Lab 1: AI Builder in Power Automate

Power Automate is a service that helps you create automated workflows between your favorite apps and services to synchronize files, get notifications, collect data, and more.

You can use your published AI models, as well as some AI Builder prebuilt models in Power Automate.

Prerequisites for using AI Builder in Power Automate

Before you can use AI Builder in Power Automate, you need:

- An account with access to Power Automate. Then you must configure to use AI Builder.
- Particularly for this Lab, you need an account with access to Teams.
- A trained AI Builder model or an AI Builder prebuilt model.

Next steps

- Use a custom AI Builder model in Power Automate
- Use a prebuilt AI Builder model in Power Automate

Use a prediction model in Power Automate

Important

To use AI Builder models in Power Automate, you have to create the flow inside a solution. The steps below won't work if you don't follow these instructions first: **Create a flow in a solution**.

1. Sign in to Power Automate, select the **My flows** tab, and then select **Create from blank**.
2. Enter a name for your flow.
3. Add new steps to react to updated predictions.

Congratulations! You've created a flow that uses a prediction AI Builder model. Select **Save** on the top right, and then select **Test** to try out your flow.

To learn more about the triggers and actions, see Get started with Power Automate.

Create a flow in a solution

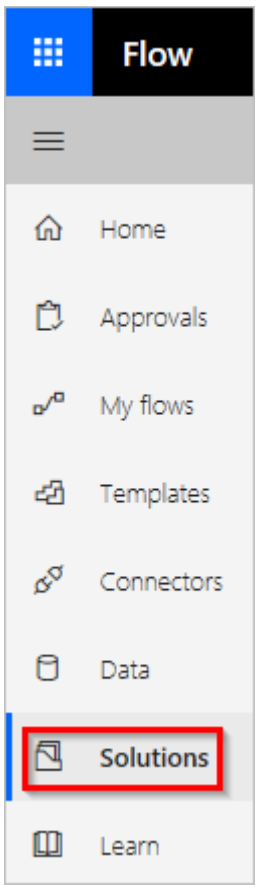
Flows you create in a solution are known as *solution-aware* flows. Follow these steps to create a solution-aware flow.

Prerequisites

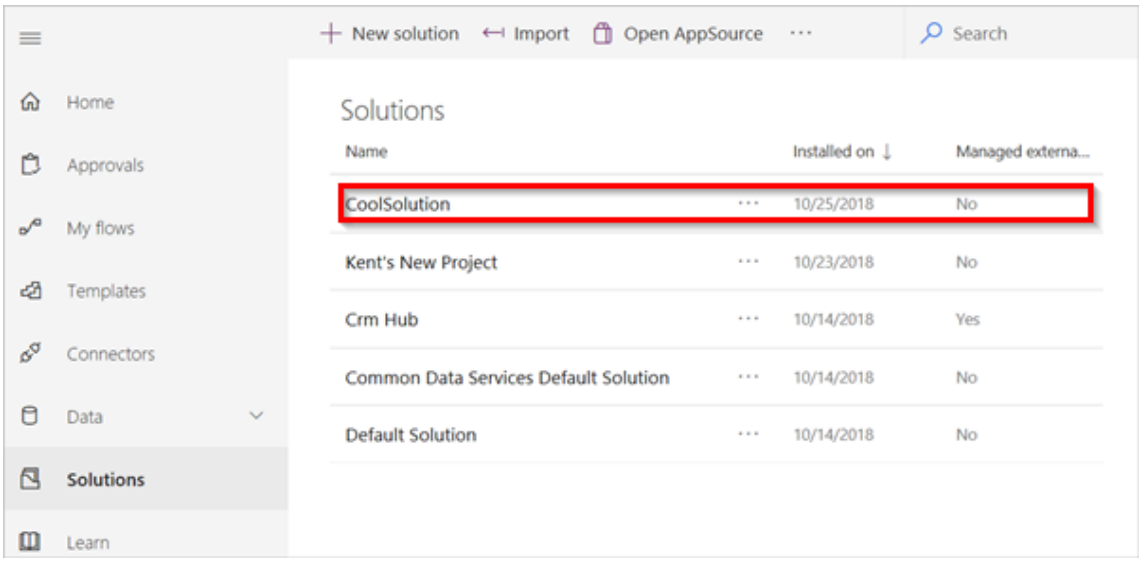
You need to have at least one solution before you can create a solution-aware flow.

