

GLOBAL POWER PLATFORM BOOTCAMP

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POWER PLATFORM
BOOTCAMP



Power Platform - What's new for your business

Marco Rocca – Microsoft SR PFE

Angelo Gulisano – SharePoint Architect



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Thanks to our sponsor!



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Few Words About Us

Marco Rocca

- SR PFE Modern Workplace @Microsoft Italy
- I ❤️ SharePoint (since 2008)
- Focusing on Power Platform
 - Power Apps
 - Power Automate
 - Power Virtual Agents



Angelo Gulisano

- SharePoint Architect @Npo Sistemi
- Software developer on Microsoft technologies since 2007
- Hit by SharePoint since 2011
- Focusing on
 - SharePoint
 - Power Apps
 - Power Automate



Session Agenda

- What's New in Power Platform
- Log Telemetry
- Introducing Test Studio
- Microsoft Stream integration
- AI Builder Update
- Q & A



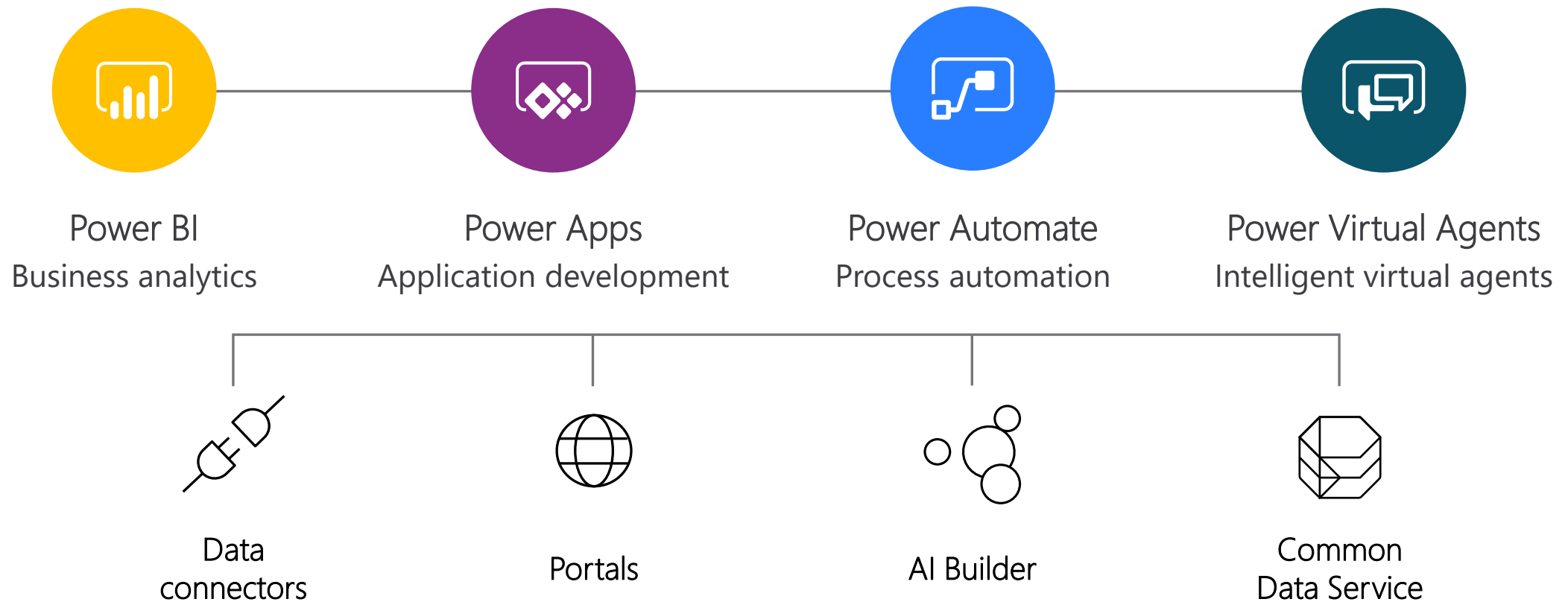
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What's new in Power Platform



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Microsoft Power Platform



Wave 1 2020 is coming!

