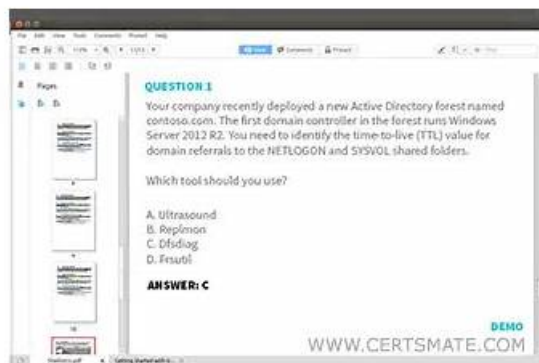# DP-700 Valid Test Braindumps - DP-700 Pdf Dumps

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Microsoft DP-700 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.
Topic 2	• 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.
Topic 3	• 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.

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Microsoft Implementing Data Engineering Solutions Using Microsoft Fabric Sample Questions (Q91-Q96):

NEW QUESTION # 91
You need to create the product dimension.
How should you complete the Apache Spark SQL code? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

```
SELECT ProductID, ProductNumber, ProductName, ModelName, SubCategoryName, CategoryName

FROM ContosoLake.Products p
```

▼	ContosoLake.ProductSubCategories s ON p.SubCategoryID = s.SubCategoryID
FULL JOIN	
INNER JOIN	
LEFT ANTI JOIN	
LEFT OUTER JOIN	
OUTER JOIN	

▼	ContosoLake.ProductCategories c ON c.CategoryID = s.CategoryID
FULL JOIN	
INNER JOIN	
LEFT ANTI JOIN	
LEFT OUTER JOIN	
OUTER JOIN	

WHERE

▼
CategoryID = 1;
CategoryName is not null;
IsActive = 1;
IsActive is not null;
ProductNumber is not null;
SubCategoryID = 1;
SubCategoryName is not null;

Answer:

Explanation:

```
SELECT ProductID, ProductNumber, ProductName, ModelName, SubCategoryName, CategoryName

FROM ContosoLake.Products p
```

▼	ContosoLake.ProductSubCategories s ON p.SubCategoryID = s.SubCategoryID
FULL JOIN	
INNER JOIN	
LEFT ANTI JOIN	
LEFT OUTER JOIN	
OUTER JOIN	

▼	ContosoLake.ProductCategories c ON c.CategoryID = s.CategoryID
FULL JOIN	
INNER JOIN	
LEFT ANTI JOIN	
LEFT OUTER JOIN	
OUTER JOIN	

WHERE

▼
CategoryID = 1;
CategoryName is not null;
IsActive = 1;
IsActive is not null;
ProductNumber is not null;
SubCategoryID = 1;
SubCategoryName is not null;

Explanation:
A screenshot of a computer Description automatically generated

```
SELECT ProductID, ProductNumber, ProductName, ModelName, SubCategoryName, CategoryName

FROM ContosoLake.Products p
```

▼	ContosoLake.ProductSubCategories s ON p.SubCategoryID = s.SubCategoryID

FULL JOIN
INNER JOIN
LEFT ANTI JOIN
LEFT OUTER JOIN
OUTER JOIN

▼	ContosoLake.ProductCategories c ON c.CategoryID = s.CategoryID

FULL JOIN
INNER JOIN
LEFT ANTI JOIN
LEFT OUTER JOIN
OUTER JOIN

WHERE [▼]

CategoryID = 1;
CategoryName is not null;
IsActive = 1;
IsActive is not null;
ProductNumber is not null;
SubCategoryID = 1;
SubCategoryName is not null;

Join between Products and ProductSubCategories:

Use an INNER JOIN.

The goal is to include only products that are assigned to a subcategory. An INNER JOIN ensures that only matching records (i.e., products with a valid subcategory) are included.

Join between ProductSubCategories and ProductCategories:

Use an INNER JOIN.

Similar to the above logic, we want to include only subcategories assigned to a valid product category. An INNER JOIN ensures this condition is met.

WHERE Clause

Condition: IsActive = 1

Only active products (where IsActive equals 1) should be included in the gold layer. This filters out inactive products.

NEW QUESTION # 92
You are building a Fabric notebook named MasterNotebookl in a workspace. MasterNotebookl contains the following code.

```
DAG = {
    "activities": [
        {   "name": "execute_notebook_1",
            "path": "notebook_01",
            "timeoutPerCellInSeconds": 600,
            "args": {
                        "input_value": "999"
                },
            "retry": 1,
            "retryIntervalInSeconds": 30

        },
        {   "name": "execute_notebook_2",
            "path": "notebook_02",
            "timeoutPerCellInSeconds": 400,
            "args": {
                        "input_value": "888"
                },
            "retry": 1,
            "retryIntervalInSeconds": 30
        },
        {   "name": "execute_notebook_3",
            "path": "notebook_03",
            "timeoutPerCellInSeconds": 600,
            "args": {
                        "input_value": "777"
                },
            "retry": 1,
            "retryIntervalInSeconds": 30
        }
        ],
    "timeoutInSeconds": 43200,
    "concurrency": 0

}
```

You need to ensure that the notebooks are executed in the following sequence:
1. Notebook_03
2. Notebook.Ol
3. Notebook_02
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Add dependencies to the execution of Note boo k_02.
- B. Split the Directed Acyclic Graph (DAG) definition into three separate definitions.
- C. Add dependencies to the execution of Notebook_03.
- D. Change the concurrency to 3.
- E. Move the declaration of Notebook_03 to the top of the Directed Acyclic Graph (DAG) definition.
- F. Move the declaration of Notebook_02 to the bottom of the Directed Acyclic Graph (DAG) definition.