Create the flow

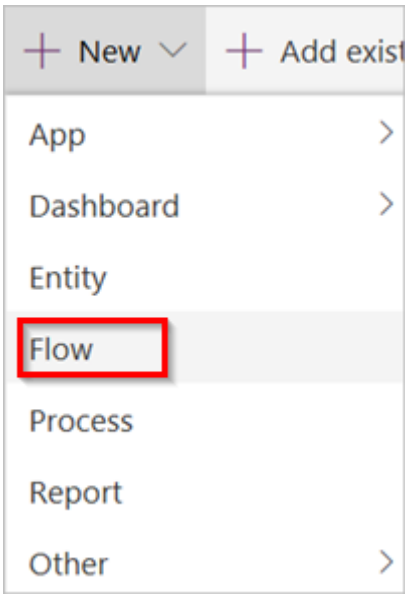
1. Sign in to Power Automate.
2. Select **Solutions** from the navigation bar.



3. Select the solution in which you'll create your flow.



4. Select **+ New**, and then select **Flow**.



Power Automate opens.

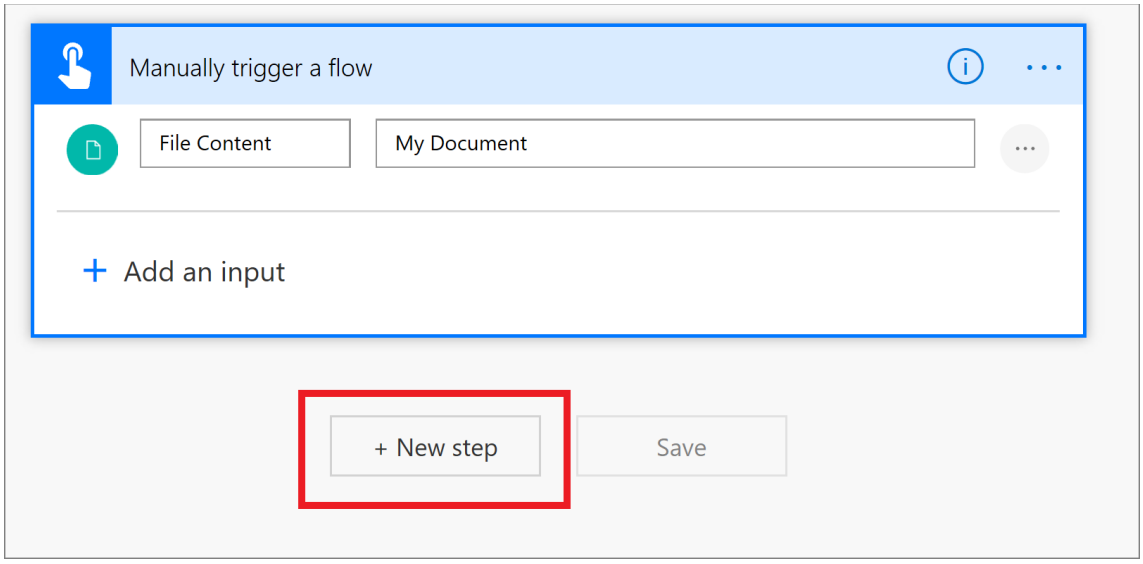
Use form processing model in Power Automate

Important

To use AI Builder models in Power Automate, you have to create the flow inside a solution. The steps below won't work if you don't follow these instructions first: **Create a flow in a solution**.