From April 2020 through September 2020

Power Apps

- Start creating apps directly from Microsoft Teams using your existing SharePoint data
- Excellent mobile, including offline
- High velocity developers of all skill levels
- Power Apps portals improvements

Power Automate

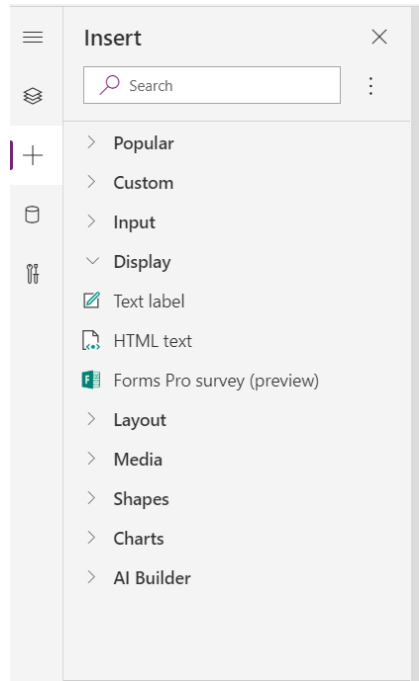
- Power Automate and Microsoft Teams productivity enhancements
- Retry for desktop UI flows
- Run UI automation scripts on virtual machines
- You can securely save your secure string and reuse it to automate applications with UI flows.

Power Virtual Agents

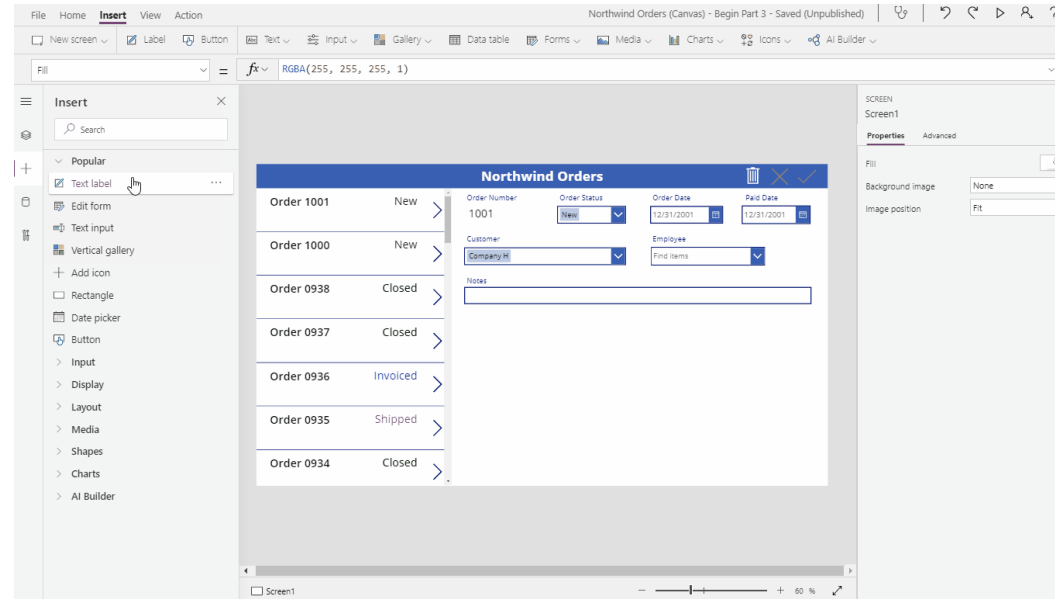
- Add a Power Virtual Agents bot into Power Apps canvas app
- Create and manage Power Virtual Agents directly from Power Apps
- Add images and videos to topics
- Import and export bots or their content
- Connect bots to voice and phone call interactions

