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## DP-700 Dumps Collection: Implementing Data Engineering Solutions Using Microsoft Fabric & DP-700 Test Cram & DP-700 Study Materials

Customizable Implementing Data Engineering Solutions Using Microsoft Fabric (DP-700) practice tests allow users set the time and DP-700 questions according to their needs. Implementing Data Engineering Solutions Using Microsoft Fabric (DP-700) Practice exams simulate the real test so applicants can prepare as per the actual exam's pressure and handle it in the final test. ITCertMagic has a team of professionals who update the Implementing Data Engineering Solutions Using Microsoft Fabric (DP-700) practice material daily so the user can get the full out of it and pass Implementing Data Engineering Solutions Using Microsoft Fabric (DP-700) certification exam pretty easily.

## Microsoft Implementing Data Engineering Solutions Using Microsoft Fabric Sample Questions (Q65-Q70):

### NEW QUESTION # 65

You need to ensure that usage of the data in the Amazon S3 bucket meets the technical requirements. What should you do?

- A. Create a shortcut and ensure that caching is enabled for the workspace.
- **B. Create a shortcut and ensure that caching is disabled for the workspace.**
- C. Create a workspace identity and use the identity in a data pipeline.
- D. Create a workspace identity and enable high concurrency for the notebooks.

**Answer: B**

Explanation:

To ensure that the usage of the data in the Amazon S3 bucket meets the technical requirements, we must address two key points:

### NEW QUESTION # 66

You have a Fabric workspace that contains an eventhouse and a KQL database named Database1. Database1 has the following: Policy1 sends data from Table1 to Table2.

The following is a sample of the data in Table2.

Timestamp (datetime)	DeviceId (guid)	StreamData (dynamic)
2024-05-18 12:45:17.16524	81416f30-60a2-4e75-9b19-2a84ea059735	[ { "index": 0, "eventId": "719afca0-be30-4559-bb5e-59feade642f6" } ]
2024-05-18 12:45:21.76423	bb664e1e-02aa-4e17-8c8a-116cd4458d52	[ { "index": 0, "eventId": "782222b2-fbcb-43c0-82d6-ecd49a99dbf5" } ]
2024-05-18 12:45:23.98642	717bfe7d-0e5d-498f-9f21-e60aaf258056	[ { "index": 0, "eventId": "d5730286-0da4-41f8-8e59-f75e209310a9" } ]

Recently, the following actions were performed on Table1:

You plan to load additional records to Table2.

Which two records will load from Table1 to Table2? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A.

Timestamp (datetime)	DeviceId (guid)	StreamData (dynamic)
2024-05-23	81416f3060a24e759b192a84ea05973532dhdyte3	[ { "index": 0, "eventId": "719afca0-be30-4559-bb5e-59feade642f6" } ]

- B.

Timestamp (datetime)	DeviceId (guid)	StreamData (dynamic)
2024-05-18	81416f30-60a2-4e75-9b19-2a84ea059735	[ { "index": 40, "eventId": "729afca2-be30-4559-bb5e-59feade642f3", "temperature": 32 } ]

- C.

Timestamp (datetime)	DeviceId (guid)	StreamData (dynamic)
2024-05-21	81416f30	[ <pre>{             "index": 0,             "eventId": "719afca0-be30-4559-bb5e-5werade642f6",             "temperature": 27           }</pre>

- D.

Timestamp (datetime)	DeviceId (guid)	StreamData (dynamic)
2024-05-24	81416f30-60a2-4e75-9b19-2a84ea059735	[ <pre>{             "index": 0,             "eventId": "719afca0-be30-4559-bb5e-59feade642f6"           }</pre>

**Answer: C,D**

Explanation:

Changes to Table1 Structure:

Impact of Changes:

Record B:

Accepted because it fully matches Table2's structure and data types.

Record D:

Accepted because it fully matches Table2's structure and data types.

### NEW QUESTION # 67

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. KQL queryset
- B. Dataflow Gen2
- C. Environment
- **D. Data pipeline**

**Answer: D**

Explanation:

To efficiently ingest large data files (500 GB each) into Lakehouse1 with high throughput and trigger the process when a new file is added, a Data pipeline is the most suitable solution. Data pipelines in Fabric are ideal for orchestrating data movement and can be configured to automatically trigger based on file arrivals or other events. This solution meets both requirements: ingesting the data without transformations (since you just need to copy the data) and triggering the process when new files are added.

