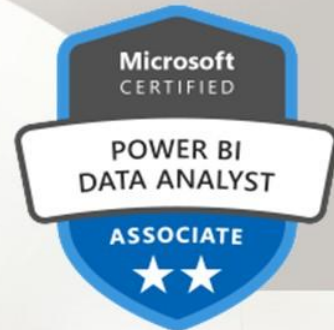


PL-300

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Question 81

CertyIQ

You have a Microsoft Power BI workspace.

You need to grant the user capabilities shown in the following table.

User name	Task
User1	Create and publish apps.
User2	Publish reports to the workspace and delete dashboards

The solution must use the principle of least privilege.

Which user role should you assign to each user? To answer, drag the appropriate roles to the correct users. Each role 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. Select and Place:

Roles

Admin	Contributor
Member	Viewer

Answer Area

User1:

User2:

Answer:

Roles

Admin	Contributor
Member	Viewer

Answer Area

User1:

User2:

Answer:

Explanation:

Correct answer –

Box 1: Member –

Capability	Admin	Member	Contributor	Viewer
Update and delete the workspace.	✓			
Add/remove people, including other admins.	✓			
Allow Contributors to update the app for the workspace	✓			
Add members or others with lower permissions.	✓	✓		
Publish and change permissions for an app	✓	✓		
Update an app.	✓	✓		If allowed ¹

InAnswers:

Contributors can update the app metadata but not publish a new app or change who has permission to the app.

Box 2: Contributor –

Capability	Admin	Member	Contributor	Viewer
Create, edit, and delete content in the workspace.	✓	✓	✓	
Publish reports to the workspace, delete content.	✓	✓	✓	

Reference: <https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-new-workspaces>

Question 82

CertyIQ

You create a dataset sourced from dozens of flat files in Azure Blob storage. The dataset uses incremental refresh.

From powerbi.com, you deploy the dataset and several related reports to Microsoft Power BI Premium capacity.

You discover that the dataset refresh fails after the refresh runs out of resources. What is a possible cause of the issue?

- A. Query folding is not occurring.
- B. You selected Only refresh complete periods.
- C. The data type of the column used to partition the data changed.
- D. A filter is missing on the report.

Explanation:

Correct answer – A

The Power BI service partitions data based on date range. This is what enables only certain partitions to be refreshed incrementally. To make this work, the partition filter conditions are pushed down to the source system by including them in the queries. Using Power Query terminology, this is called “query folding”. It is not recommended that incremental refresh is used when the required query folding cannot take place.

Reference: <https://powerbi.microsoft.com/en-us/blog/incremental-refresh-query-folding/>

Question 83

CertyIQ

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports. Solution: You enable included in app for all assets. Does this meet the goal?

A. Yes

B. No

Explanation:

Correct answer – NO

Question 84

CertyIQ

You publish a Microsoft Power BI dataset to powerbi.com. The dataset appends data from an on-premises Oracle database and an Azure SQL database by using one query.

You have admin access to the workspace and permission to use an existing On-premises data gateway for which the Oracle data source is already configured.

You need to ensure that the data is updated every morning. The solution must minimize configuration effort. Which two actions should you perform when you configure scheduled refresh? Each Answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Configure the dataset to use the existing On-premises data gateway.

B. Deploy an On-premises data gateway in personal mode.

C. Set the refresh frequency to Daily.

D. Configure the dataset to use the personal gateway.

Explanation:

Correct answer – BC

B: The on-premises data gateway acts as a bridge to provide quick and secure data transfer between on-premises data (data that isn't in the cloud) and several

Microsoft cloud services. These cloud services include Power BI.

On-premises data gateway (personal mode) allows one user to connect to sources, and can't be shared with others. An on-premises data gateway (personal mode) can be used only with Power BI. This gateway is well-suited to scenarios where you're the only person who creates reports, and you don't need to share any data sources with others.

C: For Power BI users, refreshing data typically means importing data from the original data sources into a dataset, either based on a refresh schedule or on-demand. You can perform multiple dataset refreshes daily, which might be necessary if the underlying source data changes frequently.

InAnswers:

A: On-premises data gateway allows multiple users to connect to multiple on-premises data sources. You can use an on-premises data gateway with all supported services, with a single gateway installation. This gateway is well-suited to complex scenarios with multiple people accessing multiple data sources.

Reference: <https://docs.microsoft.com/en-us/power-bi/connect-data/refresh-data>

Question 85

CertyIQ

You need to provide a user with the ability to add members to a workspace. The solution must use the principle of least privilege.

Which role should you assign to the user?

- A. Viewer
- B. Contributor
- C. Member**
- D. Admin

Explanation:

Correct answer – C

A Member can add members or others with lower permissions.

Question 86

CertyIQ

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports.

Solution: You publish an app to the entire organization.

Does this meet the goal?

A. Yes

B. No

Explanation:

Correct answer – B

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports.

Dashboards

Reports

are in a workspace.

But access should be given to

Dashboards

Reports

If we publish app and give access to everybody - they will have access to everything.

Now if we select Reports and Dashboards for the App, that no longer is one step - It is 2 steps. Selection of right reports and then publish the app.

Instead assign all the users the Viewer role to the workspace.

Note: The Viewer role gives a read-only experience to its users. They can view dashboards, reports, or workbooks in the workspace, but can browse the datasets or dataflows. Use the Viewer role wherever you would previously use a classic workspace set to Members can only view Power BI content.

Reference: <https://powerbi.microsoft.com/en-us/blog/announcing-the-new-viewer-role-for-power-bi-workspaces/>

Question 87

CertyIQ

You have multiple dashboards.

You need to ensure that when users browse the available dashboards from powerbi.com, they can see which dashboards contain Personally Identifiable

Information (PII). The solution must minimize configuration effort and impact on the dashboard design.

What should you use?

A. comments

B. tiles

C. Microsoft Information Protection sensitivity labels

D. Active Directory groups

Explanation:

Correct answer – C

C is right, PII can be available only for those who are authorized and it can be obtain by sensitivity labels (similar to AIP for document)

Microsoft Information Protection sensitivity labels provide a simple way for your users to classify critical content in Power BI without compromising productivity or the ability to collaborate.

Sensitivity labels can be applied to datasets, reports, dashboards, and dataflows.

Reference:

<https://docs.microsoft.com/en-us/power-bi/admin/service-security-sensitivity-label-overview>

Question 88

CertyIQ

You have a Power BI tenant.

You have reports that use financial datasets and are exported as PDF files.

You need to ensure that the reports are encrypted.

What should you implement?

A. dataset certifications

B. row-level security (RLS)

C. sensitivity labels

D. Microsoft Intune policies

Explanation:

Correct answer – C

General availability of sensitivity labels in Power BI.

Microsoft Information Protection sensitivity labels provide a simple way for your users to classify critical content in Power BI without compromising productivity or the ability to collaborate. Sensitivity labels can be applied on datasets, reports, dashboards, and dataflows. When data is exported from Power BI to Excel,

PowerPoint or PDF files, Power BI automatically applies a sensitivity label on the exported file and protects it according to the label's file encryption settings. This way your sensitive data remains protected no matter where it is.

Reference:

<https://powerbi.microsoft.com/en-us/blog/announcing-power-bi-data-protection-ga-and-introducing-new-capabilities/>

<https://docs.microsoft.com/en-us/power-bi/admin/service-security-sensitivity-label-overview>

Question 89

CertyIQ

Your company plans to completely separate development and production assets such as datasets, reports, and dashboards in Microsoft Power BI.

