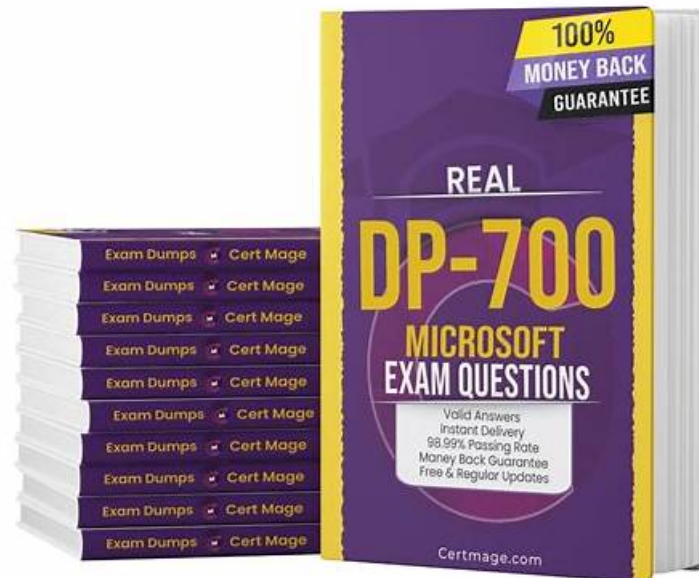# Valid DP-700 Test Forum - DP-700 Latest Exam Dumps



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## Microsoft DP-700 Exam Syllabus Topics:

| Topic | Details |
|---|---|
| Topic 1 | • 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 2 | • 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 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 (Q59-Q64):

**NEW QUESTION # 59**
You have an Azure key vault named KeyVaultl that contains secrets.
You have a Fabric workspace named Workspace-!. Workspace! contains a notebook named Notebookl that performs the following tasks:
* Loads stage data to the target tables in a lakehouse
* Triggers the refresh of a semantic model
You plan to add functionality to Notebookl that will use the Fabric API to monitor the semantic model refreshes. You need to retrieve the registered application ID and secret from KeyVaultl to generate the authentication token.
Solution: You use the following code segment:
Use notebookutils.credentials.getSecret and specify the key vault URL and key vault secret. Does this meet the goal?

- A. No
- B. Yes

**Answer: B**

**NEW QUESTION # 60**
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 project to extend.

Does this meet the goal?

- A. No
- B. Yes

**Answer: A**

Explanation:
Using extend retains all columns in the table, potentially increasing the size of the output unnecessarily. project is more efficient because it selects only the required columns.

**NEW QUESTION # 61**
HOTSPOT

You have a Fabric workspace that contains a warehouse named Warehouse1. Warehouse1 contains the following tables and columns.

| Table name | Column name | Data type |
| --- | --- | --- |
| Employee | EmployeeID | Int |
| Employee | EmployeeName | Varchar(128) |
| Employee | EmployeePosition | Varchar(64) |
| Contract | EmployeeID | Int |
| Contract | ContractType | Varchar(64) |
| Contract | StartDate | Datetime2 |
| Contract | EndDate | Datetime2 |

You need to denormalize the tables and include the ContractType and StartDate columns in the Employee table. The solution must meet the following requirements:

Ensure that the StartDate column is of the date data type.

Ensure that all the rows from the Employee table are preserved and include any matching rows from the Contract table.

Ensure that the result set displays the total number of employees per contract type for all the contract types that have more than two employees.

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**

```
WITH result AS(

SELECT e.EmployeeID

  , e.EmployeeName

  , e.EmployeePosition

  , c.ContractType

  ,  [ ▼ ]  (date, c.StartDate) as StartDate
     ┌─────────────┐
     │ CAST        │
     │ CONVERT     │
     │ REPLACE     │
     │ SUBSTRING   │
     └─────────────┘

FROM Employee AS e

  [ ▼ ] Contract AS c on c.EmployeeID = e.EmployeeID
  ┌──────────────────┐
  │ CROSS JOIN       │
  │ INNER JOIN       │
  │ LEFT OUTER JOIN  │
  │ RIGHT OUTER JOIN │
  └──────────────────┘

)

SELECT COUNT(DISTINCT EmployeeID) AS TotalEmployees

  , ContractType

FROM result

GROUP BY ContractType

[ ▼ ]  COUNT(DISTINCT EmployeeID) > 2
┌──────────────┐
│ CONTAINS     │
│ HAVING       │
│ LIMIT        │
│ WHERE        │
└──────────────┘
```

**Answer:**

Explanation:

