Microsoft

Exam Questions DP-500

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

NEW QUESTION 1
- (Exam Topic 1)
You need to implement object-level security (OLS) in the Power Bl dataset for the sales associates.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 2
- (Exam Topic 2)
You need to recommend a solution for the customer workspaces to support the planned changes.
Which two configurations should you include in the recommendation? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Set Use datasets across workspaces to Enabled
B. Publish the financial data to the web.
C. Grant the Build permission for the financial data to each customer.
D. Configure the FinData workspace to use a Power Bl Premium capacity.

Answer: C

NEW QUESTION 3
- (Exam Topic 3)
You have an Azure Synapse workspace named Workspace1.
You need to use PySpark in a notebook to read data from a SQL pool as an Apache Spark DataFrame and display the top five
How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 4
- (Exam Topic 3)
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 Power Bl dataset named Dataset1.
In Dataset1, you currently have 50 measures that use the same time intelligence logic. You need to reduce the number of measures, while maintaining the current functionality.
Solution: From Power Bl Desktop, you create a hierarchy. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 5
- (Exam Topic 3)
You use Advanced Editor in Power Query Editor to edit a query that references two tables named Sales and Commission. A sample of the data in the Sales table is shown in the following table.

A sample of the data in the Commission table is shown in the following table.

You need to merge the tables by using Power Query Editor without losing any rows in the Sales table. How should you complete the query? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 6
- (Exam Topic 3)
You are optimizing a Power Bl data model by using DAX Studio.
You need to capture the query events generated by a Power Bl Desktop report. What should you use?

A. the DMV list
B. a Query Plan trace
C. an All Queries trace
D. a Server Timings trace

Answer: D

NEW QUESTION 7
- (Exam Topic 3)
You have a Power Bl dataset. The dataset contains data that is updated frequently. You need to improve the performance of the dataset by using incremental refreshes.
Which four actions should you perform in sequence to enable the incremental refreshes? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 8
- (Exam Topic 3)
You discover a poorly performing measure in a Power Bl data model.
You need to review the query plan to analyze the amount of time spent in the storage engine and the formula engine.
What should you use?

A. Tabular Editor
B. Performance analyzer in Power Bl Desktop
C. Vertipaq Analyzer
D. DAX Studio

Answer: B

NEW QUESTION 9
- (Exam Topic 3)
You have a Power Bl dataset that contains the following measures:
• Budget
• Actuals
• Forecast
You create a report that contains 10 visuals.
You need provide users with the ability to use a slicer to switch between the measures in two visuals only. You create a dedicated measure named cg Measure switch.
How should you complete the DAX expression for the Actuals measure? To answer, drag the appropriate values to the targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 10
- (Exam Topic 3)
You have a Power Bl dataset that has the query dependencies shown in the following exhibit.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 10
- (Exam Topic 3)
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 the Power Bl data model shown in the exhibit. (Click the Exhibit tab.)

Users indicate that when they build reports from the data model, the reports take a long time to load. You need to recommend a solution to reduce the load times of the reports.
Solution: You recommend normalizing the data model. Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 15
- (Exam Topic 3)
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 Power Bl dataset named Datasetl.
In Dataset1, you currently have 50 measures that use the same time intelligence logic. You need to reduce the number of measures, while maintaining the current functionality. Solution: From DAX Studio, you write a query that uses grouping sets.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 16
- (Exam Topic 3)
You have a Power Bl report that contains the visual shown in the following exhibit.

You need to make the visual more accessible to users who have color vision deficiency. What should you do?

A. Change the font color of values in the Sales column to white.
B. Change the red background color to orange.
C. Add icons to represent the sales status of each product.
D. Add additional measures to the table values.

Answer: B

NEW QUESTION 18
- (Exam Topic 3)
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

Answer: A

NEW QUESTION 21
- (Exam Topic 3)
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 are using an Azure Synapse Analytics serverless SQL pool to query a collection of Apache Parquet files by using automatic schema inference. The files contain more than 40 million rows of UTF-8-encoded business names, survey names, and participant counts. The database is configured to use the default collation.
The queries use open row set and infer the schema shown in the following table.

