



Microsoft

Exam Questions DP-700

Implementing Data Engineering Solutions Using Microsoft Fabric (beta)

NEW QUESTION 1

- (Topic 1)

You need to populate the MAR1 data in the bronze layer.

Which two types of activities should you include in the pipeline? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. ForEach
- B. Copy data
- C. WebHook
- D. Stored procedure

Answer: AB

Explanation:

MAR1 has seven entities, each accessible via a different API endpoint. A ForEach activity is required to iterate over these endpoints to fetch data from each one. It enables dynamic execution of API calls for each entity.

The Copy data activity is the primary mechanism to extract data from REST APIs and load it into the bronze layer in Delta format. It supports native connectors for REST APIs and Delta, minimizing development effort.

You need to schedule the population of the medallion layers to meet the technical requirements.

What should you do?

- * A. Schedule a data pipeline that calls other data pipelines.
- * B. Schedule a notebook.
- * C. Schedule an Apache Spark job.
- * D. Schedule multiple data pipelines.

* Answer: A

The technical requirements specify that:

Medallion layers must be fully populated sequentially (bronze silver gold). Each layer must be populated before the next.

If any step fails, the process must notify the data engineers. Data imports should run simultaneously when possible.

Why Use a Data Pipeline That Calls Other Data Pipelines?

A data pipeline provides a modular and reusable approach to orchestrating the sequential population of medallion layers.

By calling other pipelines, each pipeline can focus on populating a specific layer (bronze, silver, or gold), simplifying development and maintenance.

A parent pipeline can handle:

- Sequential execution of child pipelines.
- Error handling to send email notifications upon failures.
- Parallel execution of tasks where possible (e.g., simultaneous imports into the bronze layer).

NEW QUESTION 2

HOTSPOT - (Topic 1)

You need to recommend a method to populate the POS1 data to the lakehouse medallion layers.

What should you recommend for each layer? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

D. the sys.dm_exec_requests dynamic management view

Answer: B

NEW QUESTION 7

- (Topic 3)

You have a Fabric workspace that contains a warehouse named Warehouse1. Data is loaded daily into Warehouse1 by using data pipelines and stored procedures.

You discover that the daily data load takes longer than expected.

You need to monitor Warehouse1 to identify the names of users that are actively running queries.

Which view should you use?

- A. sys.dm_exec_connections
- B. sys.dm_exec_requests
- C. queryinsights.long_running_queries
- D. queryinsights.frequently_run_queries
- E. sys.dm_exec_sessions

Answer: E

Explanation:

sys.dm_exec_sessions provides real-time information about all active sessions, including the user, session ID, and status of the session. You can filter on session status to see users actively running queries.

NEW QUESTION 8

- (Topic 3)

You have a Fabric workspace that contains a lakehouse named Lakehouse1.

In an external data source, you have data files that are 500 GB each. A new file is added every day.

You need to ingest the data into Lakehouse1 without applying any transformations. The solution must meet the following requirements

Trigger the process when a new file is added.

Provide the highest throughput.

Which type of item should you use to ingest the data?

- A. Event stream
- B. Dataflow Gen2
- C. Streaming dataset
- D. Data pipeline

Answer: A

Explanation:

To ingest large files (500 GB each) from an external data source into Lakehouse1 with high throughput and to trigger the process when a new file is added, an Eventstream is the best solution.

An Eventstream in Fabric is designed for handling real-time data streams and can efficiently ingest large files as soon as they are added to an external source. It is optimized for high throughput and can be configured to trigger upon detecting new files, allowing for fast and continuous ingestion of data with minimal delay.

NEW QUESTION 9

- (Topic 3)

You have a Fabric workspace that contains an eventhouse