Topic 1, Litware, Inc

Overview

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the

case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

#### Overview

Litware, Inc. is a publishing company that has an online bookstore and several retail bookstores worldwide. Litware also manages an online advertising business for the authors it represents.

#### Existing Environment. Fabric Environment

Litware has a Fabric workspace named Workspace1. High concurrency is enabled for Workspace1.

The company has a data engineering team that uses Python for data processing.

#### Existing Environment. Data Processing

The retail bookstores send sales data at the end of each business day, while the online bookstore constantly provides logs and sales data to a central enterprise resource planning (ERP) system.

Litware implements a medallion architecture by using the following three layers: bronze, silver, and gold. The sales data is ingested from the ERP system as Parquet files that land in the Files folder in a lakehouse. Notebooks are used to transform the files in a Delta table for the bronze and silver layers. The gold layer is in a warehouse that has V-Order disabled.

Litware has image files of book covers in Azure Blob Storage. The files are loaded into the Files folder.

#### Existing Environment. Sales Data

Month-end sales data is processed on the first calendar day of each month. Data that is older than one month never changes.

In the source system, the sales data refreshes every six hours starting at midnight each day.

The sales data is captured in a Dataflow Gen1 dataflow. When the dataflow runs, new and historical data is captured. The dataflow captures the following fields of the source:

A table named AuthorSales stores the sales data that relates to each author. The table contains a column named AuthorEmail.

Authors authenticate to a guest Fabric tenant by using their email address.

#### Existing Environment. Security Groups

Litware has the following security groups:

#### Existing Environment. Performance Issues

Business users perform ad-hoc queries against the warehouse. The business users indicate that reports against the warehouse sometimes run for two hours and fail to load as expected. Upon further investigation, the data engineering team receives the following error message when the reports fail to load: "The SQL query failed while running." The data engineering team wants to debug the issue and find queries that cause more than one failure.

When the authors have new book releases, there is often an increase in sales activity. This increase slows the data ingestion process. The company's sales team reports that during the last month, the sales data has NOT been up-to-date when they arrive at work in the morning.

#### Requirements. Planned Changes

Litware recently signed a contract to receive book reviews. The provider of the reviews exposes the data in Amazon Simple Storage Service (Amazon S3) buckets.

Litware plans to manage Search Engine Optimization (SEO) for the authors. The SEO data will be streamed from a REST API.

#### Requirements. Version Control

Litware plans to implement a version control solution in Fabric that will use GitHub integration and follow the principle of least privilege.

#### Requirements. Governance Requirements

To control data platform costs, the data platform must use only Fabric services and items. Additional Azure resources must NOT be provisioned.

#### Requirements. Data Requirements

Litware identifies the following data requirements:

### NEW QUESTION # 68

You have a Fabric deployment pipeline that uses three workspaces named Dev, Test, and Prod.

You need to deploy an eventhouse as part of the deployment process.

What should you use to add the eventhouse to the deployment process?

- A. a deployment pipeline
- B. GitHub Actions
- C. an Azure DevOps pipeline

**Answer: C**

Explanation:

A deployment pipeline in Fabric is designed to automate the process of deploying assets (such as reports, datasets, eventhouses,

and other objects) between environments like Dev, Test, and Prod. Since you need to deploy an eventhouse as part of the deployment process, a deployment pipeline is the appropriate tool to move this asset through the different stages of your environment.

### NEW QUESTION # 69

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 KQL database that contains two tables named Stream and Reference. Stream contains streaming data in the following format.

Column name	Data type
Timestamp	Datetime
GeoLocation	Dynamic
Temperature	Decimal
DeviceId	Int

Reference contains reference data in the following format.

Column name	Data type
DeviceId	Int
DeviceName	String

Both tables contain millions of rows.

You have the following KQL queryset.

01 Stream

02 | extend lat = todecimal(GeoLocation.Latitude), long = todecimal(GeoLocation.Longitude)

03 | join kind=inner Reference on DeviceId

04 | project Timestamp, lat, long, Temperature, DeviceName

05 | filter Temperature >= 10

06 | render scatterchart with (kind = map)



You need to reduce how long it takes to run the KQL queryset.

Solution: You change the join type to kind=outer.

Does this meet the goal?

- A. No
- B. Yes

**Answer: A**

Explanation:

An outer join will include unmatched rows from both tables, increasing the dataset size and processing time. It does not improve query performance.

### NEW QUESTION # 70

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