



# PL-400<sup>Q&As</sup>

Microsoft Power Platform Developer

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### QUESTION 1

DRAG DROP

You are creating technical designs for several complex business processes.

You need to implement custom business logic based on the requirements.

Which implementation methods should you use? To answer, drag the appropriate implementation methods to the correct requirements. Each implementation method 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:

#### Implementation methods

Business rule

JavaScript code

Power Automate flow

Plug-in

#### Answer Area

##### Requirement

Access current and new values when data is updated.

Run on a schedule.

##### Implementation method

Correct Answer:

#### Implementation methods

JavaScript code

Plug-in

#### Answer Area

##### Requirement

Access current and new values when data is updated.

Run on a schedule.

##### Implementation method

Business rule

Power Automate flow



#### Box 1: Business rule

You can create business rules and recommendations to apply logic and validations without writing code or creating plugins. Business rules provide a simple interface to implement and maintain fast-changing and commonly used rules.

By combining conditions and actions, you can do any of the following with business rules:

1.

Set column values

2.

Clear column values

3.

Set column requirement levels

4.

Show or hide columns

5.

Enable or disable columns

6.

Validate data and show error messages

Create business recommendations based on business intelligence.

#### Box 2: Power Automate flow

You can create a cloud flow that performs one or more tasks (such as sending a report in email):

1.

Once a day, an hour, or a minute

2.

On a date that you specify After a number of days, hours, or minutes that you specify

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### QUESTION 2

#### DRAG DROP

An organization has a Dynamics 365 Sales environment.

You need to create a Power Apps component.

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**

**Answer Area**

Run the following `npm run build` command.

Run the `pac pcf init --namespace SampleNamespace --name ControlName --template field` command

Run the `pac solution init --publisher-name developer -publisher-prefix dev` command.



Run the `npm install` command.

Create a project folder.



Correct Answer:

**Actions**

**Answer Area**

Run the `pac solution init --publisher-name developer -publisher-prefix dev` command.



Create a project folder.

Run the `pac pcf init --namespace SampleNamespace --name ControlName --template field` command

Run the `npm install` command.

Run the following `npm run build` command.



**QUESTION 3**

DRAG DROP



You create a new canvas app.

You update a test case and must test the app in a separate browser.

You need to test the app by using Test Studio.

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.

Select and Place:

**Actions**

**Answer Area**

- Select a test suite
- Publish the test
- Select the OnTestSuiteComplete action
- Select Copy play link
- Open a browser and paste the URL for the app into the address bar
- Send the results from the test to a flow in Power Automate



Correct Answer:



### Actions

Select the OnTestSuiteComplete action

Send the results from the test to a flow in Power Automate

### Answer Area

Select a test suite

Select Copy play link

Publish the test

Open a browser and paste the URL for the app into the address bar

Step 1: Select a test suite

Step 2: Select Copy play link

Playing tests in a browser

You can copy a link to play a test in separate browser outside Test Studio. It helps integrate your tests in a continuous build and release pipeline such as Azure DevOps.

The play link for the selected test is persisted. It doesn't change for the test suite or test case. You can update your tests without the need to modify build and release processes.

To play tests in your browser:

1.

Select a test suite or test case in the right pane.

2.

Select Copy play link.

3.

You're prompted to publish your tests if there are any unpublished changes.

4.

You can select to skip the publish process and copy the play link. New test changes don't play if you skip.

5.



Open a browser and paste the URL into the address bar to play the test.

6.

View your test playing back. Step 3: Publish the test Step 4: Open a browser and paste the URL for the app into the address bar Reference: <https://docs.microsoft.com/en-us/power-apps/maker/canvas-apps/working-with-test-studio>

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#### QUESTION 4

You create a Power Automate flow that retrieves data from a proprietary database.

You need to ensure that the flow works for other users.

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

NOTE: Each correct selection is worth one point.

- A. Share a view with users.
- B. Share the custom connector with users.
- C. Share the flow with users.
- D. Share the environment by giving permissions to the users.

Correct Answer: BC

Share the flow and the custom connector with users.

B: Share a custom connector in your organization.

If you have a custom connector, you might want to enable other people to use it. People within your organization can use the custom connector just like they use other Microsoft-managed connectors.

C: Also share the flow.

Reference:

<https://docs.microsoft.com/en-us/connectors/custom-connectors/share>

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#### QUESTION 5

A company is creating a Power Apps portal to collaborate with vendors.

You need to implement custom functionality in the portal by using JavaScript code.

Which two portal entities can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Web pages
- B. Web resources



C. Webforms

D. Entity lists

Correct Answer: CD

C: The Web Form Step record contains a field named Custom JavaScript that can be used to store JavaScript code to allow you to extend or modify the form's visual display or function.

D: You can add custom Javascripts to Entity lists.

