



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)

What should you configure in the deployment pipeline?

- A. a backward deployment
- B. a selective deployment
- C. auto-binding
- D. a data source rule

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

You need to populate the CustomersWithProductScore table.

How should you complete the stored procedure? 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 3

- (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 BI 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 BI Desktop, you create a hierarchy. Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 4

- (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 5

- (Exam Topic 3)

You have a Power BI report that contains one visual.

You need to provide users with the ability to change the visual type without affecting the view for other users. What should you do?

- A. From Report setting, select Personalize visuals.
- B. From Tabular Editor, create a new perspective.
- C. From the Bookmarks pane, select Focus mode, and then select Add.
- D. From Visual options in Report settings, select Use the modern visual header with updated styling options.

Answer: A

NEW QUESTION 6

- (Exam Topic 3)

You have a Power BI 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 7

- (Exam Topic 3)

You have a Power BI workspace named Workspacel that contains five dataflows.

You need to configure Workspacel to store the dataflows in an Azure Data Lake Storage Gen2 account What should you do first?

- A. Delete the dataflow queries.
- B. From the Power BI Admin portal, enable tenant-level storage.
- C. Disable load for all dataflow queries.
- D. Change the Data source settings in the dataflow queries.

Answer: D

NEW QUESTION 8

- (Exam Topic 3)

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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 normalizing the data model. Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 9

- (Exam Topic 3)

You have a Power BI 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 10

- (Exam Topic 3)

You are creating a Power BI single-page report.

Some users will navigate the report by using a keyboard, and some users will navigate the report by using a screen reader.

You need to ensure that the users can consume content on a report page in a logical order. What should you configure on the report page?

- A. the bookmark order
- B. the X position
- C. the layer order
- D. the tab order

Answer: B

NEW QUESTION 10

- (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 11

- (Exam Topic 3)

You plan to modify a Power BI 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 BI admins
- D. all the workspace members of any workspace that uses the dataset

Answer: C

NEW QUESTION 12

- (Exam Topic 3)

You have a Power BI workspace named Workspacel in a Premium capacity. Workspacel contains a dataset. During a scheduled refresh, you receive the following error message: "Unable to save the changes since the new dataset size of 11,354 MB exceeds the limit of 10,240 MB."

You need to ensure that you can refresh the dataset.

What should you do?

- A. Turn on Large dataset storage format.
- B. Connect Workspace1 to an Azure Data Lake Storage Gen2 account
- C. Change License mode to Premium per user.
- D. Change the location of the Premium capacity.

Answer: A

NEW QUESTION 17

- (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 18

- (Exam Topic 3)

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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 20

- (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 Latin_Generai_100_BiN2_UTF8.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 25

- (Exam Topic 3)

You need to configure a source control solution for Azure Synapse Analytics. The solution must meet the following requirements:

- Code must always be merged to the main branch before being published, and the main branch must be used for publishing resource
- The workspace templates must be stored in the publish branch.
- A branch named dev123 will be created to support the development of a new feature. What should you do? 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 29

- (Exam Topic 3)

You are planning a Power BI solution for a customer.

The customer will have 200 Power BI users. The customer identifies the following requirements:

- Ensure that all the users can create paginated reports.
- Ensure that the users can create reports containing AI visuals.
- Provide autoscaling of the CPU resources during heavy usage spikes.

You need to recommend a Power BI solution for the customer. The solution must minimize costs. What should you recommend?

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

Answer: A

NEW QUESTION 31

- (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 33

- (Exam Topic 3)

You have a Power BI 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 34

- (Exam Topic 3)

You are using GitHub as a source control solution for an Azure Synapse Studio workspace. You need to modify the source control solution to use an Azure DevOps Git repository. What should you do first?

- A. Disconnect from the GitHub repository.
- B. Create a new pull request.
- C. Change the workspace to live mode.
- D. Change the active branch.

Answer: A

NEW QUESTION 35

- (Exam Topic 3)

You are configuring Azure Synapse Analytics pools to support the Azure Active Directory groups shown in the following table.

Which type of pool should each group use? To answer, drag the appropriate pool types to the groups. Each pool type 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 36

- (Exam Topic 3)

You have a Power BI 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 39

- (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 42

- (Exam Topic 3)

You have new security and governance protocols for Power BI reports and datasets. The new protocols must meet the following requirements.

- New reports can be embedded only in locations that require authentication.
- Live connections are permitted only for workspaces that use Premium capacity datasets.

Which three actions should you recommend performing in the Power BI Admin portal? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. From Tenant settings, disable Allow XMLA endpoints and Analyze in Excel with on-premises datasets.
- B. From the Premium per user settings, set XMLA Endpoint to Off.
- C. From Embed Codes, delete all the codes.
- D. From Capacity settings, set XMLA Endpoint to Read Write.
- E. From Tenant settings, set Publish to web to Disable.

Answer: A

NEW QUESTION 44

- (Exam Topic 3)

You open a Power BI Desktop report that contains an imported data model and a single report page.

You open Performance analyzer, start recording, and refresh the visuals on the page. The recording produces the results shown in the following exhibit

What can you identify from the results?

- A. The Actual/Forecast Hours by Type visual takes a long time to render on the report page when the data is cross-filtered.
- B. The Actual/Forecast Billable Hrs YTD visual displays the most data.
- C. Unoptimized DAX queries cause the page to load slowly.
- D. When all the visuals refresh simultaneously, the visuals spend most of the time waiting on other processes to finish.

Answer: D

NEW QUESTION 47

- (Exam Topic 3)

You have a kiosk that displays a Power BI 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 BI 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 XMLA endpoint.
- F. Add a Microsoft Power Automate visual to the report page.

Answer: AD

NEW QUESTION 50

- (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 54

- (Exam Topic 3)

You plan to create a Power BI report that will use an OData feed as the data source. You will retrieve all the entities from two different collections by using the same service root

The OData feed is still in development. The location of the feed will change once development is complete. The report will be published before the OData feed development is complete.

You need to minimize development effort to change the data source once the location changes.

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 55

- (Exam Topic 3)

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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 BI 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 57

- (Exam Topic 3)

You need to save Power BI dataflows in an Azure Storage account.

Which two prerequisites are required to support the configuration? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. The storage account must be protected by using an Azure Firewall.
- B. The connection must be created by a user that is assigned the Storage Blob Data Owner role.
- C. The storage account must have hierarchical namespace enabled.
- D. Dataflows must exist already for any directly connected Power BI workspaces.
- E. The storage account must be created in a separate Azure region from the Power BI tenant and workspaces.

Answer: BC

NEW QUESTION 61

- (Exam Topic 3)

You are creating a Python visual in Power BI 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 62

- (Exam Topic 3)

You have a Power BI dataset that uses DirectQuery against an Azure SQL database. Multiple reports use the dataset.

A database administrator reports that too many queries are being sent from Power BI to the database.

You need to reduce the number of queries sent to the database. The solution must meet the following requirements:

- DirectQuery must continue to be used.
- Visual interactions in all the reports must remain as they are configured currently.
- Consumers of the reports must only be allowed to apply filters from the Filter pane. Which two settings should you select? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Disabling cross highlighting/filtering by default
- B. Add a single Apply button to the filter pane to apply changes at once
- C. Add an Apply button to each slicer to apply changes when you're ready
- D. Add Apply buttons to all basic filters to apply changes when you're ready
- E. Ignore the Privacy Levels and potentially improve performance

Answer: CD

NEW QUESTION 63

- (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 moving all the measures to a calculation group. Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 67

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