You need to recommend changes to the queries to reduce I/O reads and tempdb usage.
Solution: You recommend using openrowset with to explicitly specify the maximum length for businessName and surveyName.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 22
- (Exam Topic 3)
You plan to modify a Power Bl dataset.
You open the Impact analysis panel for the dataset and select Notify contacts. Which contacts will be notified when you use the Notify contacts feature?

A. any users that accessed a report that uses the dataset within the last 30 days
B. the workspace admins of any workspace that uses the dataset
C. the Power Bl admins
D. all the workspace members of any workspace that uses the dataset

Answer: C

NEW QUESTION 24
- (Exam Topic 3)
You have an Azure Synapse Analytics serverless SQL pool.
You need to catalog the serverless SQL pool by using Azure Purview.
Which three actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Create a managed identity in Azure Active Directory (Azure AD).
B. Assign the Storage Blob Data Reader role to the Azure Purview managed service identity (MSI) for the storage account associated to the Synapse Analytics workspace.
C. Assign the Owner role to the Azure Purview managed service identity (MSI) for the Azure Purview resource group.
D. Register a data source.
E. Assign the Reader role to the Azure Purview managed service identity (MSI) for the Synapse Analytics workspace.

Answer: ACD

NEW QUESTION 29
- (Exam Topic 3)
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 the Power BI data model shown in the exhibit (Click the Exhibit tab.)

Users indicate that when they build reports from the data model, the reports take a long time to load. You need to recommend a solution to reduce the load times of the reports.
Solution: You recommend denormalizing the data model. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 34
- (Exam Topic 3)
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 are using an Azure Synapse Analytics serverless SQL pool to query a collection of Apache Parquet files by using automatic schema inference. The files contain more than 40 million rows of UTF-8-encoded business names, survey names, and participant counts. The database is configured to use the default collation.
The queries use open row set and infer the schema shown in the following table.

You need to recommend changes to the queries to reduce I/O reads and tempdb usage.
Solution: You recommend using openrowset with to explicitly define the collation for businessName and surveyName as Latim_Generai_100_BiN2_UTF8.
Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 38
- (Exam Topic 3)
You have a dataset that contains a table named UserPermissions. UserPermissions contains the following data.

You plan to create a security role named User Security for the dataset. You need to filter the dataset based on the current users. What should you include in the DAX expression?

A. [UserPermissions] - USERNAME()
B. [UserPermissions] - USERPRINCIPALNAME()
C. [User] = USERPRINCIPALNAME()
D. [User] = USERNAMEQ()
E. [User] = USEROBJECTID()

Answer: D

NEW QUESTION 39
- (Exam Topic 3)
You are planning a Power Bl solution for a customer.
The customer will have 200 Power Bl users. The customer identifies the following requirements:
• Ensure that all the users can create paginated reports.
• Ensure that the users can create reports containing Al visuals.
• Provide autoscaling of the CPU resources during heavy usage spikes.
You need to recommend a Power Bl solution for the customer. The solution must minimize costs. What should you recommend?

A. Power Bl Premium per user
B. a Power Bl Premium per capacity
C. Power Bl Pro per user
D. Power Bl Report Server

Answer: A

NEW QUESTION 43
- (Exam Topic 3)
You are implementing a reporting solution that has the following requirements:

• Reports for external customers must support 500 concurrent requests. The data for these reports is approximately 7 GB and is stored in Azure Synapse Analytics.
• Reports for the security team use data that must have local security rules applied at the database level to restrict access. The data being reviewed is 2 GB.
Which storage mode provides the best response time for each group of users?

A. DirectQuery for the external customers and import for the security team.
B. DirectQuery for the external customers and DirectQuery for the security team.
C. Import for the external customers and DirectQuery for the security team.
D. Import for the external customers and import for the security team.