Power Apps Studio Improvements

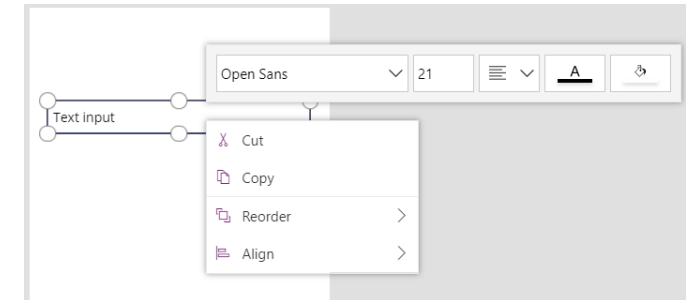
Easily Search



Drag & Drop



Contextual Properties



Log Telemetry

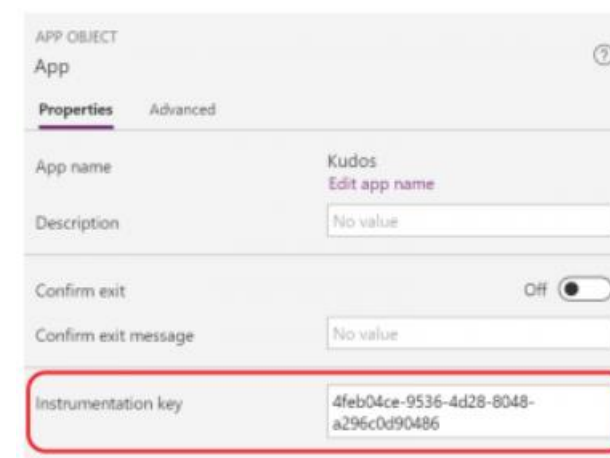
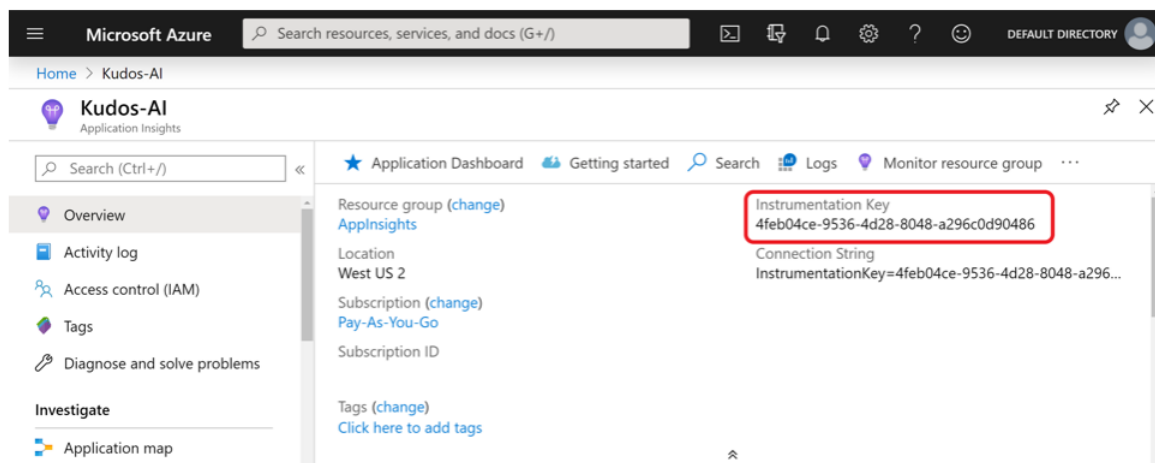


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Log telemetry

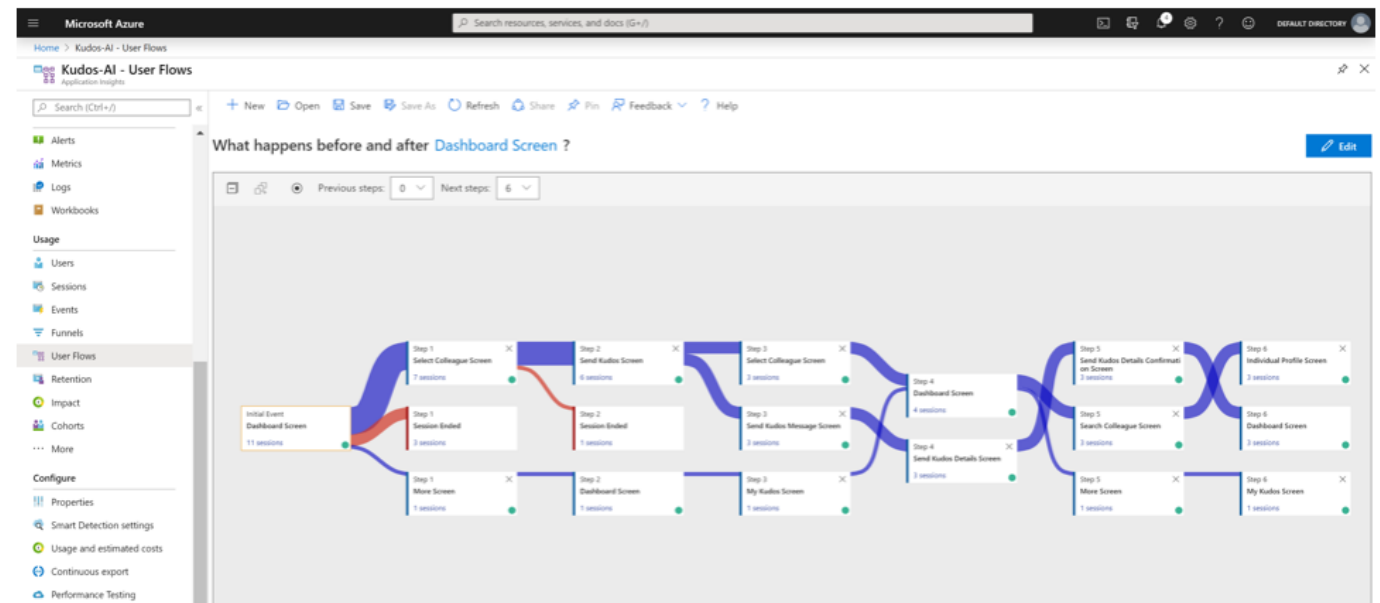
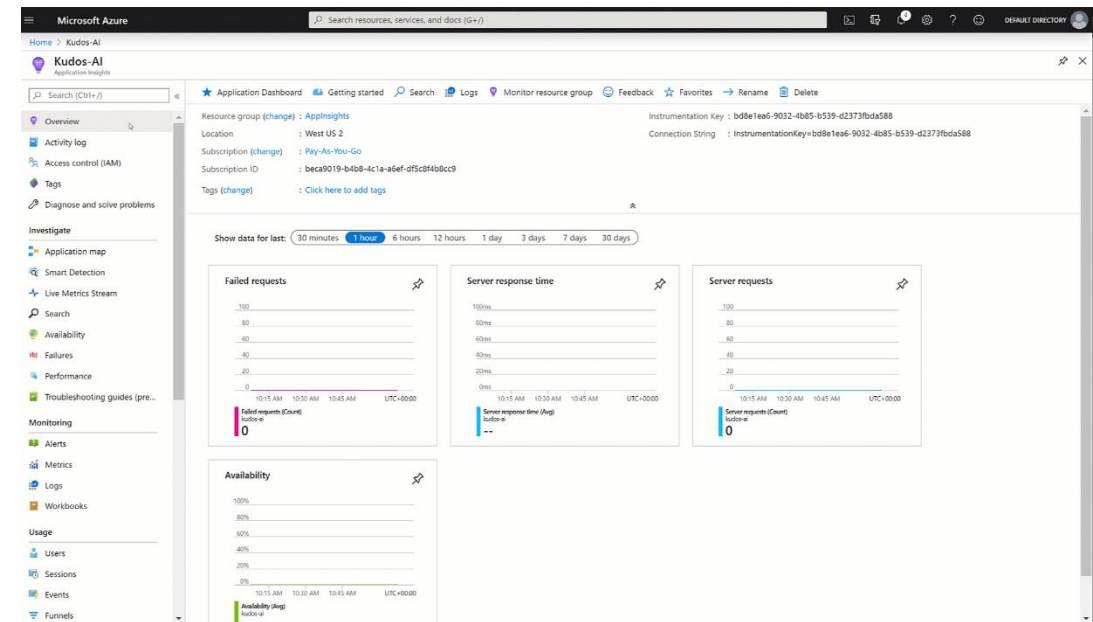
Would you like to know how many people are using your App, where they are accessing it from, what screens are most visited, the devices or browsers that are most popular?