## Answer Area

```
WITH result AS(

SELECT e.EmployeeID

  , e.EmployeeName

  , e.EmployeePosition

  , c.ContractType

  , [ ▼ ]  (date, c.StartDate) as StartDate
        ┌─────────────┐
        │ CAST         │
        │ CONVERT      │
        │ REPLACE      │
        │ SUBSTRING    │
        └─────────────┘

FROM Employee AS e

[ ▼ ]  Contract AS c on c.EmployeeID = e.EmployeeID
┌──────────────────────┐
│ CROSS JOIN            │
│ INNER JOIN            │
│ LEFT OUTER JOIN       │
│ RIGHT OUTER JOIN      │
└──────────────────────┘
)

SELECT COUNT(DISTINCT EmployeeID) AS TotalEmployees

  , ContractType

FROM result

GROUP BY ContractType

[ ▼ ]  COUNT(DISTINCT EmployeeID) > 2
┌──────────────┐
│ CONTAINS      │
│ HAVING        │
│ LIMIT         │
│ WHERE         │
└──────────────┘
```

Explanation:

Answer Area

ITH result AS(

ELECT e.EmployeeID

, e.EmployeeName

, e.EmployeePosition

, c.ContractType

,  [_____ ▼]  (date, c.StartDate) as StartDate

| CAST |
| CONVERT |
| REPLACE |
| SUBSTRING |

ROM Employee AS e

[_____ ▼]  Contract AS c on c.EmployeeID = e.EmployeeID

| CROSS JOIN |
| INNER JOIN |
| LEFT OUTER JOIN |
| RIGHT OUTER JOIN |

ELECT COUNT(DISTINCT EmployeeID) AS TotalEmployees

, ContractType

ROM result

ROUP BY ContractType

[_____ ▼]  COUNT(DISTINCT EmployeeID) > 2

| CONTAINS |
| HAVING |
| LIMIT |
| WHERE |

**NEW QUESTION # 62**

You need to recommend a Fabric streaming solution that will use the sources shown in the following table.

| Name | Message size | Description |
|---|---|---|
| Source1 | 10 MB | Contains semi-structured data that has a bigint column in the messages |
| Source2 | 25 MB | Contains structured data that has 19 columns |
| Source3 | 5 MB | Contains unstructured data that has images in the messages |

The solution must minimize development effort.

What should you include in the recommendation for each source? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Source1: [ A streaming dataflow ▼ ]
Apache Spark Structured Streaming
An eventstream
A data pipeline
**A streaming dataflow**
An eventstream ▼

Source2: [ A data pipeline ▼ ]
Apache Spark Structured Streaming
An eventstream
**A data pipeline**
A streaming dataflow

Source3: [ An eventstream ▼ ]
Apache Spark Structured Streaming
**An eventstream**
A data pipeline
A streaming dataflow

**Answer:**

Explanation:

Answer Area

Source1: [ A streaming dataflow ▼ ]
Apache Spark Structured Streaming
An eventstream
A data pipeline
**A streaming dataflow**
An eventstream ▼

Source2: [ A data pipeline ]
Apache Spark Structured Streaming
An eventstream
**A data pipeline**
A streaming dataflow

Source3: [ An eventstream ▼ ]
Apache Spark Structured Streaming
**An eventstream**
A data pipeline
A streaming dataflow

Explanation:

Answer Area

Source1: [ A streaming dataflow ▼ ]

Source2: [ A data pipeline ▼ ]

Source3: [ An eventstream ▼ ]

**NEW QUESTION # 63**
You have a Fabric capacity that contains a workspace named Workspace1. Workspace1 contains a lakehouse named Lakehouse1, a data pipeline, a notebook, and several Microsoft Power BI reports.
A user named User1 wants to use SQL to analyze the data in Lakehouse1.
You need to configure access for User1. The solution must meet the following requirements:
What should you do?

- A. Share Lakehouse1 with User1 directly and select Build reports on the default semantic model.
- B. Share Lakehouse1 with User1 directly and select Read all SQL endpoint data.
- C. Assign User1 the Viewer role for Workspace1. Share Lakehouse1 with User1 and select Read all SQL endpoint data.

- D. Assign User1 the Member role for Workspace1. Share Lakehouse1 with User1 and select Read all SQL endpoint data.

**Answer: C**

Explanation:
To meet the specified requirements for User1, the solution must ensure:
Read access to the table data in Lakehouse1: User1 needs permission to access the data within Lakehouse1. By sharing Lakehouse1 with User1 and selecting the Read all SQL endpoint data option, User1 will be able to query the data via SQL endpoints.
Prevent Apache Spark usage: By sharing the lakehouse directly and selecting the SQL endpoint data option, you specifically enable SQL-based access to the data, preventing User1 from using Apache Spark to query the data.
Prevent access to other items in Workspace1: Assigning User1 the Viewer role for Workspace1 ensures that User1 can only view the shared items (in this case, Lakehouse1), without accessing other resources such as notebooks, pipelines, or Power BI reports within Workspace1.
This approach provides the appropriate level of access while restricting User1 to only the required resources and preventing access to other workspace assets.

## NEW QUESTION # 64

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