

DP-700受験内容 & DP-700最新試験



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ご存知のように、私たちは今、非常に大きな競争圧力に直面しています。欲しいものを手に入れるにはもっと力が必要です。DP-700無料の試験ガイドがこれらを提供するかもしれません。教材を使用すると、Microsoft Certified: Fabric Data Engineer Associate認定資格を取得できます。これにより、多くの競合他社の中で、あなたの能力がより明確になります。DP-700練習ファイルを使用することは、ソフトパワーを向上させるための重要なステップです。業界の他の製品と比較して、DP-700学習教材が顧客を引き付けるために必要なものを理解するのに少し時間を割いていただければ幸いです。

Microsoft DP-700 認定試験の出題範囲：

トピック	出題範囲
トピック 1	<ul style="list-style-type: none">Monitor and optimize an analytics solution: This section of the exam measures the skills of Data Analysts in monitoring various components of analytics solutions in Microsoft Fabric. It focuses on tracking data ingestion, transformation processes, and semantic model refreshes while configuring alerts for error resolution. One skill to be measured is identifying performance bottlenecks in analytics workflows.
トピック 2	<ul style="list-style-type: none">Ingest and transform data: This section of the exam measures the skills of Data Engineers that cover designing and implementing data loading patterns. It emphasizes preparing data for loading into dimensional models, handling batch and streaming data ingestion, and transforming data using various methods. A skill to be measured is applying appropriate transformation techniques to ensure data quality.

トピック 3	<ul style="list-style-type: none"> Implement and manage an analytics solution: This section of the exam measures the skills of Microsoft Data Analysts regarding configuring various workspace settings in Microsoft Fabric. It focuses on setting up Microsoft Fabric workspaces, including Spark and domain workspace configurations, as well as implementing lifecycle management and version control. One skill to be measured is creating deployment pipelines for analytics solutions.
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>> DP-700受験内容 <<

DP-700最新試験 & DP-700問題集

当社の学習システムは、すべてのお客様に最高の学習教材を提供します。当社のDP-700最新の質問を購入する、当社のすべてのDP-700認定トレーニング資料を楽しむ権利があります。さらに重要なことに、当社には多くの専門家がいます。これらの専門家の最初の義務は、すべてのお客様のために昼夜を問わず当社の学習システムを更新することです。DP-700トレーニング資料の学習システムを更新することにより、当社がDP-700試験に関する最新情報をすべての人に提供できることを保証できます。

Microsoft Implementing Data Engineering Solutions Using Microsoft Fabric 認定 DP-700 試験問題 (Q35-Q40):

質問 #35

You have a Fabric workspace that contains a warehouse named Warehouse1.

While monitoring Warehouse1, you discover that query performance has degraded during the last 60 minutes.

You need to isolate all the queries that were run during the last 60 minutes. The results must include the username of the users that submitted the queries and the query statements. What should you use?

- A. **Query activity**
- B. the Microsoft Fabric Capacity Metrics app
- C. the sys.dm_exec_requests dynamic management view
- D. views from the queryinsights schema

正解: A

質問 #36

You have two Fabric notebooks named Load_Salesperson and Load_Orders that read data from Parquet files in a lakehouse. Load_Salesperson writes to a Delta table named dim_salesperson. Load.Orders writes to a Delta table named fact_orders and is dependent on the successful execution of Load_Salesperson.

You need to implement a pattern to dynamically execute Load_Salesperson and Load_Orders in the appropriate order by using a notebook.

How should you complete the code? To answer, drag the appropriate values 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.

Values

- activities
- broadcast
- dependencies
- execute
- notebooks
- runMultiple

Answer Area

```

  "name": "Load_Salesperson",
  "path": "Load_Salesperson",
  "timeoutPerCellInSeconds": 300,
},
{
  "name": "Load_Orders",
  "path": "Load_Orders",
  "timeoutPerCellInSeconds": 600,
  "dependencies": ["Load_Salesperson"]
},
],
"timeoutInSeconds": 43200
}
mssqlutils.notebook. runMultiple (DAG)

```

正解:

解説:

Values

- activities
- broadcast
- dependencies
- execute
- notebooks
- runMultiple

Answer Area

```

  "name": "Load_Salesperson",
  "path": "Load_Salesperson",
  "timeoutPerCellInSeconds": 300,
},
{
  "name": "Load_Orders",
  "path": "Load_Orders",
  "timeoutPerCellInSeconds": 600,
  "dependencies": ["Load_Salesperson"]
},
],
"timeoutInSeconds": 43200
}
mssqlutils.notebook. runMultiple (DAG)

```

Explanation:

Values

- activities
- broadcast
- dependencies
- execute
- notebooks
- runMultiple

Answer Area

```

  "name": "Load_Salesperson",
  "path": "Load_Salesperson",
  "timeoutPerCellInSeconds": 300,
},
{
  "name": "Load_Orders",
  "path": "Load_Orders",
  "timeoutPerCellInSeconds": 600,
  "dependencies": ["Load_Salesperson"]
},
],
"timeoutInSeconds": 43200
}
mssqlutils.notebook. runMultiple (DAG)

```

質問 #37

You plan to process the following three datasets by using Fabric:

* Dataset1: This dataset will be added to Fabric and will have a unique primary key between the source and the destination. The unique primary key will be an integer and will start from 1 and have an increment of 1.