With your app connected to **Azure Applications Insights**, you can now begin to gather this information to help you drive better business decisions and improve the quality of your apps.



Log telemetry

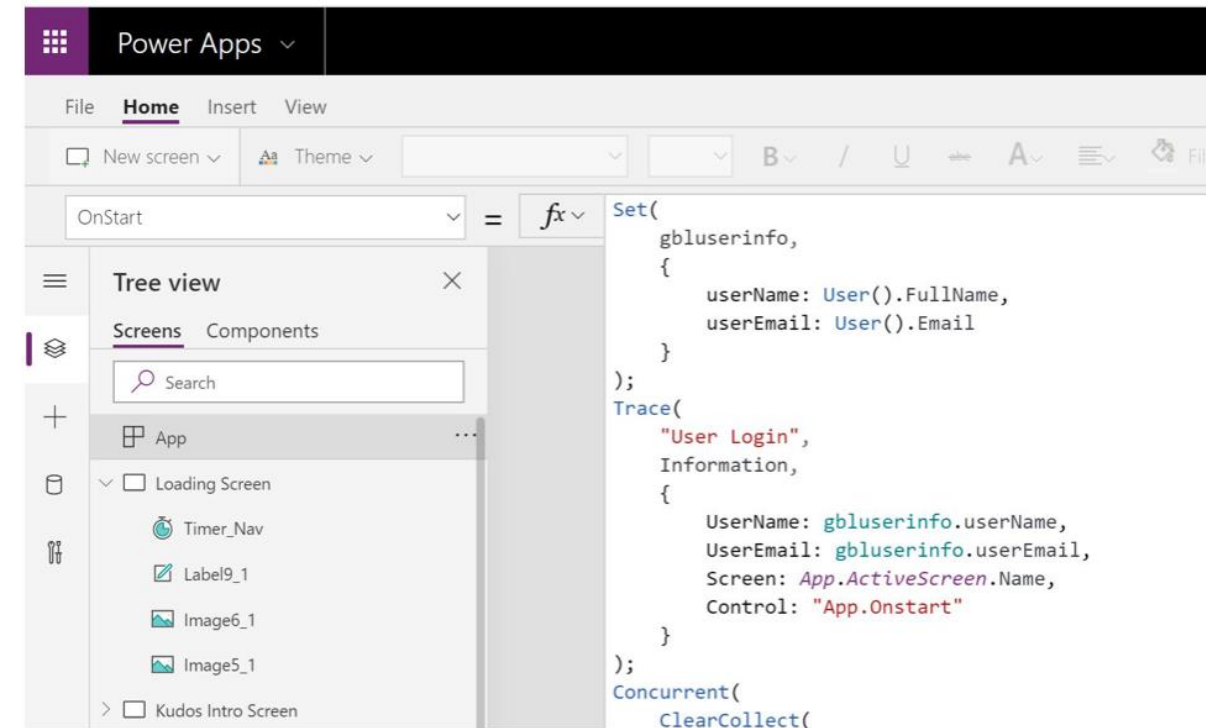
Viewing events, users, etc in App Insights



Log telemetry

Custom Logging

Using the new **Trace** function, you can also write custom traces directly to App Insights and start to analyze information specific to your scenario.