Reference: <https://docs.microsoft.com/en-us/powerapps/maker/portals/configure/add-custom-javascript>  
<https://docs.microsoft.com/en-us/powerapps/maker/portals/configure/entity-lists#add-custom-javascript>

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### QUESTION 6

You are developing a new Power Platform app.

The checker fails with an error due to missing security roles.

You need to add security roles to the Power Apps Checker application user.

Which two security roles should you add? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Global Discover Service Role

B. Export Customizations

C. Environment Maker

D. Solution Checker

E. Resource Manager

Correct Answer: BD

Before you are able to run it, make sure you have the proper Security Roles in your Microsoft Dataverse environment. Two of the required permissions are Export Customizations and Solution Checker.

Reference:

<https://learntoinspire.ca/2020/01/18/leveraging-the-power-of-solution-checker/>

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### QUESTION 7

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.

An organization has an Azure SQL Database instance that must be synchronized daily with data from Dynamics 365 Sales. A large amount of data might need to be synchronized on some days.

You need to reduce the time required to synchronize data.

Solution:

Write a SSIS package to connect to the source and target. Develop the SSIS package to find the records by the Modified on field. Create or update the records in the database instance based on results.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Instead enable change tracking for entities that will be synchronized, and use the Data Export Service to sync data between the database and Dynamics 365 Sales.

Reference: <https://docs.microsoft.com/en-us/power-platform/admin/enable-change-tracking-control-data-synchronization>  
<https://docs.microsoft.com/en-us/power-platform/admin/replicate-data-microsoft-azure-sql-database>

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## QUESTION 8

The communication department for a company plans to add a publicly accessible survey page to the company's public website.

You must add the new survey page to the company's public website and capture data from the page to a Common Data Service environment.

Explicit user credentials must not be required to write survey data to Common Data Service.

You need to implement authentication.

Which authentication mechanism should you implement?

A. Microsoft 365

B. X.509 certificate

C. OAuth2.0

D. Claims-based

Correct Answer: C

OAuth is the preferred means to authenticate because it provides access to both the OData RESTful web services (Web API and OData global Discovery service) as well as to the SOAP web services (Organization service and Discovery service).



OAuth is also required to support:

Azure Active Directory configurations for conditional access, such as Two-factor Authentication (2FA)

Use of client secrets to enable server-to-server authentication scenarios. Cross-Origin Resource Sharing (CORS) to connect a Single-page Application (SPA)

Reference:

<https://docs.microsoft.com/en-us/powerapps/developer/data-platform/authentication>

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## QUESTION 9

A company implements Dynamics 365 Customer Service. The company deploys synchronous plug-ins for the PreOperation and PostOperation stages on create and for the PostOperation stage on update for processing different case type.

Users experience errors when updating cases. The plug-in trace log files show that the PostOperation plug-in update of case times out after two minutes.

You perform basic testing and discover that this plug-in is triggered on every update of a case. You examine the code and discover that the plug-in retrieves all columns for the updated case record performing its work.

You need to reduce the number of errors. You need to achieve this goal with the test amount of changes.

Solution:

\*

In the Plug-in Registration tool, add a post Image to the plug-in step and include the Fields that the plug-in needs.

\*

Remove the retrieves statement from the plug-in code and reference the post image. Does the solution meet the goal?

A.

Yes

B.

No

Correct Answer: A

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## QUESTION 10

A company uses five different shipping companies to deliver products to customers. Each shipping company has a separate service that quotes delivery fees for destination addresses.

You need to design a custom connector that retrieves the shipping fees from all the shipping companies by using their APIs.



Which three elements should you define for the custom connector? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Authentication model
- B. Address parameter
- C. OpenAPI definition
- D. Fee parameter
- E. Fee reference

Correct Answer: ABC

C: You can create a custom connector using a OpenAPI definition file or a URL to OpenAPI definition.

B: On the Security page you get to choose how to authenticate to the API.

← Connector Name Trefle

1. General > 2. Security > 3. Definition > 4. Test ✓ Create connector ✕ Cancel

### Security

Choose the authentication type and fill in the required fields to set the security for your custom connector. [Learn more](#)

#### Authentication type

Choose what authentication is implemented by your API \*

API Key

[Edit](#)

#### API Key

Users will be required to provide the API Key when creating a connection

Parameter label \*

API Key

Parameter name \*

API-nyckel

Parameter location \*

Header

[Edit](#)

← General Definition →

A: If you were to create a Custom Connector from scratch, then you would have to study the API you have chosen and type in the URL manually here.



**Request** + Import from sample

**Verb \***  
The verb describes the operations available on a single path.

**GET**

**URL \***  
This is the request URL.

`https://trefle.io/api/plants/{id}`

**Path**  
Path is used together with Path Templating, where the parameter value is actually part of the operation's URL.