You need to recommend an application lifecycle strategy. The solution must minimize access to production assets and prevent end users from viewing the development assets.

What should you recommend?

A. Create production reports in a separate workspace that uses a shared dataset from the development workspace. Grant the end users access to the production workspace.

B. Create one workspace for development. From the new workspace, publish an app for production.

C. Create a workspace for development and a workspace for production. From the production workspace, publish an app.

D. In one workspace, create separate copies of the assets and append DEV to the names of the copied assets. Grant the end users access to the workspace.

Explanation:

Correct answer – C

Use different work stages (Development, Test, and Production).

Deploy from the Development workspace.

A & B cannot be right because it says "completely separate development and production assets such as datasets, reports, and dashboards". A and B would not have separate datasets.

Reference:

<https://visualbi.com/blogs/microsoft/powerbi/application-lifecycle-management-power-bi/>

Question 90

CertyIQ

You have a collection of reports for the HR department of your company. The datasets use row-level security (RLS). The company has multiple sales regions that each has an HR manager.

You need to ensure that the HR managers can interact with the data from their region only. The HR managers must be prevented from changing the layout of the reports.

How should you provision access to the reports for the HR managers?

A. Publish the reports to a different workspace other than the one hosting the datasets.

B. Publish the reports in an app and grant the HR managers access permission.

C. Add the HR managers as members of the existing workspace that hosts the reports and the datasets.

D. Create a new workspace, copy the datasets and reports, and add the HR managers as members of the workspace.

Explanation:

Correct answer – B

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-create-distribute-apps>

RLS is used to restrict access to data not to layout of the report. Members are allowed to change the report layout.

because: Can't be A , you can't only publish Report without Dataset in import mode.

But in Direct Mode they can (with the schema of the Data)

<https://community.powerbi.com/t5/Service/Only-publish-the-reports-from-Power-BI-Desktop/m-p/433887#M46273>

But in the question the didn't mention Direct mode so it's B for me

And with restriction modification of Layout it can't be C and D

Question 91

CertyIQ

You create a report by using Microsoft Power BI Desktop.

The report uses data from a Microsoft SQL Server Analysis Services (SSAS) cube located on your company's internal network.

You plan to publish the report to the Power BI Service.

What should you implement to ensure that users who consume the report from the Power BI Service have the most up-to-date data from the cube?

A. a subscription

B. a scheduled refresh of the dataset

C. an OData feed

D. an On-premises data gateway

Explanation:

Correct answer – D

SSAS is a live connection to Power BI. So no need to schedule refresh.

D is correct.

When you've created dynamic reports in Power BI Desktop, you can share them by publishing to your Power BI site. When you publish a Power BI Desktop file with a live connection to a tabular model to your Power BI site, an on-premises data gateway must be installed and configured by an administrator.

<https://docs.microsoft.com/es-es/power-bi/connect-data/desktop-analysis-services-tabular-data#frequently-asked-questions>

Question 92

CertyIQ

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports.

Solution: You create an Azure Active Directory group that contains all the users. You share each report and dashboard to the group.

Does this meet the goal?

A. Yes

B. No

Explanation:

Correct answer – YES - not the best solution, but works and meet the requirements

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-roles-new-workspaces>

•Answer is Yes

You can also enforce RLS without giving access to the new workspace. Publish an app and distribute it to those users, or use sharing to distribute content to them.

Question 93

CertyIQ

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports.

Solution: You assign all the users the Viewer role to the workspace.

Does this meet the goal?

A. Yes

B. No

Explanation:

Correct answer – NO

because we want to give access to only one dashboard, viewer role will give read access to everything in the wksp. workspace access gives permission to ALL reports. The question states that only few reports need to be shared

Question 94

CertyIQ

You publish a Microsoft Power BI dataset to powerbi.com. The dataset appends data from an on-premises Oracle database and an Azure SQL database by using one query.

You have admin access to the workspace and permission to use an existing On-premises data gateway for which the Oracle data source is already configured.

You need to ensure that the data is updated every morning. The solution must minimize configuration effort.

Which two actions should you perform when you configure scheduled refresh? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Configure the dataset to use the existing On-premises data gateway.

B. Deploy an On-premises data gateway in personal mode.

C. Set the refresh frequency to Daily.

D. Configure the dataset to use the personal gateway.

Explanation:

Correct answer – AC

No need to configure a personal gateway "You have admin access to the workspace and permission to use an existing On-premises data gateway for which the Oracle data source is already configured"

because once you publish your report and go to manage gateways it will automatically show the existing gateway connection to Oracle. This will minimize the effort of installing a personal gateway (Option B). Also, option B seems irrelevant because if your system is off which means your personal gateway also will be off thereby impacting your daily refresh and not answering the question

Question 95

CertyIQ

You need to provide a user with the ability to add members to a workspace. The solution must use the principle of least privilege.

Which role should you assign to the user?

A. Viewer

B. Contributor

C. Member

D. Admin

Explanation:

Correct answer – c

Only the [Admin] role can Add/remove other users which a [Member] role can't do. But, what a [Member] role can do is - (Add members or others with lower permissions) and this is what the question is about. So, I believe the option [C. Member] is the correct answer. Refer to the capability list items 2 and 4 at

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-new-workspaces>

A Member can add members or others with lower permissions.

Note:

Capability	Admin	Member	Contributor	Viewer
Update and delete the workspace.	✓			
Add/remove people, including other admins.	✓			
Allow Contributors to update the app for the workspace	✓			
Add members or others with lower permissions.	✓	✓		

Question 96

CertyIQ

DRAG DROP -

You have a Microsoft Power BI workspace.

You need to grant the user capabilities shown in the following table.

User name	Task
User1	Create and publish apps.
User2	Publish reports to the workspace and delete dashboards

The solution must use the principle of least privilege.

Which user role should you assign to each user? To answer, drag the appropriate roles to the correct users.

Each role 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.

Select and Place:

Roles**Answer Area**

Admin

Contributor

User1:

Member

Viewer

User2:

Suggested Answer:**Roles****Answer Area**

Admin

Contributor

User1:

Member

Member

Viewer

User2:

Contributor

Explanation:

Correct answer –

Box 1: Member -

Capability	Admin	Member	Contributor	Viewer
Update and delete the workspace.	✓			
Add/remove people, including other admins.	✓			
Allow Contributors to update the app for the workspace	✓			
Add members or others with lower permissions.	✓	✓		
Publish and change permissions for an app	✓	✓		
Update an app.	✓	✓	If allowed ¹	

Incorrect Answers:

Contributors can update the app metadata but not publish a new app or change who has permission to the app.

Box 2: Contributor -

Capability	Admin	Member	Contributor	Viewer
Create, edit, and delete content in the workspace.	✓	✓	✓	
Publish reports to the workspace, delete content.	✓	✓	✓	

Reference:

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-new-workspaces>

Question 97

CertyIQ

You create a dataset sourced from dozens of flat files in Azure Blob storage. The dataset uses incremental refresh.

From powerbi.com, you deploy the dataset and several related reports to Microsoft Power BI Premium capacity.

You discover that the dataset refresh fails after the refresh runs out of resources.

What is a possible cause of the issue?

A. Query folding is not occurring.

- B. You selected Only refresh complete periods.
- C. The data type of the column used to partition the data changed.
- D. A filter is missing on the report.