Answer: A

NEW QUESTION 44
- (Exam Topic 3)
You are using a Python notebook in an Apache Spark pool in Azure Synapse Analytics. You need to present the data distribution statistics from a DataFrame in a tabular view. Which method should you invoke on the DataFrame?

A. freqltems
B. explain
C. rollup
D. summary

Answer: D

NEW QUESTION 48
- (Exam Topic 3)
You have a Power Bl report that contains the table shown in the following exhibit.

The table contains conditional formatting that shows which stores are above, near, or below the monthly quota for returns. You need to ensure that the table is accessible to consumers of reports who have color vision deficiency. What should you do?

A. Add alt text to explain the information that each color conveys.
B. Move the conditional formatting icons to a tooltip report.
C. Change the icons to use a different shape for each color.
D. Remove the icons and use red, yellow, and green background colors instead.

Answer: D

NEW QUESTION 49
- (Exam Topic 3)
You are configuring a Power Bl report for accessibility as shown in the following table.

You need to change the default colors of all three visuals to make the report more accessible to users who have color vision deficiency. Which two settings should you configure in the Customize theme window? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Theme colors
B. Sentiment colors
C. Divergent colors
D. First-level elements colors

Answer: D

NEW QUESTION 51
- (Exam Topic 3)
You are using Azure Synapse Studio to explore a dataset that contains data about taxi trips.
You need to create a chart that will show the total trip distance according to the number of passengers as shown in the following exhibit.

How should you configure the chart? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 53
- (Exam Topic 3)
You have a file named File1.txt that has the following characteristics:
• A header row
• Tab delimited values
• UNIX-style line endings
You need to read File1.txt by using an Azure Synapse Analytics serverless SQL pool. Which query should you execute?
A)

B)

C)

D)

A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 55
- (Exam Topic 3)

You have a Power Bl dataset that contains two tables named Table1 and Table2. The dataset is used by one report.
You need to prevent project managers from accessing the data in two columns in Table1 named Budget and Forecast.
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 60
- (Exam Topic 3)
You are using DAX Studio to query an XMLA endpoint.
You need to identify the duplicate values in a column named Email in a table named Subscription.
How should you complete the DAX expression? To answer, drag the appropriate values to the targets. Each value may be used once, more than once. may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 62
- (Exam Topic 3)
You have a kiosk that displays a Power Bl report page. The report uses a dataset that uses Import storage mode. You need to ensure that the report page updates all the visuals every 30 minutes. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Enable Power Bl embedded.
B. Configure the data sources to use DirectQuery.
C. Configure the data sources to use a streaming dataset
D. Select Auto page refresh.
E. Enable the XMIA endpoint.
F. Add a Microsoft Power Automate visual to the report page.

Answer: AD

NEW QUESTION 65
- (Exam Topic 3)
You have the following code in an Azure Synapse notebook.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the code.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 69
- (Exam Topic 3)
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.
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You have a Power Bl dataset named Dataset1.
In Dataset1, you currently have 50 measures that use the same time intelligence logic. You need to reduce the number of measures, while maintaining the current functionality. Solution: From Tabular Editor, you create a calculation group.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 73
- (Exam Topic 3)
You are configuring an aggregation table as shown in the following exhibit.

The detail table is named FactSales and the aggregation table is named FactSales(Agg). You need to aggregate SalesAmount for each store.
Which type of summarization should you use for SalesAmount and StoreKey? To answer, select the appropriate options in the answer area,
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 75
- (Exam Topic 3)
You are creating a Python visual in Power Bl Desktop.
You need to retrieve the value of a column named Unit Price from a DataFrame.
How should you reference the Unit Price column in the Python code?

A. pandas.DataFrame('Unit Price')
B. dataset['Unit Price']
C. data = [Unit Price]
D. ('Unit Price')

Answer: A

NEW QUESTION 79
- (Exam Topic 3)
You are creating a Power Bl Desktop report. You add a Python visual to the report page.
You plan to create a scatter chart to visualize the data. You add Python code to the Python script editor.
You need to create the scatter chart.
How should you complete the Python code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 82
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