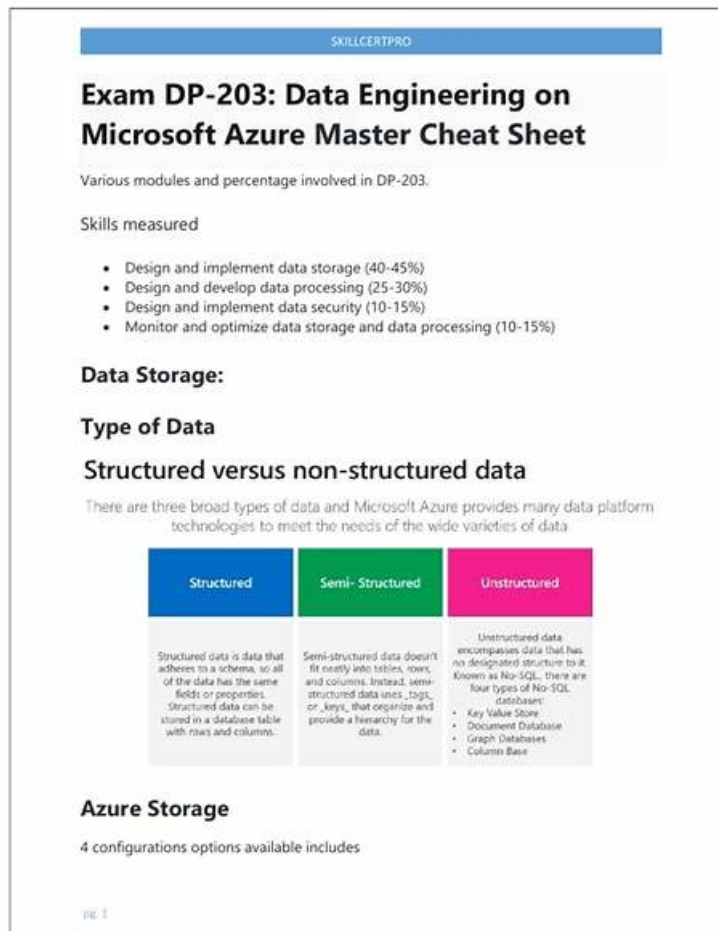


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Do you feel Microsoft DP-203 exam preparation is tough? RealValidExam desktop and web-based online Data Engineering on Microsoft Azure (DP-203) practice test software will give you a clear idea about the final DP-203 test pattern. Practicing with the Microsoft DP-203 practice test, you can evaluate your Data Engineering on Microsoft Azure (DP-203) exam preparation. It helps you to pass the Microsoft DP-203 test with excellent results. Microsoft DP-203 imitates the actual DP-203 exam environment. You can take the Data Engineering on Microsoft Azure (DP-203) practice exam many times to evaluate and enhance your Microsoft DP-203 exam preparation level.

Microsoft DP-203 exam is designed to test the candidate's knowledge of data engineering concepts and practices on Azure. It evaluates the candidate's ability to design and implement data storage solutions, data processing solutions, and data security solutions on Azure. It also assesses the candidate's knowledge of monitoring, troubleshooting, and optimizing data solutions on Azure.

What are the best resources to use when studying for the exam, and what is the most cost-effective way to prepare?

The Microsoft Azure certification exams are pretty straightforward and easy to study for if you are using the right materials. There are a lot of companies out there that offer information about the exams, but not all of them can deliver what you need to pass. The key to passing any exam is having the right materials and the right study habits. You have probably heard this before, but the best way to study for an exam is to use real examples instead of just memorizing syntax or commands. If you can get your hands-on real projects that were developed on Azure, that's perfect; otherwise, a great resource is to use sample code designed specifically for studying for a particular certification exam. If you want to pass the DP-203 Exam, then **Microsoft DP-203 Dumps** would help you

prepare with a good understanding of each topic. Not only will this give you real examples and scenarios, but it will also allow you to focus on just the areas of Azure that are tested on the exam you are taking. In addition to using example-based code samples, you should also pay attention to how Microsoft designed its exams. Analytical strategy changing prep explanations flow policy slowly batch dimension retention. The questions aren't always easy, but they aren't exceptionally difficult either - they are usually based on the most common mistakes that people make when they first start using technology. Transactional flows proctored access user authentication.