Explanation:

Correct answer – A Query folding is not occurring because not supported for flat files and it's the only way to speed up incremental refresh.

The Power BI service partitions data based on date range. This is what enables only certain partitions to be refreshed incrementally. To make this work, the partition filter conditions are pushed down to the source system by including them in the queries. Using Power Query terminology, this is called “query folding”. It is not recommended that incremental refresh is used when the required query folding cannot take place.

Reference:

<https://powerbi.microsoft.com/en-us/blog/incremental-refresh-query-folding/>

Question 98

CertyIQ

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 scenario, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have several reports and dashboards in a workspace.

You need to grant all organizational users read access to a dashboard and several reports.

Solution: You enable included in app for all assets.

Does this meet the goal?

A. Yes

B. No

Explanation:

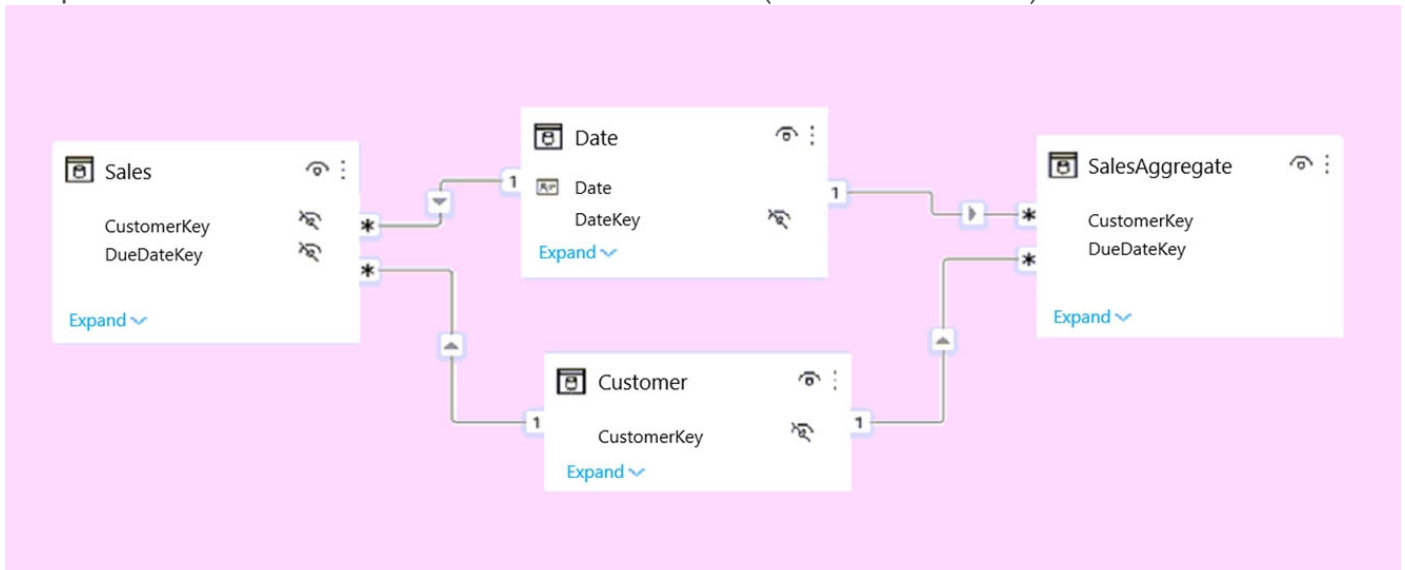
Correct answer – NO

All reports and dashboards are enabled whereas only one dashboard and several reports need to be included into the app

Question 99

HOTSPOT -

You plan to create the Power BI model shown in the exhibit. (Click the Exhibit tab.)



The data has the following refresh requirements:

- ☞ Customer must be refreshed daily.
- ☞ Date must be refreshed once every three years.
- ☞ Sales must be refreshed in near real time.
- ☞ SalesAggregate must be refreshed once per week.

You need to select the storage modes for the tables. The solution must meet the following requirements:

- ☞ Minimize the load times of visuals.
- ☞ Ensure that the data is loaded to the model based on the refresh requirements.

Which storage mode should you select for each table? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Customer:

	▼
DirectQuery	
Dual	
Import	

Date:

	▼
DirectQuery	
Dual	
Import	

Sales:

	▼
DirectQuery	
Dual	
Import	

SalesAggregate:

	▼
DirectQuery	
Dual	
Import	

Answer Area

Correct Answer:

Customer:

	▼
DirectQuery	
Dual	
Import	

Date:

	▼
DirectQuery	
Dual	
Import	

Sales:

	▼
DirectQuery	
Dual	
Import	

SalesAggregate:

	▼
DirectQuery	
Dual	
Import	

Explanation:

Correct answer –

Box 1: Dual -

Customer should use the dual storage mode.

Dual: Tables with this setting can act as either cached or not cached, depending on the context of the query that's submitted to the Power BI dataset. In some cases, you fulfill queries from cached data. In other cases, you fulfill queries by executing an on-demand query to the data source.

Note: You set the Storage mode property to one of these three values: Import, DirectQuery, and Dual.

Box 2: Dual -

You can set the dimension tables (Customer, Geography, and Date) to Dual to reduce the number of limited relationships in the dataset, and improve performance.

Box 3: DirectQuery -

Sales should use the DirectQuery storage mode.

DirectQuery: Tables with this setting aren't cached. Queries that you submit to the Power BI dataset, for example, DAX queries, and that return data from

DirectQuery tables can be fulfilled only by executing on-demand queries to the data source. Queries that you submit to the data source use the query language for that data source, for example, SQL.

Box 4: Import -

Import: Imported tables with this setting are cached. Queries submitted to the Power BI dataset that return data from Import tables can be fulfilled only from cached data.

Reference:

<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-storage-mode>

Question 100

CertyIQ

You have a project management app that is fully hosted in Microsoft Teams. The app was developed by using Microsoft Power Apps.

You need to create a Power BI report that connects to the project management app.

Which connector should you select?

A. Microsoft Teams Personal Analytics

B. SQL Server database

C. Dataverse

D. Dataflows

Explanation:

Correct answer – C

Data sources in Power BI Desktop.

The Power Platform category provides the following data connections:

Power BI datasets -

Power BI dataflows -

Common Data Service (Legacy)

Dataverse -

Dataflows -

Other data sources include Microsoft Teams Personal Analytics (Beta).

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-data-sources>

Question 101

CertyIQ

For the sales department at your company, you publish a Power BI report that imports data from a Microsoft Excel file located in a Microsoft SharePoint folder.

The data model contains several measures.

You need to create a Power BI report from the existing data. The solution must minimize development effort.

Which type of data source should you use?

