



DP-500^{Q&As}

Designing and Implementing Enterprise-Scale Analytics Solutions Using
Microsoft Azure and Microsoft Power BI

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QUESTION 1

From Power Query Editor, you profile the data shown in the following exhibit.

	A ⁸ IoT GUID	IoT DateTime	1 ² IoT ID
	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
1	48196321-38D9-EC11-B83D-0022489A2...	21/05/2022 18:59:25	100001000
2	49196321-38D9-EC11-B83D-0022489A2...	21/05/2022 18:59:26	100001001
3	0300C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001002
4	0400C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001003
5	0500C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001004
6	0600C742-38D9-EC11-B83D-0022489A2...	21/05/2022 19:00:21	100001005

The IoT GUID and IoT ID columns are unique to each row in the query.

You need to analyze IoT events by the hour and day of the year. The solution must improve dataset performance.

Solution: You remove the IoT ID column and retain the IoT GUID column.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 2

Which two possible tools can you use to identify what causes the report to render slowly? Each correct answer presents a complete solution.

A. Synapse Studio

B. DAX Studio

C. Azure Data Studio

D. Performance analyzer in Power BI Desktop

Correct Answer: BD

**QUESTION 3**

You are creating an external table by using an Apache Spark pool in Azure Synapse Analytics. The table will contain more than 20 million rows partitioned by date. The table will be shared with the SQL engines.

You need to minimize how long it takes for a serverless SQL pool to execute a query data against the table.

In which file format should you recommend storing the table data?

- A. JSON
- B. Apache Parquet
- C. CSV
- D. Delta

Correct Answer: B

QUESTION 4

You need to recommend a solution to add new fields to the financial data Power BI dataset with data from the Microsoft SQL Server data warehouse. What should you include in the recommendation?

- A. Azure Purview
- B. Site-to-Site VPN
- C. an XMLA endpoint
- D. the on-premises data gateway

Correct Answer: D

QUESTION 5

You have an Azure Synapse Analytics dataset that contains data about jet engine performance. You need to score the dataset to identify the likelihood of an engine failure. Which function should you use in the query?

- A. PIVOT
- B. GROUPING
- C. PREDICT
- D. CAST

Correct Answer: C



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