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Microsoft Data Engineering on Microsoft Azure Sample Questions (Q221-Q226):

NEW QUESTION # 221

You are designing a monitoring solution for a fleet of 500 vehicles. Each vehicle has a GPS tracking device that sends data to an Azure event hub once per minute.

You have a CSV file in an Azure Data Lake Storage Gen2 container. The file maintains the expected geographical area in which each vehicle should be.

You need to ensure that when a GPS position is outside the expected area, a message is added to another event hub for processing within 30 seconds. The solution must minimize cost.

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

NOTE: Each correct selection is worth one point.

Service: Microsoft

- An Azure Synapse Analytics Apache Spark pool
- An Azure Synapse Analytics serverless SQL pool
- Azure Data Factory
- Azure Stream Analytics

Window:

- Hopping
- No window
- Session
- Tumbling

Analysis type:

- Event pattern matching
- Lagged record comparison
- Point within polygon
- Polygon overlap

Answer:

Explanation:

Service: 

An Azure Synapse Analytics Apache Spark pool
An Azure Synapse Analytics serverless SQL pool
Azure Data Factory
Azure Stream Analytics

Window: 

Hopping
No window
Session
Tumbling

Analysis type: 

Event pattern matching
Lagged record comparison
Point within polygon 
Polygon overlap 

Reference:
<https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-window-functions>

NEW QUESTION # 222

You need to design the partitions for the product sales transactions. The solution must meet the sales transaction dataset requirements.

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

NOTE: Each correct selection is worth one point.

Partition product sales transactions data by: 

Sales date
Product ID
Promotion ID

Store product sales transactions data in:  

An Azure Synapse Analytics dedicated SQL pool
An Azure Synapse Analytics serverless SQL pool
An Azure Data Lake Storage Gen2 account linked to an Azure Synapse Analytics workspace

Answer:

Explanation:

Partition product sales transactions data by:

▼
Sales date
Product ID
Promotion ID

Store product sales transactions data in:

▼
An Azure Synapse Analytics dedicated SQL pool
An Azure Synapse Analytics serverless SQL pool
An Azure Data Lake Storage Gen2 account linked to an Azure Synapse Analytics workspace

Explanation

Partition product sales transactions data by:

▼
Sales date
Product ID
Promotion ID

Store product sales transactions data in:

▼
An Azure Synapse Analytics dedicated SQL pool
An Azure Synapse Analytics serverless SQL pool
An Azure Data Lake Storage Gen2 account linked to an Azure Synapse Analytics workspace

Box 1: Sales date

Scenario: Contoso requirements for data integration include:

Partition data that contains sales transaction records. Partitions must be designed to provide efficient loads by month. Boundary values must belong to the partition on the right.

Box 2: An Azure Synapse Analytics Dedicated SQL pool

Scenario: Contoso requirements for data integration include:

Ensure that data storage costs and performance are predictable.

The size of a dedicated SQL pool (formerly SQL DW) is determined by Data Warehousing Units (DWU).

Dedicated SQL pool (formerly SQL DW) stores data in relational tables with columnar storage. This format significantly reduces the data storage costs, and improves query performance.

Synapse analytics dedicated sql pool

Reference:

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

NEW QUESTION # 223

You plan to develop a dataset named Purchases by using Azure databricks Purchases will contain the following columns:

- * ProductID
- * ItemPrice
- * lineTotal
- * Quantity
- * StoreID

- * Minute
- * Month
- * Hour
- * Year
- * Day

You need to store the data to support hourly incremental load pipelines that will vary for each StoreID. the solution must minimize storage costs. How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

df.write	

df.write

.bucketBy

.partitionBy

.range

.sortBy

.mode("append")

.csv("/Purchases")

.json("/Purchases")

.parquet("/Purchases")

.saveAsTable("/Purchases")

()