A. Power BI dataset

B. a SharePoint folder

C. Power BI dataflows

D. an Excel workbook

Explanation:

Correct answer A

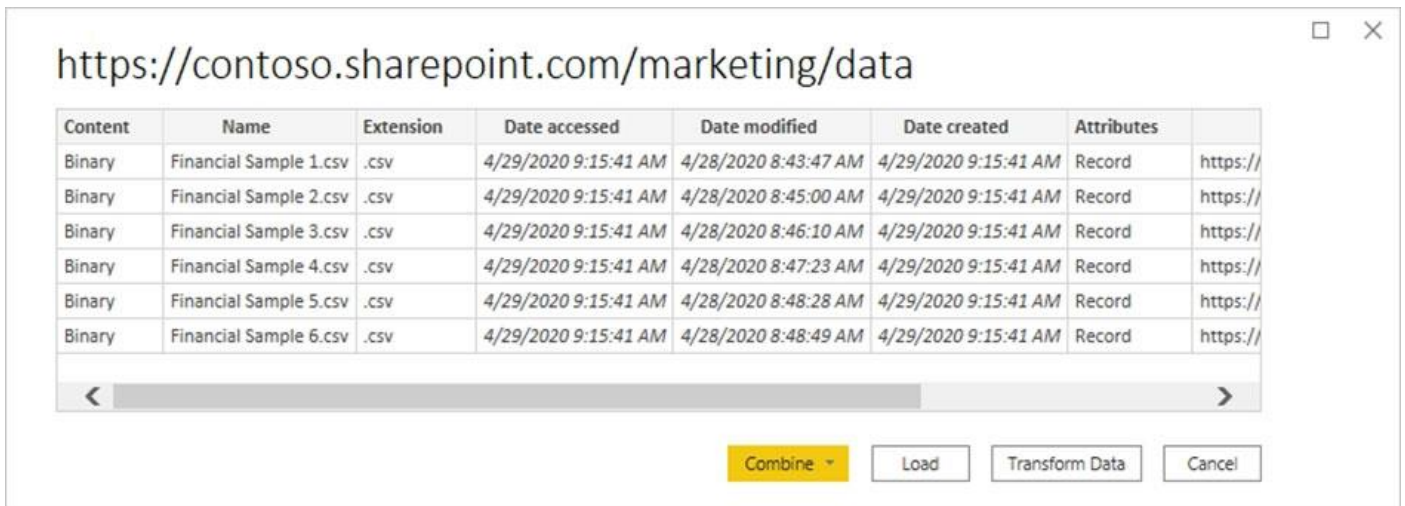
Connect to a SharePoint folder from Power Query Desktop

To connect to a SharePoint folder:

1. From Get Data, select SharePoint folder.
2. Paste the SharePoint site URL you copied in Determine the site URL to the Site URL text box in the SharePoint folder dialog box. In this example, the site URL is <https://contoso.sharepoint.com/marketing/data>. If the site URL you enter is invalid, a warning icon will appear next to the URL text box.

Select OK to continue.

3. If this is the first time you've visited this site address, select the appropriate authentication method. Enter your credentials and choose which level to apply these settings to. Then select Connect.
4. When you select the SharePoint folder you want to use, the file information about all of the files in that SharePoint folder are displayed. In addition, file information about any files in any subfolders is also displayed.



5. Etc.

<https://docs.microsoft.com/en-us/power-query/connectors/sharepointfolder>

CertyIQ

Address contains the following columns:

Each Customer ID represents a unique customer in the Customer table. Each Address ID represents a unique address in the Address table.

You need to create a query that has one row per customer. Each row must contain City, State/Region, and Country for each customer.

What should you do?

A. Merge the Customer and Address tables.

B. Group the Customer and Address tables by the Address ID column.

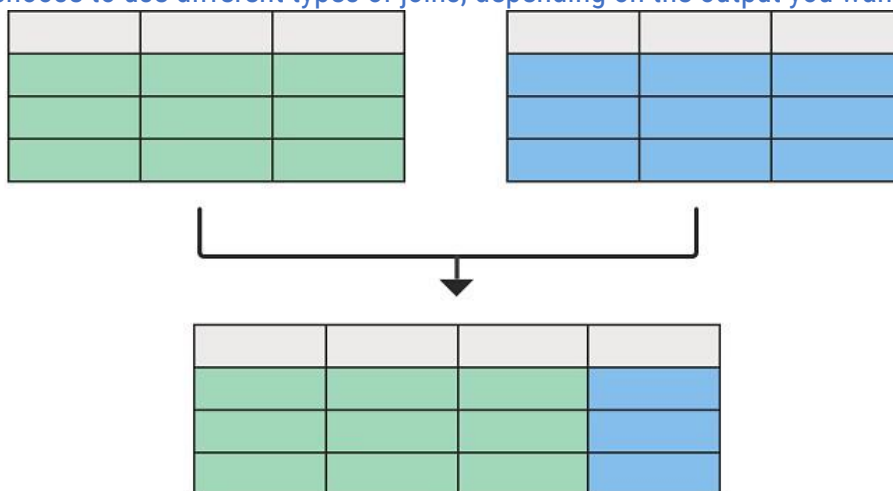
C. Transpose the Customer and Address tables.

D. Append the Customer and Address tables.

Explanation:

Correct answer – A

A merge queries operation joins two existing tables together based on matching values from one or multiple columns. You can choose to use different types of joins, depending on the output you want.



Reference:

<https://docs.microsoft.com/en-us/power-query/merge-queries-overview>

Question 103

CertyIQ

HOTSPOT -

You have two Azure SQL databases that contain the same tables and columns.

For each database, you create a query that retrieves data from a table named Customer.

You need to combine the Customer tables into a single table. The solution must minimize the size of the data model and support scheduled refresh in powerbi.com.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Option to use to combine the Customer tables:

	▼
Append Queries	
Append Queries as New	
Merge Queries	
Merge Queries as New	

Action to perform on the original two SQL database queries:

	▼
Delete the queries	
Disable including the query in report refresh	
Disable loading the query to the data model	
Duplicate the queries	

Correct Answer:

Answer Area

Option to use to combine the Customer tables:

	▼
Append Queries	
Append Queries as New	
Merge Queries	
Merge Queries as New	

Action to perform on the original two SQL database queries:

	▼
Delete the queries	
Disable including the query in report refresh	
Disable loading the query to the data model	
Duplicate the queries	

Explanation:

Correct answer –

Box 1: Append Queries as New -

When you have additional rows of data that you'd like to add to an existing query, you append the query.

There are two append options:

* Append queries as new displays the Append dialog box to create a new query by appending multiple tables.

* Append queries displays the Append dialog box to add additional tables to the current query.

Incorrect: When you have one or more columns that you'd like to add to another query, you merge the queries.

Box 2: Disable loading the query to the data model

By default, all queries from Query Editor will be loaded into the memory of Power BI Model. You can disable the load for some queries, especially queries that used as intermediate transformation to produce the final query for the model.

Disabling Load doesn't mean the query won't be refreshed, it only means the query won't be loaded into the memory. When you click on Refresh model in Power

BI, or when a scheduled refresh happens even queries marked as Disable Load will be refreshed, but their data will be used as intermediate source for other queries instead of loading directly into the model. This is a very basic performance tuning tip, but very important when your Power BI model grows bigger and bigger.

Reference:

<https://docs.microsoft.com/en-us/power-query/append-queries>

<https://radacad.com/performance-tip-for-power-bi-enable-load-sucks-memory-up>

Question 104

CertyIQ

DRAG DROP -

In Power Query Editor, you have three queries named ProductCategory, ProductSubCategory, and Product. Every Product has a ProductSubCategory.

Not every ProductSubCategory has a parent ProductCategory.

You need to merge the three queries into a single query. The solution must ensure the best performance in Power Query.

How should you merge the tables? To answer, drag the appropriate merge types to the correct queries. Each merge 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.

Select and Place:

Join kinds	Answer Area
Full outer	
Inner	
Left anti	
Left outer	
Right anti	
Right outer	

Left Table	Right Table	Join Kind
Product	ProductSubCategory	Join kind
ProductSubCategory	ProductCategory	Join kind

Correct Answer:

Join kinds	Answer Area
Full outer	
Inner	
Left anti	
Left outer	
Right anti	
Right outer	

Left Table	Right Table	Join Kind
Product	ProductSubCategory	Inner
ProductSubCategory	ProductCategory	Left outer

Explanation:

Correct answer –

Box 1: Inner -

Every Product has a ProductSubCategory.

