

DP-600 New Braindumps Sheet, Study DP-600 Dumps

Q DP-600	
<p>You want to use Apache Spark to explore data interactively in Microsoft Fabric. What should you create?</p> <p>A. Spark job definition. B. Data Factory pipeline. C. Notebook.</p>	Notebook
<p>You need to use Spark to analyze data in a CSV file. What's the simplest way to accomplish this goal?</p> <p>A. Load the file into a dataframe. B. Import the data into a table in a warehouse C. Convert the data to Parquet format.</p>	Load the file into a dataframe.
<p>Which method is used to split the data across folders when saving a dataframe?</p> <p>A. splitBy B. distributeBy C. partitionBy</p>	partitionBy
<p>Fill in the blank: "For each table, the lakehouse stores a folder containing Parquet data files and a (...) folder in which transaction details are logged in JSON format".</p> <p>A. _delta_Log B. log C. parquet</p>	_delta_Log
<p>What is atomicity in ACID transactions?</p> <p>A. transactions leave the database in a consistent state B. transactions complete as a single unit of work C. in-process transactions can't interfere with one another D. when a transaction completes, the changes it made are persisted</p>	transactions complete as a single unit of work
<p>What is consistency in ACID transactions?</p> <p>A. transactions leave the database in a consistent state B. transactions complete as a single unit of work C. in-process transactions can't interfere with one another D. when a transaction completes, the changes it made are persisted</p>	transactions leave the database in a consistent state
<p>What is durability in ACID transactions?</p> <p>A. when a transaction completes, the changes it made are persisted B. transactions complete as a single unit of work C. in-process transactions can't interfere with one another D. transactions leave the database in a consistent state</p>	when a transaction completes, the changes it made are persisted
<p>What is isolation in ACID transactions?</p> <p>A. when a transaction completes, the changes it made are persisted B. transactions complete as a single unit of work C. in-process transactions can't interfere with one another D. transactions leave the database in a consistent state</p>	in-process transactions can't interfere with one another
<p>Fill in the blank: "Dataframe that's saved as a (...) table means that the table definition in the metastore and the underlying data files are both managed by the Spark runtime for the Fabric lakehouse. Deleting the table will also delete the underlying files from the Tables storage location for the lakehouse".</p>	managed

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Microsoft DP-600 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> • Implement and manage semantic models: This section of the exam measures the skills of architects and focuses on designing and optimizing semantic models to support enterprise-scale analytics. It evaluates understanding of storage modes and implementing star schemas and complex relationships, such as bridge tables and many-to-many joins. Architects must write DAX-based calculations using variables, iterators, and filtering techniques. The use of calculation groups, dynamic format strings, and field parameters is included. The section also includes configuring large semantic models and designing composite models. For optimization, candidates are expected to improve report visual and DAX performance, configure Direct Lake behaviors, and implement incremental refresh strategies effectively.
Topic 2	<ul style="list-style-type: none"> • Prepare data: This section of the exam measures the skills of engineers and covers essential data preparation tasks. It includes establishing data connections and discovering sources through tools like the OneLake data hub and the real-time hub. Candidates must demonstrate knowledge of selecting the appropriate storage type—lakehouse, warehouse, or eventhouse—depending on the use case. It also includes implementing OneLake integrations with Eventhouse and semantic models. The transformation part involves creating views, stored procedures, and functions, as well as enriching, merging, denormalizing, and aggregating data. Engineers are also expected to handle data quality issues like duplicates, missing values, and nulls, along with converting data types and filtering. Furthermore, querying and analyzing data using tools like SQL, KQL, and the Visual Query Editor is tested in this domain.
Topic 3	<ul style="list-style-type: none"> • Maintain a data analytics solution: This section of the exam measures the skills of administrators and covers tasks related to enforcing security and managing the Power BI environment. It involves setting up access controls at both workspace and item levels, ensuring appropriate permissions for users and groups. Row-level, column-level, object-level, and file-level access controls are also included, alongside the application of sensitivity labels to classify data securely. This section also tests the ability to endorse Power BI items for organizational use and oversee the complete development lifecycle of analytics assets by configuring version control, managing Power BI Desktop projects, setting up deployment pipelines, assessing downstream impacts from various data assets, and handling semantic model deployments using XMLA endpoint. Reusable asset management is also a part of this domain.

