

# DP-600<sup>Q&As</sup>

Implementing Analytics Solutions Using Microsoft Fabric

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**QUESTION 1**

You need to assign permissions for the data store in the AnalyticsPOC workspace. The solution must meet the security requirements.

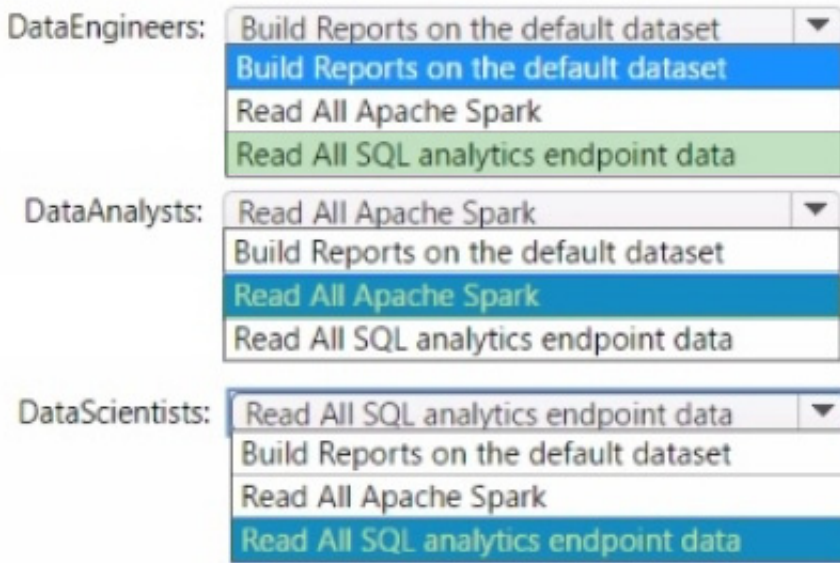
Which additional permissions should you assign when you share the data store? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

DataEngineers:	<table border="1"><tr><td>Build Reports on the default dataset</td><td>▼</td></tr><tr><td>Build Reports on the default dataset</td><td></td></tr><tr><td>Read All Apache Spark</td><td></td></tr><tr><td>Read All SQL analytics endpoint data</td><td></td></tr></table>	Build Reports on the default dataset	▼	Build Reports on the default dataset		Read All Apache Spark		Read All SQL analytics endpoint data	
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DataAnalysts:	<table border="1"><tr><td>Read All Apache Spark</td><td>▼</td></tr><tr><td>Build Reports on the default dataset</td><td></td></tr><tr><td>Read All Apache Spark</td><td></td></tr><tr><td>Read All SQL analytics endpoint data</td><td></td></tr></table>	Read All Apache Spark	▼	Build Reports on the default dataset		Read All Apache Spark		Read All SQL analytics endpoint data	
Read All Apache Spark	▼								
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DataScientists:	<table border="1"><tr><td>Read All SQL analytics endpoint data</td><td>▼</td></tr><tr><td>Build Reports on the default dataset</td><td></td></tr><tr><td>Read All Apache Spark</td><td></td></tr><tr><td>Read All SQL analytics endpoint data</td><td></td></tr></table>	Read All SQL analytics endpoint data	▼	Build Reports on the default dataset		Read All Apache Spark		Read All SQL analytics endpoint data	
Read All SQL analytics endpoint data	▼								
Build Reports on the default dataset									
Read All Apache Spark									
Read All SQL analytics endpoint data									

Correct Answer:



Data Engineers: Read All SQL analytics endpoint data

Data Analysts: Read All Apache Spark

Data Scientists: Read All SQL analytics endpoint data

The permissions for the data store in the AnalyticsPOC workspace should align with the principle of least privilege:

Data Engineers need read and write access but not to datasets or reports.

Data Analysts require read access specifically to the dimensional model objects and the ability to create Power BI reports.

Data Scientists need read access via Spark notebooks. These settings ensure each role has the necessary permissions to fulfill their responsibilities without exceeding their required access level.

## QUESTION 2

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. Unpivot other columns
- D. Split column
- E. Remove other columns

Correct Answer: B

Explanation: 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.

### QUESTION 3

You have a Fabric tenant named Tenant1 that contains a workspace named WS1. WS1 uses a capacity named C1 and contains a dataset named DS1. You need to ensure read-write access to DS1 is available by using the XLA endpoint. What should be modified first?

- A. the DS1 settings
- B. the WS1 settings
- C. the C1 settings

D. the Tenant1 settings

Correct Answer: C

Explanation: To ensure read-write access to DS1 is available by using the XMLA endpoint, the C1 settings (which refer to the capacity settings) should be modified first. XMLA endpoint configuration is a capacity feature, not specific to individual datasets or workspaces. References = The configuration of XMLA endpoints in Power BI capacities is detailed in the Power BI documentation on dataset management.

**QUESTION 4**

You have a Fabric tenant that contains a warehouse named Warehouse1. Warehouse1 contains a fact table named FactSales that has one billion rows. You run the following TSQL statement.

```
CREATE TABLE test.FactSales AS CLONE OF Dbo.FactSales;
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
A replica of <code>dbo.Sales</code> is created in the test schema by copying the metadata only.	<input type="radio"/>	<input type="radio"/>
Additional schema changes to <code>dbo.FactSales</code> will also apply to <code>test.FactSales</code> .	<input type="radio"/>	<input type="radio"/>
Additional data changes to <code>dbo.FactSales</code> will also apply to <code>test.FactSales</code> .	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
A replica of <code>dbo.Sales</code> is created in the test schema by copying the metadata only.	<input type="radio"/>	<input checked="" type="radio"/>
Additional schema changes to <code>dbo.FactSales</code> will also apply to <code>test.FactSales</code> .	<input type="radio"/>	<input checked="" type="radio"/>
Additional data changes to <code>dbo.FactSales</code> will also apply to <code>test.FactSales</code> .	<input checked="" type="radio"/>	<input type="radio"/>

A replica of `dbo.Sales` is created in the test schema by copying the metadata only. - No Additional schema changes to `dbo.FactSales` will also apply to `test.FactSales`. - No Additional data changes to `dbo.FactSales` will also apply to `test.FactSales`. - Yes The `CREATE TABLE AS CLONE` statement creates a copy of an existing table, including its data and any associated data structures, like indexes. Therefore, the statement does not merely copy metadata; it also copies the data. However, subsequent schema changes to the original table do not automatically propagate to the cloned table. Any data changes in the original table after the clone operation will not be reflected in the clone unless explicitly updated. References = `CREATE TABLE AS SELECT (CTAS)` in SQL Data Warehouse

**QUESTION 5**

You have a Fabric tenant that contains a new semantic model in OneLake.

You use a Fabric notebook to read the data into a Spark DataFrame.

You need to evaluate the data to calculate the min, max, mean, and standard deviation values for all the string and numeric columns.

Solution: You use the following PySpark expression:

```
df.explain()
```

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Explanation: The `df.explain()` method does not meet the goal of evaluating data to calculate statistical functions. It is used to display the physical plan that Spark will execute. References = The correct usage of the `explain()` function can be found in the PySpark documentation.

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