Answer: A,E

NEW QUESTION # 93
You have a Fabric workspace that contains a warehouse named Warehouse1. Warehouse! contains a table named Customer.
Customer contains the following data.

CustomerID	FirstName	LastName	Phone	CreditCard
1	John	Doe	555-123-4567	1234567812345670
2	Jane	Smith	555-987-6543	8765432187654320
3	Michael	Johnson	555-555-5555	1234987654321230
4	Emily	Davis	555-222-3333	4321123456789870
5	David	Brown	555-444-5555	5678123498761230

You have an internal Microsoft Entra user named User1 that has an email address of user1@contoso.com.

You need to provide User1 with access to the Customer table. The solution must prevent User1 from accessing the CreditCard column.

How should you complete the statement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

GRANT SELECT ▼
ALTER
EXECUTE
READ
SELECT
VIEW

Customers(CustomerID, FirstName, LastName, Phone)

TO [user1@contoso.com] ▼
User1
[User1]
[user1@contoso.com]

Answer:

Explanation:

Answer Area

Microsoft

GRANT SELECT ▼
ALTER
EXECUTE
READ
SELECT
VIEW

Customers(CustomerID, FirstName, LastName, Phone)

TO [user1@contoso.com] ▼
User1
[User1]
[user1@contoso.com]

Explanation:

Answer Area

GRANT **SELECT** ▼ ON
Customers(CustomerID, FirstName, LastName, Phone)
TO [user1@contoso.com] ▼

NEW QUESTION # 94
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.
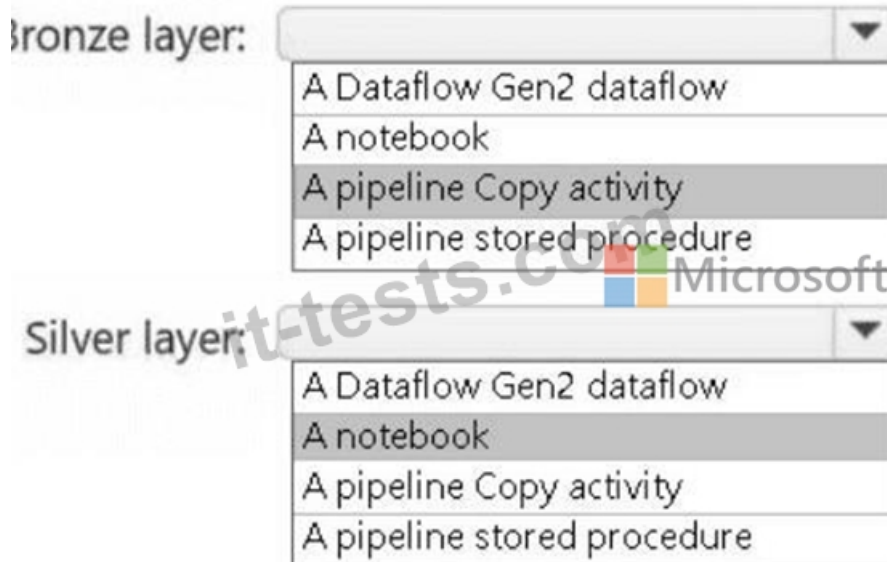NOTE: Each correct selection is worth one point.

Bronze layer: ▼
- A Dataflow Gen2 dataflow
- A notebook
- A pipeline Copy activity
- A pipeline stored procedure

Silver layer: ▼
- A Dataflow Gen2 dataflow
- A notebook
- A pipeline Copy activity
- A pipeline stored procedure

Answer:

Explanation:

Bronze layer: ▼
- A Dataflow Gen2 dataflow
- A notebook
- **A pipeline Copy activity**
- A pipeline stored procedure

Silver layer: ▼
- A Dataflow Gen2 dataflow
- **A notebook**
- A pipeline Copy activity
- A pipeline stored procedure

Explanation:
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Bronze Layer: A pipeline Copy activity
The bronze layer is used to store raw, unprocessed data. The requirements specify that no transformations should be applied before landing the data in this layer. Using a pipeline Copy activity ensures minimal development effort, built-in connectors, and the ability to ingest the data directly into the Delta format in the bronze layer.
Silver Layer: A notebook
The silver layer involves extensive data cleansing (deduplication, handling missing values, and standardizing capitalization). A notebook provides the flexibility to implement complex transformations and is well-suited for this task.

NEW QUESTION # 95
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. Environment
- B. Dataflow Gen2
- C. Data pipeline
- D. KQL queryset

Answer: C

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 # 96

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