`* id ...`

**Query**  
Query parameters are appended to the URL. For example, in `/items?id=####`, the query parameter is `id`.

`* token ...`

**Headers**  
These are custom headers that are part of the request.

**Body**  
The body is the payload that's appended to the HTTP request. There can only be one body parameter.

Reference: <https://carinaclaesson.com/2019/09/06/setting-up-a-custom-connector-from-an-openapi-file-and-utilizing-it-in-powerapps-and-flow/>

## QUESTION 11

### DRAG DROP

You are designing new functionality for an existing model-driven app.

A field must display multiple selections to the user, enabling the user to select a value.



You need to determine which column type can support the required scenarios.

Which column type should you use? To answer, drag the appropriate column types to the correct scenarios. Each column 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:

### Column types

- Global choice
- Lookup
- Global choice and Lookup

### Answer Area

Scenario	Column Type
Remove a selection from being available without modifying existing records.	Column types
Must be completely deployed by using a solution.	Column types
Same set of selections can be used on multiple tables.	Column types

Correct Answer:



### Column types

  
  

### Answer Area

Scenario	Column Type
Remove a selection from being available without modifying existing records.	Lookup
Must be completely deployed by using a solution.	Global choice and Lookup
Same set of selections can be used on multiple tables.	Global choice

Box 1: Lookup

The LookUp function finds the first record in a table that satisfies a formula. Use LookUp to find a single record that matches one or more criteria.

Besides the normal formula operators, you can use the in and exactin operators for substring matches.

[!INCLUDE [record-scope]../includes/record-scope.md)]

Example:

Filter(IceCream, OnOrder > 0) - Returns records where OnOrder is greater than zero.

Box 2: Global choice and Lookup

Box 3: Global choice

A choice column provides a list of values for users to pick from. They help streamline data entry in turn ensuring clean data. There are two types - local and global. Local choices can be local to the table and column that they are created for.

They cannot be reused on other tables. For example, a list of statuses for an application may not apply anywhere else (e.g. Submitted, In Review, Approved, Rejected). On the other hand, global choices are available across all tables and

columns allowing them to be reused.

Reference:



<https://docs.microsoft.com/en-us/power-platform/power-fx/reference/function-filter-lookup>

<https://thepoweraddict.com/how-to-work-with-choice-columns-in-dataverse/>

## QUESTION 12

### DRAG DROP

You are a Power Platform developer.

Users report several access issues.

You need to resolve the user access issues.

What should you use? To answer, drag the appropriate security options to the correct scenarios. Each security option 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:

#### Security options

DLP policy

GDPR compliance

Conditional access

Exfiltration blocking

#### Answer Area

##### Issues

A user is not able to sign into a Power Apps app from home.

A user is not able to use a social media connector in a flow that uses the Microsoft Teams connector.

A user is not able to forward email messages to an address in another domain.

##### Security option

Security option

Security option

Security option

Correct Answer:

**Security options****Answer Area****Issues**

A user is not able to sign into a Power Apps app from home.

A user is not able to use a social media connector in a flow that uses the Microsoft Teams connector.

A user is not able to forward email messages to an address in another domain.

**Security option**

Box 1: Conditional access You can limit access to users with block access by location to reduce unauthorized access. By using Conditional Access policies, you can apply the right access controls when needed to help keep your organization secure and stay out of your user's way when not needed. Conditional Access analyses signals such as user, device, and location to automate decisions and enforce organizational access policies for resources.

Box 2: DLP policy DLP policies enforce rules for which connectors can be used together by classifying connectors as either Business or Non-Business. If you put a connector in the Business group, it can only be used with other connectors from that group in

any given app or flow. Sometimes you might want to block the usage of certain connectors altogether by classifying them as Blocked.

Box 3: Exfiltration blocking Email exfiltration controls for connectors Microsoft Exchange enables admins to disable email autoforwards and autoreplies to remote domains for external recipients. Exchange does this by using message-type headers, such as Auto Forward received from Outlook and Outlook on web clients.

**QUESTION 13**

You create a Power Apps app that integrates with Dynamics 365 Customer Service.

You update the app and run solution checker on the original solution. You receive an error stating solution checker cannot export the solution.

You need to determine the primary cause for the issue.

What is the primary cause?

- A. The original solution is locked because there is a dependent patch.
- B. The solution was not exported before running solution checker.
- C. The environment is an Administrator mode.
- D. Solution checker cannot check default solutions.

Correct Answer: A





Solution checker fails to export patched solutions. If a solution has had a patch applied, Solution Checker will fail to export the solution for analysis. When a solution has had a patch applied, the original solution becomes locked and it can't be changed or exported as long as there are dependent patches that exist in the organization that identify the solution as the parent solution. To resolve this issue, clone the solution so that all patches related to the solution are rolled into the newly created solution. This unlocks the solution and allows the solution to be exported from the system.

Reference: <https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/common-issues-resolutionssolution-checker#solution-checker-fails-to-export-solutions-with-model-driven-app-components>

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