A standard join is needed.

One of the join kinds available in the Merge dialog box in Power Query is an inner join, which brings in only matching rows from both the left and right tables.

Box 2: Left outer -

Not every ProductSubCategory has a parent ProductCategory.

One of the join kinds available in the Merge dialog box in Power Query is a left outer join, which keeps all the rows from the left table and brings in any matching rows from the right table.

Reference:

<https://docs.microsoft.com/en-us/power-query/merge-queries-inner> <https://docs.microsoft.com/en-us/power-query/merge-queries-left-outer>

Question 105

CertyIQ

You are building a Power BI report that uses data from an Azure SQL database named erp1.
You import the following tables.

Name	Description
Products	Contains the product catalog
Orders	Contains high-level information about orders
Order Line Items	Contains the product ID, quantity, and price details of an order

You need to perform the following analyses:

- ☞ Orders sold over time that include a measure of the total order value
- Orders by attributes of products sold

The solution must minimize update times when interacting with visuals in the report.
What should you do first?

A. From Power Query, merge the Order Line Items query and the Products query.

B. Create a calculated column that adds a list of product categories to the Orders table by using a DAX function.

C. Calculate the count of orders per product by using a DAX function.

D. From Power Query, merge the Orders query and the Order Line Items query.

Explanation:

Correct answer – A

because we need to get " Orders sold over time that include a measure of the total order value Orders by attributes of products sold"

Order line detail for quantities ordered, and product for product's attribute

Question 106

CertyIQ

You have a Microsoft SharePoint Online site that contains several document libraries.

One of the document libraries contains manufacturing reports saved as Microsoft Excel files. All the manufacturing reports have the same data structure.

You need to use Power BI Desktop to load only the manufacturing reports to a table for analysis.

What should you do?

A. Get data from a SharePoint folder and enter the site URL. Select Transform, then filter by the folder path to the manufacturing reports library.

B. Get data from a SharePoint list and enter the site URL. Select Combine & Transform, then filter by the folder path to the manufacturing reports library.

C. Get data from a SharePoint folder, enter the site URL, and then select Combine & Load.

D. Get data from a SharePoint list, enter the site URL, and then select Combine & Load.

Explanation:

Correct answer – A

SharepointFolder 'combine&load' should load all files and not only Manufacturing ones so this should exclude answer C.

Sharepointlist doesn't have 'Combine&Transform', 'Combine&Load' options so this excludes answers B and D

(<https://docs.microsoft.com/en-us/power-query/connectors/sharepointlist>)

Get Data from SharePoint folder + select Combine & Load to load the data from all of the files in the SharePoint folder directly into your app.

Note: Connect to a SharePoint folder from Power Query Desktop

To connect to a SharePoint folder:

1. From Get Data, select SharePoint folder.

2. Paste the SharePoint site URL you copied in Determine the site URL to the Site URL text box in the SharePoint folder dialog box. In this example, the site URL is <https://contoso.sharepoint.com/marketing/data>. If the site URL you enter is invalid, a warning icon. warning icon will appear next to the URL text box.

SharePoint folder selection.

3. Select OK to continue.

4. If this is the first time you've visited this site address, select the appropriate authentication method. Enter your credentials and choose which level to apply these settings to. Then select Connect.

5. When you select the SharePoint folder you want to use, the file information about all of the files in that SharePoint folder are displayed. In addition, file information about any files in any subfolders is also displayed.

6. Select Combine & Transform Data to combine the data in the files of the selected SharePoint folder and load the data into the Power Query Editor for editing. Or select Combine & Load to load the data from all of the files in the SharePoint folder directly into your app.

Reference:

<https://docs.microsoft.com/en-us/power-query/connectors/sharepointfolder>

Question 107

CertyIQ

DRAG DROP -

You have a Microsoft Excel workbook that contains two sheets named Sheet1 and Sheet2.

Sheet1 contains the following table named Table1.

Products
abc
def
ghi
jkl
mno

Sheet2 contains the following table named Table2.

Products
abc
xyz
tuv
mno
pqr
stu

You need to use Power Query Editor to combine the products from Table1 and Table2 into the following table that has one column containing no duplicate values.

Products
abc
xyz
tuv
mno
pqr
stu
def
ghi
jkl

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.

Select and Place:

Actions

- From Power Query Editor, remove errors from the table.
- From Power Query Editor, select **Table1**, and then select **Remove duplicates**.
- From Power Query Editor, merge Table1 and Table2.
- From Power BI Desktop, import the data from Excel, and select **Table1** and **Table2**.
- From Power Query Editor, append Table2 to Table1.



Answer Area



Correct Answer:

Actions

From Power Query Editor, merge Table1 and Table2.
From Power BI Desktop, import the data from Excel, and select Table1 and Table2 .

Answer Area

From Power Query Editor, append Table2 to Table1.
From Power Query Editor, remove errors from the table.
From Power Query Editor, select Table1 , and then select Remove duplicates .



Explanation:

Correct answer –

Import From Excel

Append Table 2 to Table 1

Remove Duplicates

Import From Excel since it has not been loaded to Powerbi initially

Append Table 2 to Table 1

Remove Duplicates from the table appended to (Table1)

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-shape-and-combine-data>

Question 108

CertyIQ

You have a CSV file that contains user complaints. The file contains a column named Logged. Logged contains the date and time each complaint occurred. The data in Logged is in the following format: 2018-12-31 at 08:59.

You need to be able to analyze the complaints by the logged date and use a built-in date hierarchy.

What should you do?

A. Apply a transformation to extract the last 11 characters of the Logged column and set the data type of the new column to Date.

B. Change the data type of the Logged column to Date.

C. Split the Logged column by using at as the delimiter.

D. Apply a transformation to extract the first 11 characters of the Logged column.

Explanation:

Correct answer – C is best approach

Split the Logged column by using "at" as the delimiter.

A is wrong since you extract last 11

B is wrong cause it retrieves an error when changing type without transformation

C and D achieve same results but with one difference: if you split through a delimiter the resulting columns have data type automatically updated (date type and time type)

If you extract first 11 characters from a text type column you will still have a text type column as a result.

Question 109

CertyIQ

You have a Microsoft Excel file in a Microsoft OneDrive folder.

The file must be imported to a Power BI dataset.

You need to ensure that the dataset can be refreshed in powerbi.com.