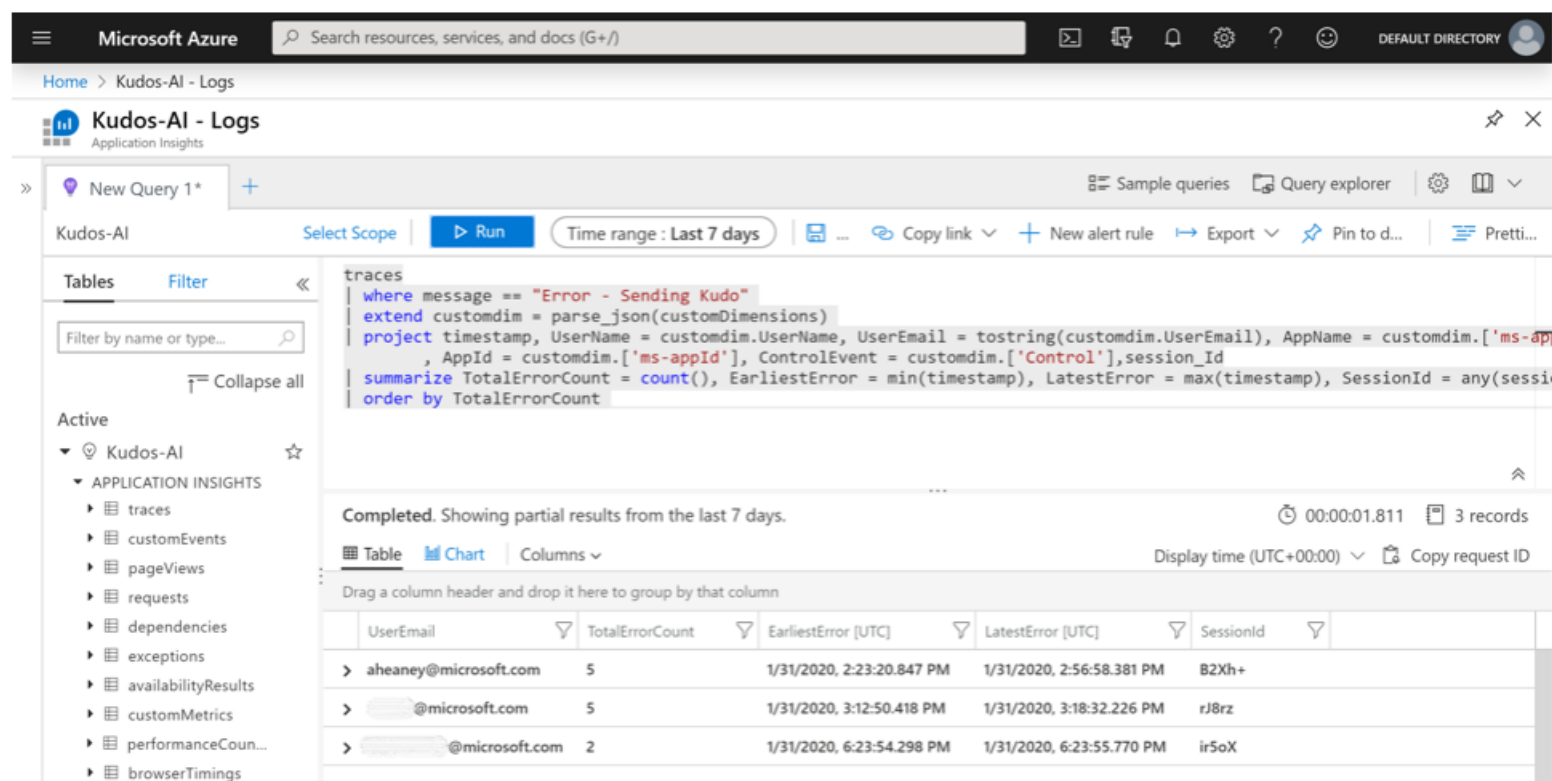


```
fx //collect any errors from the patch
ClearCollect(
    KudosSentPatchErrors,
    Errors(Kudos)
);
// Log any errors to App Insights
If (
    !IsEmpty(KudosSentPatchErrors),
    Trace(
        "Error - Sending Kudo",
        TraceSeverity.Error,
        {
            UserName: gbluserinfo.userName,
            UserEmail: gbluserinfo.userEmail,
            Screen: App.ActiveScreen.Name,
            Control: "GiveKudo",
            Error: KudosSentPatchErrors.Error,
            Message: KudosSentPatchErrors.Message,
            Column: KudosSentPatchErrors.Column
        }
    )
);
```

Log telemetry

Querying Application Insights Logs

If you want to go deeper and leverage the full power of the data you are collecting, you will likely need to write log queries to analyze the App Insights data tables.