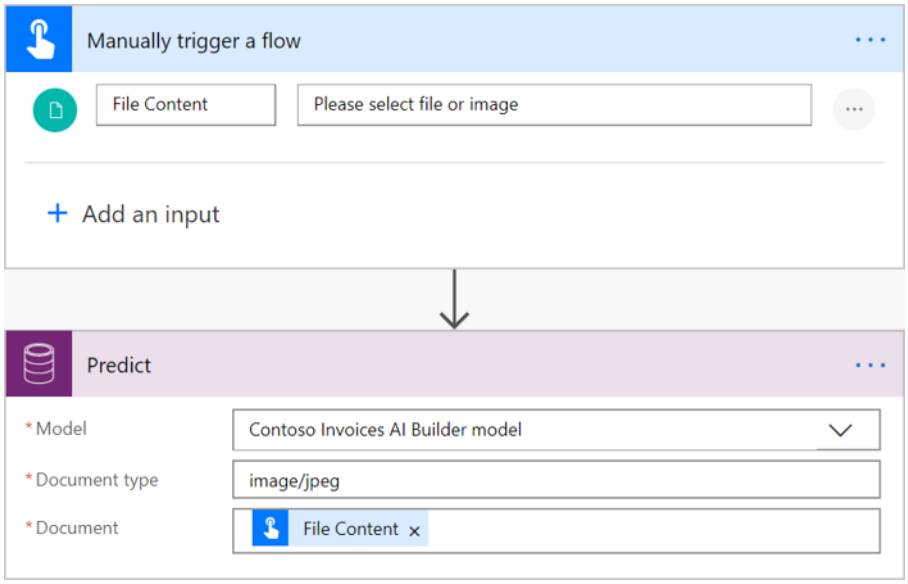
Create your flow

1. Sign in to Power Automate.
2. Select **My flows** in the left-side navigation pane, and then select **Create from blank**.
3. Select **+New** > **+Instant-from blank**.
4. Name your flow, select **Manually trigger a flow** under **Choose how to trigger this flow**, and then select **Create**.
5. Expand **Manually trigger a flow**, select **+Add an input**, and then select **File** as the input type.
6. Select **+ New step**. Don't worry about the file information fields at this point - that comes later.



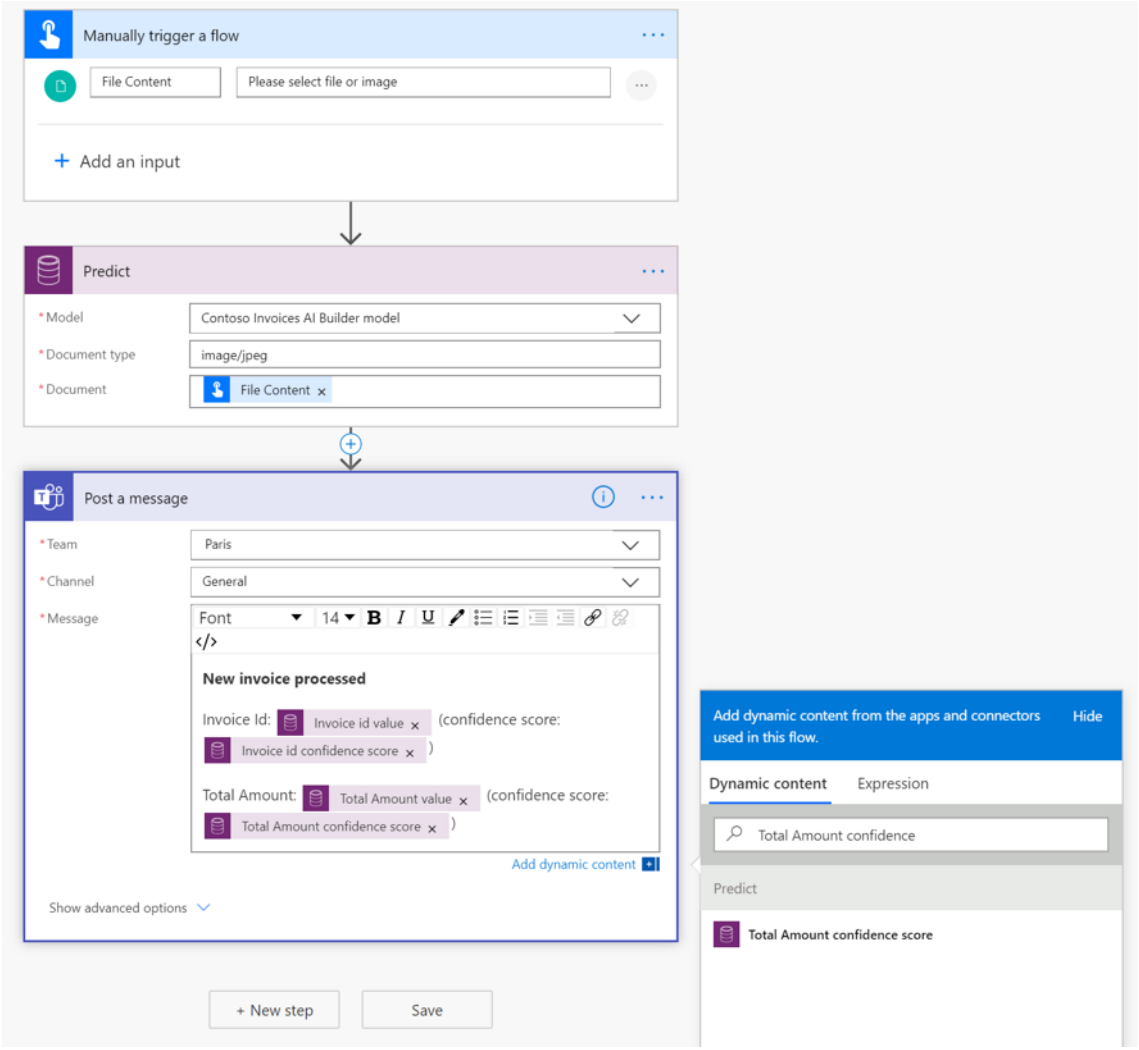
7. Search for **Predict** in the **Search for filters and actions** box, and then select **Predict Common Data Service (current Environment)** in the list of actions. If this action doesn't appear, make sure you're working with a solution as described in Create a flow in a solution.
8. Select the form processing model you want to use, and select the **Document type**:
   - For a .jpeg image of the form: image/jpeg
   - For a .png image of the form: image/png
   - For a .pdf document of the form: application/pdf