Which two connectors can you use to connect to the file? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Excel Workbook

B. Text/CSV

C. Folder

D. SharePoint folder

E. Web

Explanation:

Correct answer – AC

A: Connect to an Excel workbook from Power Query Desktop

To make the connection from Power Query Desktop:

1. Select the Excel option in the connector selection.

2. Browse for and select the Excel workbook you want to load. Then select Open.

3. Etc.

C: Folder connector capabilities supported

Folder path -

Combine -

Combine and load -

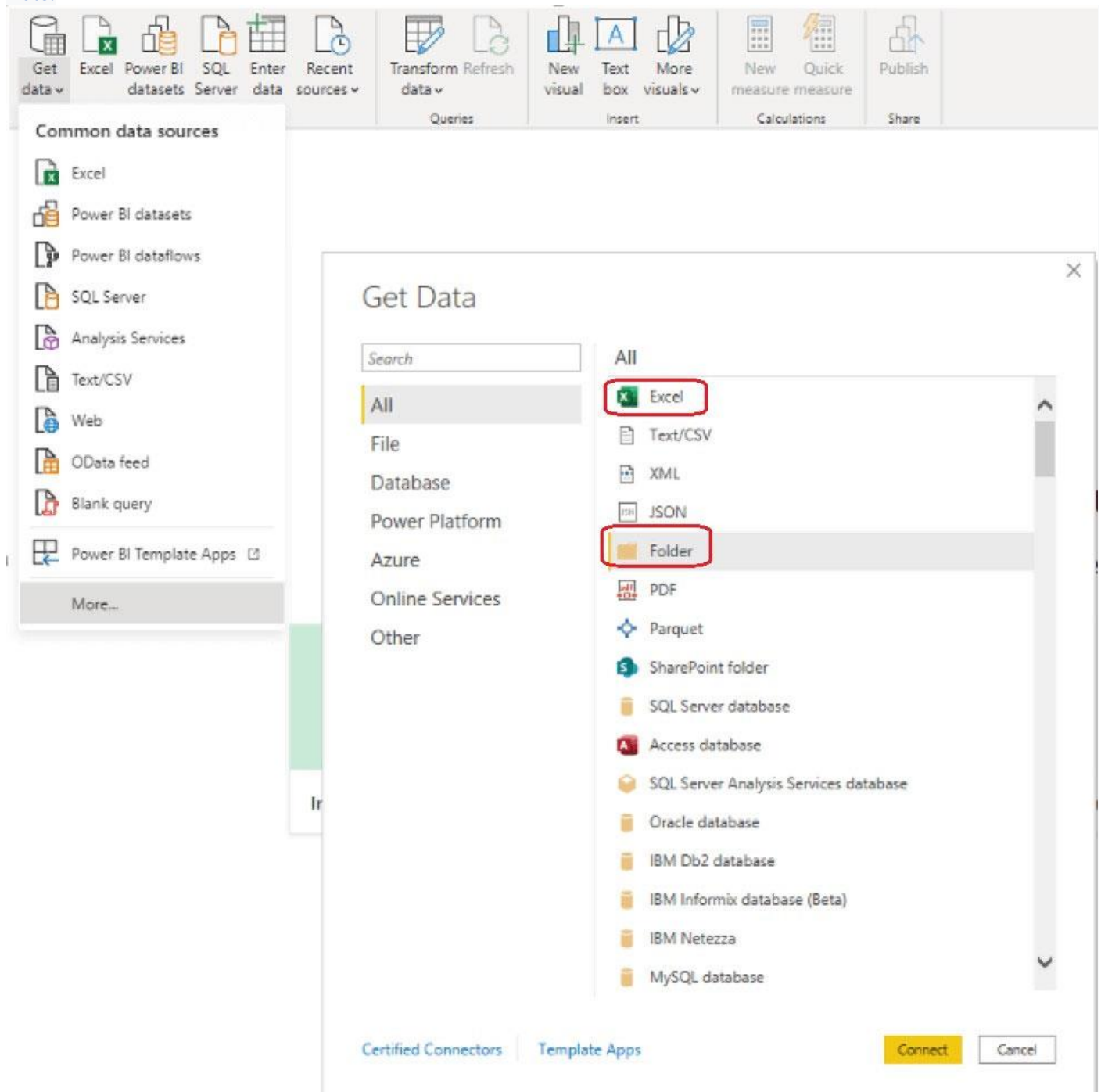
Combine and transform -

Connect to a folder from Power Query Online

To connect to a folder from Power Query Online:

1. Select the Folder option in the connector selection.
2. Enter the path to the folder you want to load.

Note:



Reference:

<https://docs.microsoft.com/en-us/power-query/connectors/excel> <https://docs.microsoft.com/en-us/power-query/connectors/folder>

Question 110

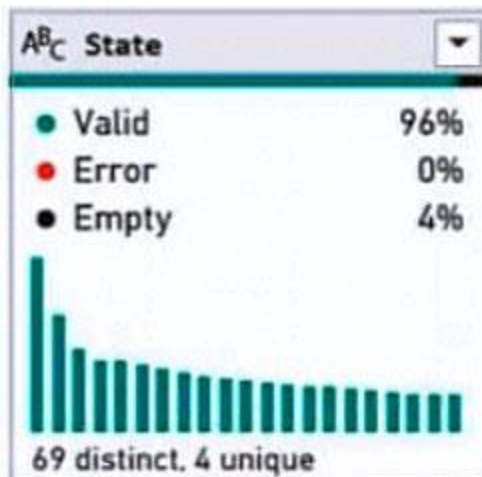
CertyIQ

HOTSPOT -

You are profiling data by using Power Query Editor.

You have a table named Reports that contains a column named State. The distribution and quality data metrics

for the data in State is 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.

Hot Area:

Answer Area

There are [answer choice] different values in State including nulls.

4
65
69
73

There are [answer choice] non-null values that occur only once in State.

4
65
69
73

Answer Area

There are [answer choice] different values in State including nulls.

4
65
69
73

Correct Answer:

There are [answer choice] non-null values that occur only once in State.

4
65
69
73

Explanation:

Correct answer –

Box 1: 69 -

69 distinct/different values.

Note: Column Distribution allows you to get a sense for the overall distribution of values within a column in your data previews, including the count of distinct values (total number of different values found in a given column) and unique values (total number of values that only appear once in a given column).

Box 2: 4 -

Reference:

<https://systemmanagement.ro/2018/10/16/power-bi-data-profiling-distinct-vs-unique/>

Question 111

CertyIQ

HOTSPOT -

You have two CSV files named Products and Categories.

The Products file contains the following columns:

- ProductID
- ProductName
- SupplierID
- CategoryID

The Categories file contains the following columns:

- CategoryID
- CategoryName
- CategoryDescription

From Power BI Desktop, you import the files into Power Query Editor.

You need to create a Power BI dataset that will contain a single table named Product. The Product table includes the following columns:

- ProductID

- ☞ ProductName
- ☞ SupplierID
- ☞ CategoryID
- ☞ CategoryName
- ☞ CategoryDescription

How should you combine the queries, and what should you do on the Categories query? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Combine the queries by performing a:

Append
Merge
Transpose

On the Categories query:

Delete the query.
Disable the query load.
Exclude the query from report refresh.

Correct Answer:

Answer Area

Combine the queries by performing a:

Append
Merge
Transpose

On the Categories query:

Delete the query.
Disable the query load.
Exclude the query from report refresh.

Explanation:

Correct answer –

Box 1: Merge -

There are two primary ways of combining queries: merging and appending.

* When you have one or more columns that you'd like to add to another query, you merge the queries.

* When you have additional rows of data that you'd like to add to an existing query, you append the query.

Box 2: Disable the query load -

Managing loading of queries -

In many situations, it makes sense to break down your data transformations in multiple queries. One popular example is merging where you merge two queries into one to essentially do a join. In this type of situations, some queries are not relevant to load into Desktop as they are intermediate steps, while they are still required for your data transformations to work correctly. For these queries, you can make sure they are not loaded in Desktop by un-checking 'Enable load' in the context menu of the query in Desktop or in the Properties screen:

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-shape-and-combine-data>
<https://docs.microsoft.com/en-us/power-bi/connect-data/refresh-include-in-report-refresh>

Question 112

You have an Azure SQL database that contains sales transactions. The database is updated frequently.