The screenshot shows the Microsoft Azure portal interface for Kudos-AI Logs. The top navigation bar includes the Microsoft Azure logo and a search bar. The main header shows the breadcrumb "Home > Kudos-AI - Logs". Below this, the "Kudos-AI - Logs" section is active, displaying a "New Query 1*" button and a "Run" button. The query editor shows a Kusto query for error messages. The left sidebar lists the available tables, and the bottom section displays the results of the query in a table format.

Query:

```
traces
| where message == "Error - Sending Kudo"
| extend customdim = parse_json(customDimensions)
| project timestamp, UserName = customdim.UserName, UserEmail = tostring(customdim.UserEmail), AppName = customdim['ms-app'], AppId = customdim['ms-appId'], ControlEvent = customdim['Control'], session_Id
| summarize TotalErrorCount = count(), EarliestError = min(timestamp), LatestError = max(timestamp), SessionId = any(session_Id)
| order by TotalErrorCount
```

Results Table:

UserEmail	TotalErrorCount	EarliestError [UTC]	LatestError [UTC]	SessionId
aheaney@microsoft.com	5	1/31/2020, 2:23:20.847 PM	1/31/2020, 2:56:58.381 PM	B2Xh+
@microsoft.com	5	1/31/2020, 3:12:50.418 PM	1/31/2020, 3:18:32.226 PM	rJ8rz
@microsoft.com	2	1/31/2020, 6:23:54.298 PM	1/31/2020, 6:23:55.770 PM	ir5oX

Demo1: Log Telemetry



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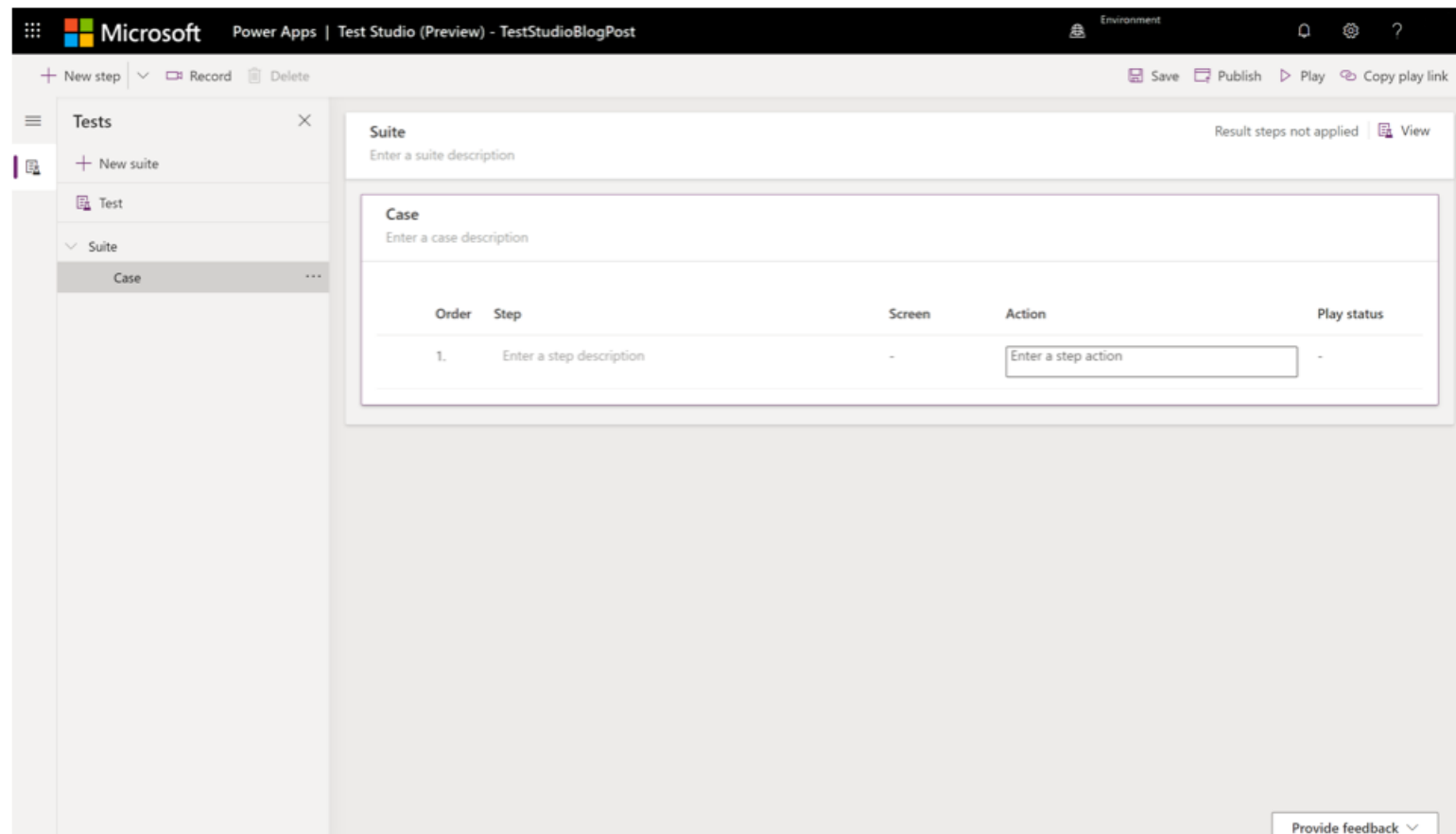
Introducing Test Studio