Microsoft Implementing Analytics Solutions Using Microsoft Fabric Sample Questions (Q120-Q125):

NEW QUESTION # 120

What should you recommend using to ingest the customer data into the data store in the AnalyticsPOC workspace?

- A. a pipeline that contains a KQL activity
- B. a Spark notebook
- C. a stored procedure
- **D. a dataflow**

Answer: D

Explanation:

For ingesting customer data into the data store in the AnalyticsPOC workspace, a dataflow (D) should be recommended. Dataflows are designed within the Power BI service to ingest, cleanse, transform, and load data into the Power BI environment. They allow for the low-code ingestion and transformation of data as needed by Litware's technical requirements. References = You can learn more about dataflows and their use in Power BI environments in Microsoft's Power BI documentation.

NEW QUESTION # 121

You have a Fabric tenant named Tenant1 that contains a lakehouse named Lakehouse1.

You need to add data to Lakehouse1 from a CSV file in an Azure Storage account outside of Fabric. The solution must minimize development effort.

What should you use to add the data?

- **A. a shortcut**

- B. a copy job
- C. a Dataflow Gen2
- D. a pipeline

Answer: A

Explanation:

Comprehensive Detailed Explanation

Requirement

Tenant: Fabric tenant Tenant1

Data target: Lakehouse1

Data source: CSV file in an Azure Storage account (outside of Fabric)

Requirement: Minimize development effort

Step 1: Understand options

A). Dataflow Gen2

Used for ETL (transformations, cleansing, ingestion).

More effort because you need to build Power Query transformations.

Not minimal effort for simply exposing a file.

B). Shortcut

Fabric supports creating shortcuts to external data sources (OneLake, ADLS Gen2, Azure Blob, Dataverse, etc.).

Shortcut directly exposes external files/tables inside the lakehouse without copying or moving data.

This is the lowest-effort solution to access external CSV.

C). Copy job

Pipelines have a copy activity to physically copy data into Fabric.

Requires setup and execution. More development effort than a shortcut.

D). Pipeline

Used for orchestrating complex ETL workflows.

Overhead for this scenario.

Step 2: Correct Answer

Since the goal is simply to access a CSV in external storage with minimal development effort, the right solution is:

B). a shortcut

References

Shortcuts in Microsoft Fabric OneLake

Dataflow Gen2 overview

NEW QUESTION # 122

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 have a Fabric tenant that contains a semantic model named Modell.

You discover that the following query performs slowly against Modell.

You need to reduce the execution time of the query.

Solution: You replace line 4 by using the following code:

```
CALCULATE ( COUNTROWS ( 'Order Item' ) ) >= 0
```

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

By adding the = the only thing we achieve is changing the logic, not the performance.

NEW QUESTION # 123

You have an Azure Data Lake Storage Gen2 account named storage1 that contains a Parquet file named sales.

parquet.

You have a Fabric tenant that contains a workspace named Workspace1.

Using a notebook in Workspace1, you need to load the content of the file to the default lakehouse. The solution must ensure that the content will display automatically as a table named Sales in Lakehouse explorer.

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:

NEW QUESTION # 124

You are implementing two dimension tables named Customers and Products in a Fabric warehouse.

You need to use slowly changing dimension (SCD) to manage the versioning of data. The solution must meet the requirements shown in the following table.

Which type of SCD should you use for each table? To answer, drag the appropriate SCD types to the correct tables. Each SCD type 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:

For the Customers table, where the requirement is to create a new version of the row, you would use:

Type 2 SCD: This type allows for the creation of a new record each time a change occurs, preserving the history of changes over time.

For the Products table, where the requirement is to overwrite the existing value in the latest row, you would use:

Type 1 SCD: This type updates the record directly, without preserving historical data.

NEW QUESTION # 125

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