* Dataset2: This dataset contains semi-structured data that uses bulk data transfer. The dataset must be handled in one process

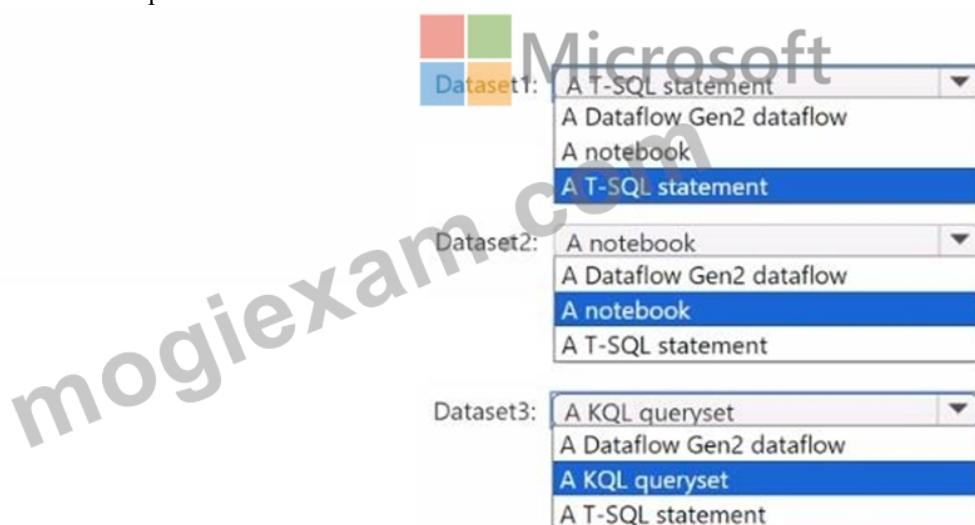
between the source and the destination. The data transformation process will include the use of custom visuals to understand and work with the dataset in development mode.

* Dataset3. This dataset is in a takehouse. The data will be bulk loaded. The data transformation process will include row-based windowing functions during the loading process.

You need to identify which type of item to use for the datasets. The solution must minimize development effort and use built-in functionality, when possible. What should you identify for each dataset? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

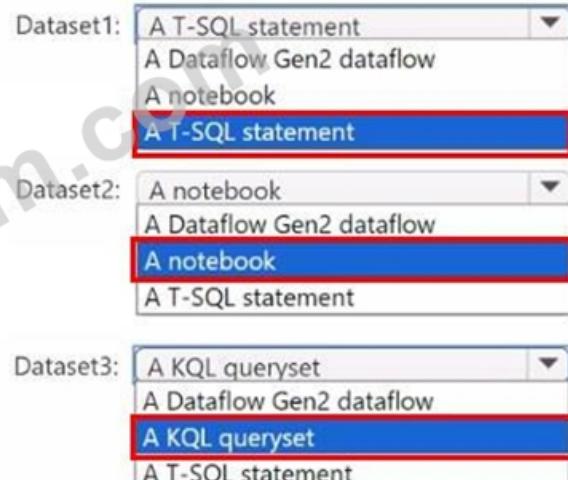


正解:

解説:

Answer Area

Microsoft



質問 # 38

You have a Fabric workspace that contains a lakehouse named Lakehouse1. Lakehouse1 contains a Delta table named Table1. You analyze Table1 and discover that Table1 contains 2,000 Parquet files of 1 MB each.

You need to minimize how long it takes to query Table1.

What should you do?

- A. Disable V-Order and run the OPTIMIZE command.
- B. Run the OPTIMIZE and VACUUM commands.
- C. Disable V-Order and run the VACUUM command.

正解: B

解説:

Problem Overview:

Table1 has 2,000 small Parquet files (1 MB each).

Query performance suffers when the table contains numerous small files because the query engine must process each file individually, leading to significant overhead.

Solution:

To improve performance, file compaction is necessary to reduce the number of small files and create larger, optimized files.

Commands and Their Roles:

OPTIMIZE Command:

- Compacts small Parquet files into larger files to improve query performance.
- It supports optional features like V-Order, which organizes data for efficient scanning.

VACUUM Command:

- Removes old, unreferenced data files and metadata from the Delta table.
- Running VACUUM after OPTIMIZE ensures unnecessary files are cleaned up, reducing storage overhead and improving performance.

質問 #39

You need to ensure that WorkspaceA can be configured for source control. Which two actions should you perform?

Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Configure WorkspaceA to use a Premium Per User (PPU) license
- B. From Tenant setting, set Users can sync workspace items with GitHub repositories to Enabled
- C. From Tenant setting, set Users can synchronize workspace items with their Git repositories to Enabled
- D. Assign WorkspaceA to Capl.

正解: C, D

解説:

Topic 2, Litware, Inc Case Study

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:

Sales Date

Author

Price

Units

SKU

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:

Sales

Fabric Admins

Streaming Admins

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:

Process the SEO data in near-real-time (NRT).

Make the book reviews available in the lakehouse without making a copy of the data.

When a new book cover image arrives in the Files folder, process the image as soon as possible.

質問 # 40

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