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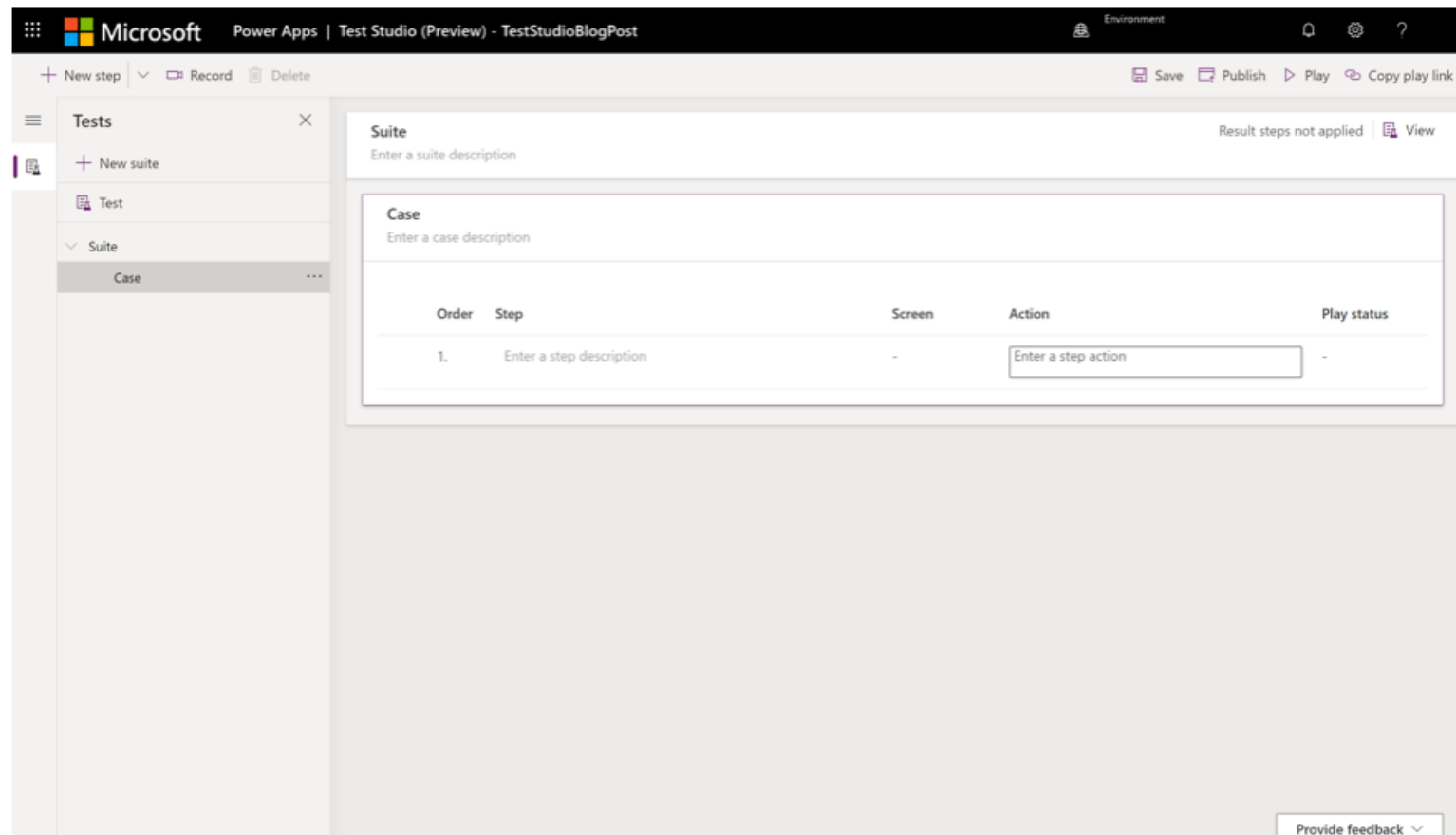
Test Studio