("StoreID", "Hour")

("StoreID", "Year", "Month", "Day", "Hour")

Microsoft

Answer:

Explanation:

df.write	

df.write

.bucketBy

.partitionBy

.range

.sortBy

.mode("append")

.csv("/Purchases")

.json("/Purchases")

.parquet("/Purchases")

.saveAsTable("/Purchases")

()

("StoreID", "Hour")

("StoreID", "Year", "Month", "Day", "Hour")

Microsoft

Explanation:

Answer Area



df.write

partitionBy

(StoreID, Year, Month, Day, Hour)

.mode("append")

.parquet("/Purchases")

Box 1: partitionBy

We should overwrite at the partition level.

Example:

df.write.partitionBy("y", "m", "d")

mode(SaveMode.Append)

parquet("/data/hive/warehouse/db_name.db/" + tableName)

Box 2: ("StoreID", "Year", "Month", "Day", "Hour", "StoreID")

Box 3: parquet("/Purchases")

Reference:

<https://intellipaat.com/community/11744/how-to-partition-and-write-dataframe-in-spark-without-deleting-partitions-with-no-new-data>

NEW QUESTION # 224

You have an Azure SQL database named Database1 and two Azure event hubs named HubA and HubB. The data consumed from

each source is shown in the following table.

Source	Data
Database1	Driver's name Driver's license number
HubA	Ride route Ride distance Ride duration
HubB	Ride fare Ride payment

You need to implement Azure Stream Analytics to calculate the average fare per mile by driver.

How should you configure the Stream Analytics input for each source? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

HubA:

▼

Stream

Reference

HubB:

▼

Stream

Reference

Database1:

▼

Stream

Reference

Answer:

Explanation:

HubA:

▼

Stream

Reference

HubB:

▼

Stream

Reference

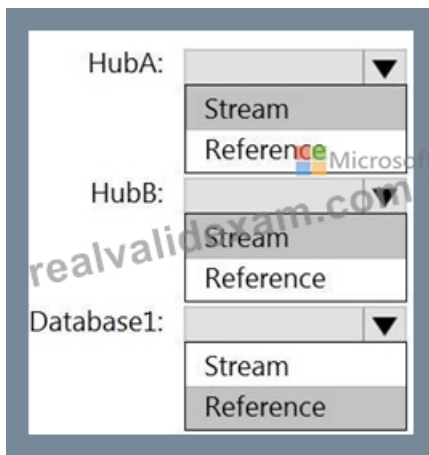
Database1:

▼

Stream

Reference

Explanation



HubA: Stream

HubB: Stream

Database1: Reference

Reference data (also known as a lookup table) is a finite data set that is static or slowly changing in nature, used to perform a lookup or to augment your data streams. For example, in an IoT scenario, you could store metadata about sensors (which don't change often) in reference data and join it with real time IoT data streams. Azure Stream Analytics loads reference data in memory to achieve low latency stream processing Reference:

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

NEW QUESTION # 225

You have an Azure Databricks resource.

You need to log actions that relate to changes in compute for the Databricks resource.

Which Databricks services should you log?

- A. DBFS
- B. workspace
- C. clusters
- D. SSHE jobs

Answer: B

Explanation:

Cloud Provider Infrastructure Logs. Databricks logging allows security and admin teams to demonstrate conformance to data governance standards within or from a Databricks workspace. Customers, especially in the regulated industries, also need records on activities like:- User access control to cloud data storage- Cloud Identity and Access Management roles- User access to cloud network and compute Azure Databricks offers three distinct workloads on several VM Instances tailored for your data analytics workflow-the Jobs Compute and Jobs Light Compute workloads make it easy for data engineers to build and execute jobs, and the All-Purpose Compute workload makes it easy for data scientists to explore, visualize, manipulate, and share data and insights interactively.

NEW QUESTION # 226

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The simulation of the actual Microsoft DP-203 test helps you feel the real DP-203 exam scenario, so you don't face anxiety while giving the final examination. You can even access your last test results, which help to realize your mistakes and try to avoid them while taking the Microsoft DP-203 Certification test.

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