

DP-600受験練習参考書、DP-600受験対策解説集



Domain Covered in [DP-600] Exam

TOPICS	Weightage of Question
• Maintain a data analytics solution	(25-30%)
• Prepare data	(45-50%)
• Implement and manage semantic models	(25-30%)

ちなみに、It-Passports DP-600の一部をクラウドストレージからダウンロードできます：
<https://drive.google.com/open?id=1r3z650ja8I0ALkIm3KeXRUXnFFyDIHeg>

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Microsoft DP-600 認定試験の出題範囲：

トピック	出題範囲
トピック 1	• Implement and manage semantic models: This section of the exam measures the skills of architects and focuses on designing and optimizing semantic models to support enterprise-scale analytics. It evaluates understanding of storage modes and implementing star schemas and complex relationships, such as bridge tables and many-to-many joins. Architects must write DAX-based calculations using variables, iterators, and filtering techniques. The use of calculation groups, dynamic format strings, and field parameters is included. The section also includes configuring large semantic models and designing composite models. For optimization, candidates are expected to improve report visual and DAX performance, configure Direct Lake behaviors, and implement incremental refresh strategies effectively.
トピック 2	• Prepare data: This section of the exam measures the skills of engineers and covers essential data preparation tasks. It includes establishing data connections and discovering sources through tools like the OneLake data hub and the real-time hub. Candidates must demonstrate knowledge of selecting the appropriate storage type—lakehouse, warehouse, or eventhouse—depending on the use case. It also includes implementing OneLake integrations with Eventhouse and semantic models. The transformation part involves creating views, stored procedures, and functions, as well as enriching, merging, denormalizing, and aggregating data. Engineers are also expected to handle data quality issues like duplicates, missing values, and nulls, along with converting data types and filtering. Furthermore, querying and analyzing data using tools like SQL, KQL, and the Visual Query Editor is tested in this domain.
トピック 3	• Maintain a data analytics solution: This section of the exam measures the skills of administrators and covers tasks related to enforcing security and managing the Power BI environment. It involves setting up access controls at both workspace and item levels, ensuring appropriate permissions for users and groups. Row-level, column-level, object-level, and file-level access controls are also included, alongside the application of sensitivity labels to classify data securely. This section also tests the ability to endorse Power BI items for organizational use and oversee the complete development lifecycle of analytics assets by configuring version control, managing Power BI Desktop projects, setting up deployment pipelines, assessing downstream impacts from various data assets, and handling semantic model deployments using XMLA endpoint. Reusable asset management is also a part of this domain.

試験の準備方法-実用的なDP-600受験練習参考書試験-100%合格率のDP-600受験対策解説集

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Microsoft Implementing Analytics Solutions Using Microsoft Fabric 認定 DP-600 試験問題 (Q81-Q86):

質問 # 81

Hotspot Question

You have a Fabric tenant that contains a lakehouse.

You are using a Fabric notebook to save a large DataFrame by using the following code:

```
df.write.partitionBy("year", "month",  
"day").mode("overwrite").parquet("Files/SalesOrder")
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

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正解:

解説:

☐

質問 # 82

You have a Fabric tenant that contains a data warehouse.

You need to load rows into a large Type 2 slowly changing dimension (SCD). The solution must minimize resource usage. Which T-SQL statement should you use?

- A. TRUNCATE TABLE and INSERT
- B. CREATE TABLE AS SELECT
- C. MERGE
- D. update and insert

正解: C

解説:

For Type 2 Slowly Changing Dimensions (SCD):

MERGE is the standard T-SQL approach, allowing conditional UPDATE for existing rows and INSERT for new history records, in a single statement.

UPDATE + INSERT would require multiple steps and higher resource usage.

TRUNCATE + INSERT would destroy historical data, violating SCD rules.

CREATE TABLE AS SELECT is not suitable for incremental Type 2 handling.

Correct answer: B.

Reference: Implement SCD Type 2 with MERGE

質問 # 83

You have a Microsoft Fabric tenant that contains a dataflow.

You are exploring a new semantic model.

From Power Query, you need to view column information as shown in the following exhibit.

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Which three Data view options should you select? Each correct answer presents part of the solution. NOTE:

Each correct answer is worth one point.

- A. Show column value distribution
- B. Show column profile in details pane
- C. Enable details pane
- D. Enable column profile
- E. Show column quality details

正解: C、D、E

解説:

To view column information like the one shown in the exhibit in Power Query, you need to select the options that enable profiling and display quality and distribution details. These are: A. Enable column profile - This option turns on profiling for each column, showing statistics such as distinct and unique values. B. Show column quality details - It displays the column quality bar on top of each column showing the percentage of valid, error, and empty values. E. Show column value distribution - It enables the histogram display of value distribution for each column, which visualizes how often each value occurs.

References: These features and their descriptions are typically found in the Power Query documentation, under the section for data profiling and quality features.

質問 #84

You have a Fabric workspace named Workspace1 that contains a data flow named Dataflow1. Dataflow1 contains a query that returns the data shown in the following exhibit.

You need to transform the date columns into attribute-value pairs, where columns become rows.

You select the VendorID column.

Which transformation should you select from the context menu of the VendorID column?

- A. Group by
- B. Unpivot columns
- C. Split column
- D. Unpivot other columns
- E. Remove other columns

正解: B

解説:

The transformation you should select from the context menu of the VendorID column to transform the date columns into attribute-value pairs, where columns become rows, is Unpivot columns (B). This transformation will turn the selected columns into rows with two new columns, one for the attribute (the original column names) and one for the value (the data from the cells). References = Techniques for unpivoting columns are covered in the Power Query documentation, which explains how to use the transformation in data modeling.

質問 #85

You have a Fabric tenant that contains a workspace named Workspace1. You plan to deploy a semantic model named Model1 by using the XMLA endpoint.

You need to optimize the deployment of Model1. The solution must minimize how long it takes to deploy Model1. What should you do in Workspace1?

- A. Set Enable Cache for Shortcuts to On.
- B. Select Small semantic model storage format.
- C. Select Users can edit data models in the Power BI service.
- D. Select Large semantic model storage format

正解: D

解説:

When deploying via the XMLA endpoint, deployment time is impacted by the storage format of the semantic model.

Large semantic model storage format (also known as Premium/Large models) supports more efficient processing and partitioned deployments, reducing overall deployment time for large models.

Small semantic model storage format is for smaller models and limits partitioning capabilities.

"Users can edit data models in the service" is unrelated to deployment optimization.

"Enable Cache for Shortcuts" improves query performance for shortcut data, not model deployment.

Reference: Large models in Power BI Premium

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DP-600受験対策解説集: <https://www.it-passports.com/DP-600.html>

- BONUS !!! It-Passports DP-600ダンプの一部を無料でダウンロード: <https://drive.google.com/open?id=1r3z650ja8I0ALkIm3KeXRUXnFFyDIHeg>