9. In the **Document** field in the Predict window, select **File Content**:



10. In the successive actions, you can use any fields and tables extracted by the AI Builder model. For example, let's say that our model is trained to extract the *Invoice Id* and the *Total Amount* value, and we want to post those to a Microsoft Teams channel. Just add the **Post a message to Teams** action, and then select your fields in the list of tokens.

> **Note**
>
> - To retrieve a field name and it's value followed by it's value, select **<field_name> value** . For example, for the *Invoice Id* field, select **Invoice Id value**.
> - To retrieve the confidence score, , select **<field_name> confidence score** . For example, for the *Invoice Id* field, select **Invoice Id confidence score**.



Congratulations! You've created a flow that uses an AI Builder form processing model. Select **Save** on the top right, and then select **Test** to try out your flow.

Use the business card reader prebuilt model in Power Automate

Important

To use AI Builder models in Power Automate, you have to create the flow inside a solution. The steps below won't work if you don't follow these instructions first: **Create a flow in a solution**.

1. Sign in to Power Automate, select the **My flows** tab, and then select **Create from blank**.
2. Search for the term *manually*, select **Manually trigger a flow** in the list of triggers, and then select **+ Add an input**.
3. Select **File**, and set **My Image** as the input title.
4. Select **+ New step**, search for the term *Predict*, and then select **Predict - Common Data Service (Current Environment)** in the list of actions.