You need to generate reports from the data to detect fraudulent transactions. The data must be visible within five minutes of an update.

How should you configure the data connection?

- A. Add a SQL statement.
- B. Set the Command timeout in minutes setting.
- C. Set Data Connectivity mode to Import.

D. Set Data Connectivity mode to DirectQuery.

Explanation:

Correct answer – D

DirectQuery: No data is imported or copied into Power BI Desktop. For relational sources, the selected tables and columns appear in the Fields list. For multi-dimensional sources like SAP Business Warehouse, the dimensions and measures of the selected cube appear in the Fields list. As you create or interact with a visualization, Power BI Desktop queries the underlying data source, so you're always viewing current data.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/desktop-use-directquery>

Question 113

DRAG DROP -

You have a folder that contains 100 CSV files.

You need to make the file metadata available as a single dataset by using Power BI. The solution must NOT store the data of the CSV files.

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.
Select and Place:

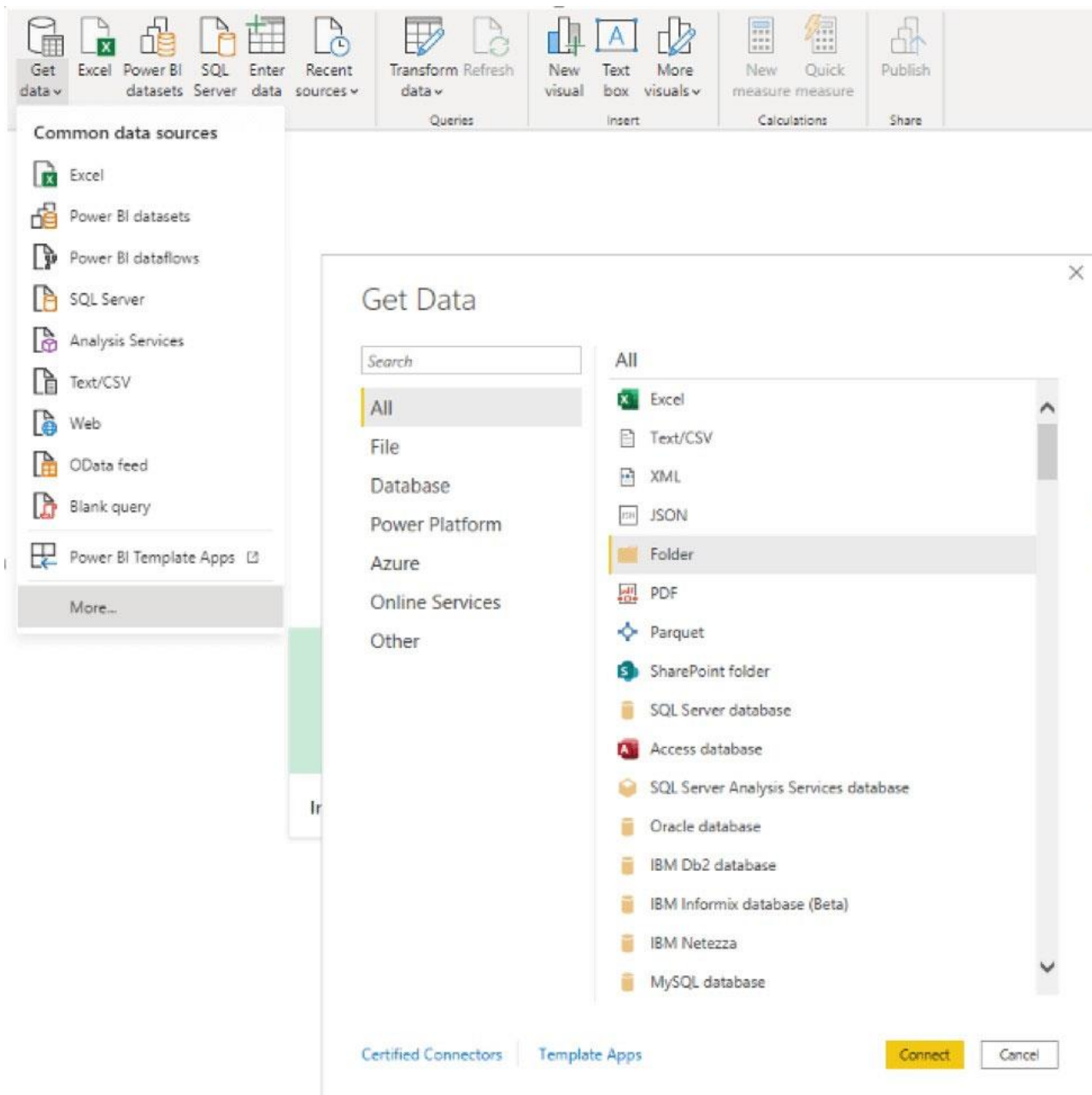
Correct Answer:

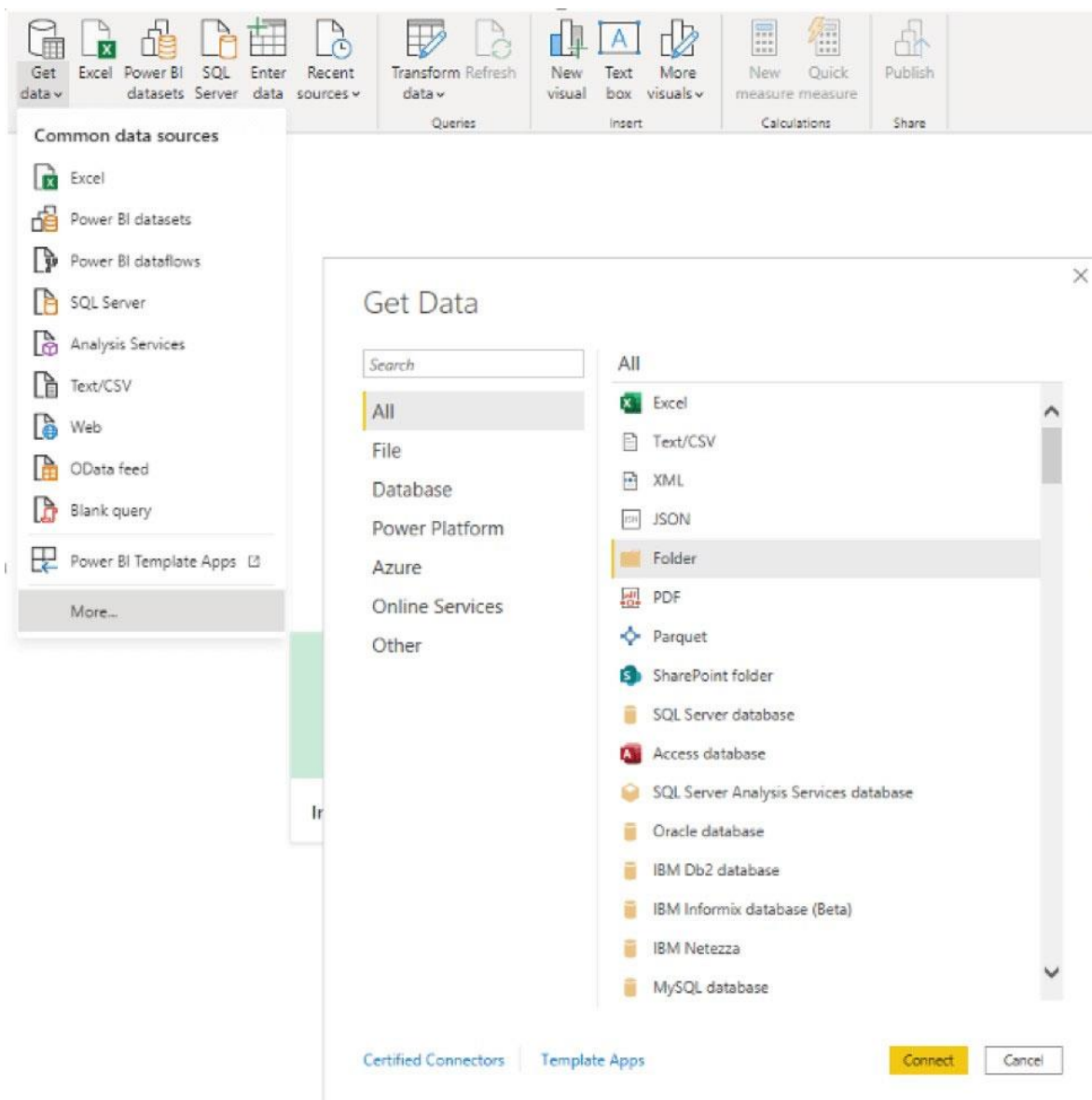
Explanation:

Correct answer –

1. Get data and select folder
2. Remove the content column
3. Expand the attributes column

You'll have only metadata of the files remaining.





Reference:

<https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-combine-binaries>

Question 114

A business intelligence (BI) developer creates a dataflow in Power BI that uses DirectQuery to access tables from an on-premises Microsoft SQL server. The

Enhanced Dataflows Compute Engine is turned on for the dataflow.

You need to use the dataflow in a report. The solution must meet the following requirements:

- ☞ Minimize online processing operations.
- ☞ Minimize calculation times and render times for visuals.
- ☞ Include data from the current year, up to and including the previous day.

What should you do?

- A. Create a dataflows connection that has DirectQuery mode selected.
- B. Create a dataflows connection that has DirectQuery mode selected and configure a gateway connection for the dataset.
- C. Create a dataflows connection that has Import mode selected and schedule a daily refresh.**
- D. Create a dataflows connection that has Import mode selected and create a Microsoft Power Automate solution to refresh the data hourly.

Explanation:

Correct answer – C

A daily update is adequate.

When you set up a refresh schedule, Power BI connects directly to the data sources using connection information and credentials in the dataset to query for updated data, then loads the updated data into the dataset. Any visualizations in reports and dashboards based on that dataset in the Power BI service are also updated.

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/refresh-desktop-file-local-drive>

Question 115

You are creating a report in Power BI Desktop.

You load a data extract that includes a free text field named coll.

You need to analyze the frequency distribution of the string lengths in col1. The solution must not affect the size of the model.

What should you do?

- A. In the report, add a DAX calculated column that calculates the length of col1
- B. In the report, add a DAX function that calculates the average length of col1
- C. From Power Query Editor, add a column that calculates the length of col1

D. From Power Query Editor, change the distribution for the Column profile to group by length for col1

Explanation:

Correct answer – D

Wrong answer, A will affect the size of the model as would C.

B doesn't give you enough information about the distribution (just the average)

D is the right answer.

B) is wrong, gives average not length

A) gives the length as C), but calculated columns perform worse than Power Query

C) gives the length but the column affects (a little) the size of the model

D) allows an analysis only from Power Query, and does not increase the size of the model but the length cannot be used in the dashboard

So, C or D? Since the question says:

- You need to analyze the frequency distribution
- The solution must not affect the size of the model

I would go for D).

Question 116

You have a collection of reports for the HR department of your company. The datasets use row-level security (RLS). The company has multiple sales regions.

Each sales region has an HR manager.

You need to ensure that the HR managers can interact with the data from their region only. The HR managers must be prevented from changing the layout of the reports.

How should you provision access to the reports for the HR managers?

A. Publish the reports in an app and grant the HR managers access permission.

B. Create a new workspace, copy the datasets and reports, and add the HR managers as members of the workspace.

C. Publish the reports to a different workspace other than the one hosting the datasets.

D. Add the HR managers as members of the existing workspace that hosts the reports and the datasets.

Explanation:

Correct answer – A

because in the Power BI service, members of a workspace have access to datasets in the workspace. RLS doesn't restrict this data access.

Question 117

You need to provide a user with the ability to add members to a workspace. The solution must use the principle of least privilege.

Which role should you assign to the user?

- A. Viewer
- B. Admin
- C. Contributor

D. Member

Explanation:

Correct answer – D

Member role allows adding members or other with lower permissions to the workspace.

Workspace roles

Capability	Admin	Member	Contributor	Viewer
Update and delete the workspace.	✓			
Add/remove people, including other admins.	✓			
Allow Contributors to update the app for the workspace	✓			
Add members or others with lower permissions.	✓	✓		

Reference:

<https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-roles-new-workspaces>

Question 118

You have a Power BI query named Sales that imports the columns shown in the following table.

Name	Description	Sample value
ID	A unique value that represents a sale	10253
Sale_Date	Sales date A column to extract the date of the sale	2021-11-23T09:53:00
Customer_ID	Represents a unique customer ID number	13158
Delivery_Time	Elapsed delivery time in hours Can contain null values	51.52
Status	Sales status Contains only the following two values: Finished and Canceled	Finished
Canceled_Date	Cancellation date and time Can contain null values	2021-11-24T14:11:23

Users only use the date part of the Sales_Date field. Only rows with a Status of Finished are used in analysis. You need to reduce the load times of the query without affecting the analysis. Which two actions achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Remove the rows in which Sales[Status] has a value of Canceled.

B. Remove Sales[Sales_Date].

C. Change the data type of Sale[Delivery_Time] to Integer.

D. Split Sales[Sale_Date] into separate date and time columns.

E. Remove Sales[Canceled Date].

Explanation:

Correct answer – AD

A: Removing uninteresting rows will increase query performance.

D: Splitting the Sales_Date column will make comparisons on the Sales date faster.

Question 119

You build a report to analyze customer transactions from a database that contains the tables shown in the following table.

Table name	Column name
Customer	CustomerID (primary key)
	Name
	State
	Email
Transaction	TransactionID (primary key)
	CustomerID (foreign key)
	Date
	Amount

You import the tables.
Which relationship should you use to link the tables?

- A. one-to-many from Transaction to Customer
- B. one-to-one between Customer and Transaction
- C. many-to-many between Customer and Transaction

D. one-to-many from Customer to Transaction

Explanation:

Correct answer – D

One on the primary Key side (customer table), many on the foreign key side (Transaction table) of the relation.

Question 120

CertyIQ

You have a custom connector that returns ID, From, To, Subject, Body, and Has Attachments for every email sent during the past year. More than 10 million records are returned.

You build a report analyzing the internal networks of employees based on whom they send emails to.

You need to prevent report recipients from reading the analyzed emails. The solution must minimize the model size.

What should you do?

A. From Model view, set the Subject and Body columns to Hidden.

B. Remove the Subject and Body columns during the import.

C. Implement row-level security (RLS) so that the report recipients can only see results based on the emails they sent.

Explanation:

Correct answer – B "prevent report recipients from reading the analyzed emails"

The Subject and the Body are not needed in the report. Dropping them resolves the security problem and minimizes the model.

End of Part 3



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