

DP-203 Exam Reference - Pass Guaranteed Quiz 2026

First-grade Microsoft Certification DP-203 Cost



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Microsoft DP-203 certification exam is designed to test your skills and knowledge in data engineering on the Microsoft Azure platform. Data Engineering on Microsoft Azure certification is ideal for data engineers who want to leverage Azure data services to design and implement scalable data solutions. DP-203 exam measures your ability to design and implement data storage solutions, manage data processing, and monitor and optimize data solutions.

Microsoft DP-203 Exam is a great way for professionals to enhance their skills and knowledge in data engineering on Azure. It is also a valuable certification for those who want to stand out in the job market and increase their chances of getting hired by top companies. With the growing demand for data engineers in today's digital age, obtaining this certification can open up new career opportunities for individuals.

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Microsoft DP-203 exam is an essential certification for individuals interested in pursuing a career in data engineering on the Microsoft Azure platform. DP-203 exam covers a wide range of topics that are critical for data engineers working on Azure. DP-203 Exam is recognized globally and is a standard for measuring an individual's expertise in Microsoft Azure data engineering.

Microsoft Data Engineering on Microsoft Azure Sample Questions (Q107-Q112):

NEW QUESTION # 107

You have an Azure subscription that contains the resources shown in the following table.

Diagnostic logs from ADF1 are sent to LA1. ADF1 contains a pipeline named Pipeline that copies data from DB1 to Dwl. You need to perform the following actions:

- * Create an action group named AG1.
- * Configure an alert in ADF1 to use AG1.

In which resource group should you create AG1?

- A. RG3
- B. RG4
- C. RG2
- D. RG1

Answer: A

NEW QUESTION # 108

You have an Apache Spark DataFrame named temperatures. A sample of the data is shown in the following table.

You need to produce the following table by using a Spark SQL query.

How should you complete the query? 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.

Answer:

Explanation:

Explanation:

Text Description automatically generated

Box 1: PIVOT

PIVOT rotates a table-valued expression by turning the unique values from one column in the expression into multiple columns in the output. And PIVOT runs aggregations where they're required on any remaining column values that are wanted in the final output.

Reference:

<https://learnsql.com/cookbook/how-to-convert-an-integer-to-a-decimal-in-sql-server/>

<https://docs.microsoft.com/en-us/sql/t-sql/queries/from-using-pivot-and-unpivot>

NEW QUESTION # 109

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are designing an Azure Stream Analytics solution that will analyze Twitter data.

You need to count the tweets in each 10-second window. The solution must ensure that each tweet is counted only once.

Solution: You use a hopping window that uses a hop size of 5 seconds and a window size 10 seconds.

Does this meet the goal?

- A. No
- B. Yes

Answer: A

Explanation:

Instead use a tumbling window. Tumbling windows are a series of fixed-sized, non-overlapping and contiguous time intervals.

Reference:

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

NEW QUESTION # 110

You need to build a solution to ensure that users can query specific files in an Azure Data Lake Storage Gen2 account from an Azure Synapse Analytics serverless SQL pool.

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: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Answer:

Explanation:

Explanation:

Step 1: Create an external data source

You can create external tables in Synapse SQL pools via the following steps:

* CREATE EXTERNAL DATA SOURCE to reference an external Azure storage and specify the credential that should be used to access the storage.

* CREATE EXTERNAL FILE FORMAT to describe format of CSV or Parquet files.

* CREATE EXTERNAL TABLE on top of the files placed on the data source with the same file format.

Step 2: Create an external file format object

Creating an external file format is a prerequisite for creating an external table.

Step 3: Create an external table

Reference:

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

NEW QUESTION # 111

You have an Azure Synapse Analytics dedicated SQL pool.

You need to create a table named FactInternetSales that will be a large fact table in a dimensional model.

FactInternetSales will contain 100 million rows and two columns named SalesAmount and OrderQuantity.

Queries executed on FactInternetSales will aggregate the values in SalesAmount and OrderQuantity from the last year for a specific product. The solution must minimize the data size and query execution time.

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:

Explanation:

Explanation:

Box 1: (CLUSTERED COLUMNSTORE INDEX

CLUSTERED COLUMNSTORE INDEX

Columnstore indexes are the standard for storing and querying large data warehousing fact tables. This index uses column-based data storage and query processing to achieve gains up to 10 times the query performance in your data warehouse over traditional row-oriented storage. You can also achieve gains up to 10 times the data compression over the uncompressed data size. Beginning with SQL Server 2016 (13.x) SP1, columnstore indexes enable operational analytics: the ability to run performant real-time analytics on a transactional workload.

Note: Clustered columnstore index

A clustered columnstore index is the physical storage for the entire table.

Diagram Description automatically generated

To reduce fragmentation of the column segments and improve performance, the columnstore index might store some data temporarily into a clustered index called a deltastore and a B-tree list of IDs for deleted rows. The deltastore operations are handled behind the scenes. To return the correct query results, the clustered columnstore index combines query results from both the columnstore and the deltastore.

Box 2: HASH([ProductKey])

A hash distributed table distributes rows based on the value in the distribution column. A hash distributed table is designed to achieve high performance for queries on large tables.

Choose a distribution column with data that distributes evenly

Reference: <https://docs.microsoft.com/en-us/sql/relational-databases/indexes/columnstore-indexes-overview>

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

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

NEW QUESTION # 112

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