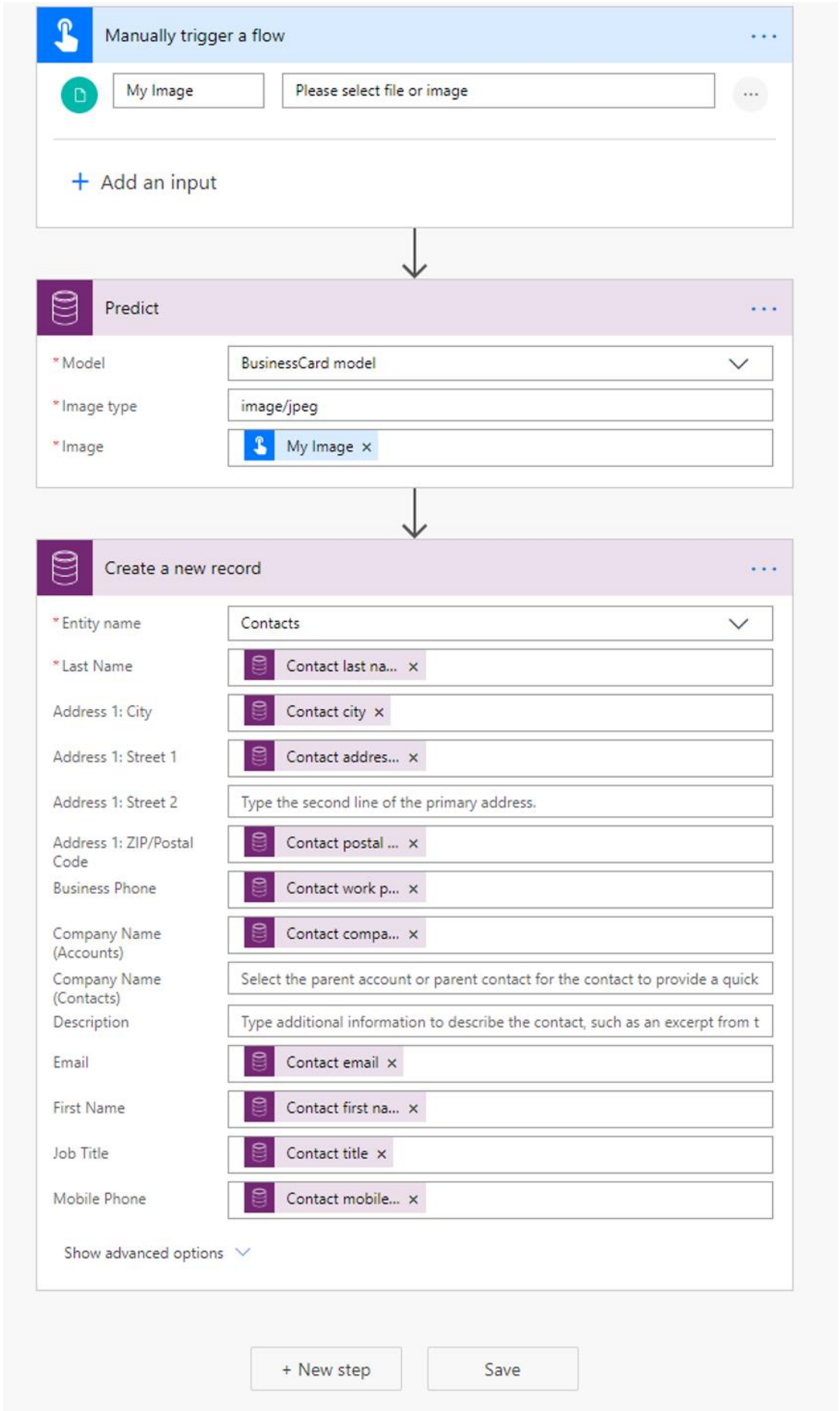
Note

Predict Common Data Service (current Environment) does not appear if you don't follow these instructions first: **Create a flow in a solution**

5. Select the **BusinessCard model** and specify one of the following under **Image type**:
   1. image/jpeg
   2. image/png
   3. image/bmp
6. Specify the **My Image** field from the trigger in the Image input for your flow.

Congratulations! You've created a flow that uses the business card reader AI model. Select **Save** on the top right, and then select **Test** to try out your flow.

This procedure should give you the basis from which to continue building a flow that suits your needs. The following example shows a new contact being created in Common Data Service using the business card data.


Manually trigger a flow
My Image
Please select file or image
Add an input
Predict
*Model
BusinessCard model
*Image type
image/jpeg
*Image
My Image
Create a new record
*Entity name
Contacts
*Last Name
Contact last na...
Address 1: City
Contact city
Address 1: Street 1
Contact addres...
Address 1: Street 2
Type the second line of the primary address.
Address 1: ZIP/Postal Code
Contact postal ...
Business Phone
Contact work p...
Company Name (Accounts)
Contact compa...
Company Name (Contacts)
Select the parent account or parent contact for the contact to provide a quick
Description
Type additional information to describe the contact, such as an excerpt from t
Email
Contact email
First Name
Contact first na...
Job Title
Contact title
Mobile Phone
Contact mobile...
Show advanced options
+ New step
Save