Test Studio provides a way to add and manage test cases, organize them into test suites, and run them to validate that changes in the apps did not break the expected functionality described in the tests



Test Studio

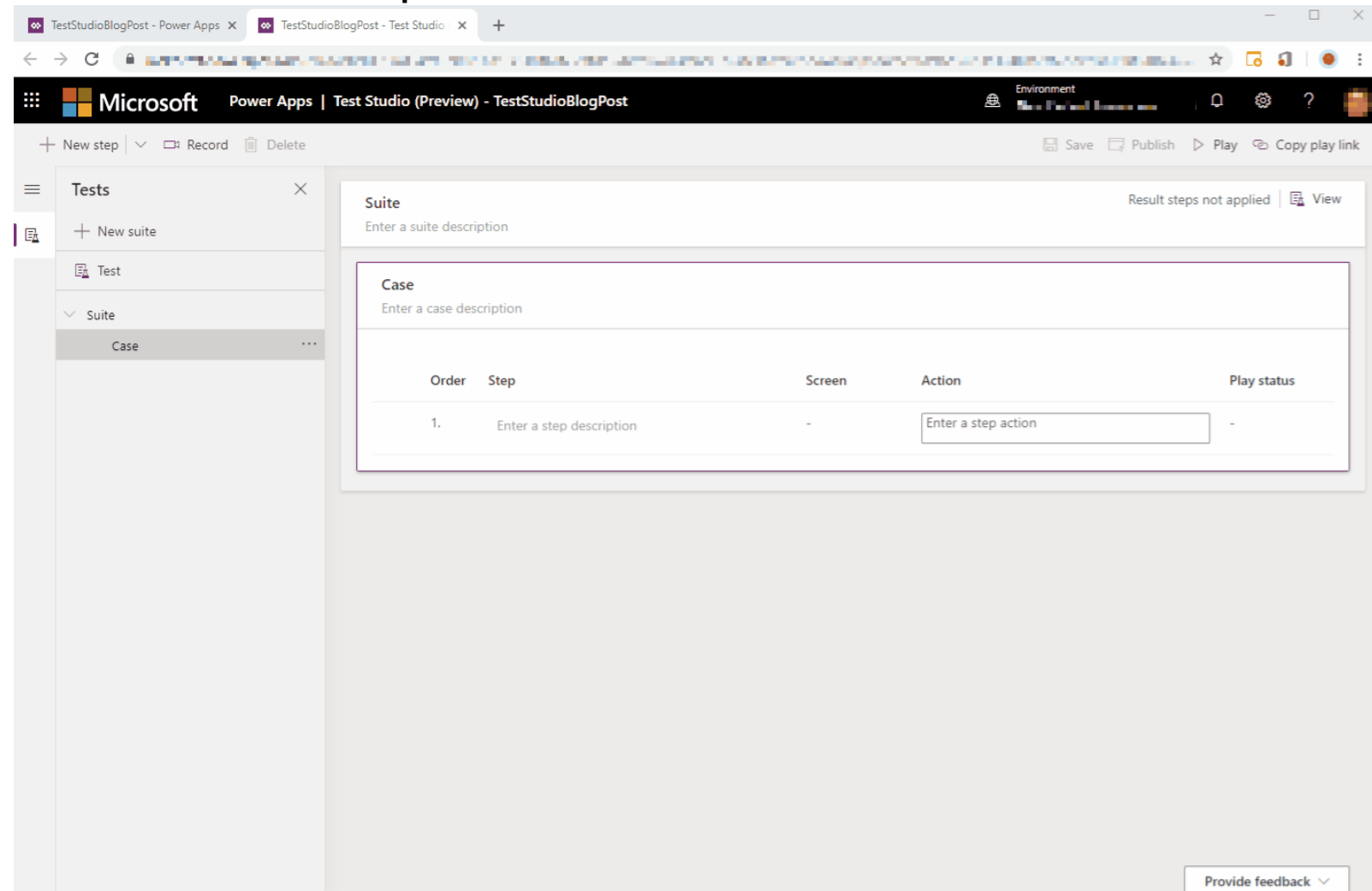
What is a **test case**? It's simply a list of steps, which are expressions that can simulate interaction with the app and validate that the app is in an expected state after those interactions.



Test Studio

How it works? You need only to follow these steps:

- 1) Creating a new test case
- 2) Editing your test case
- 3) Running the test case



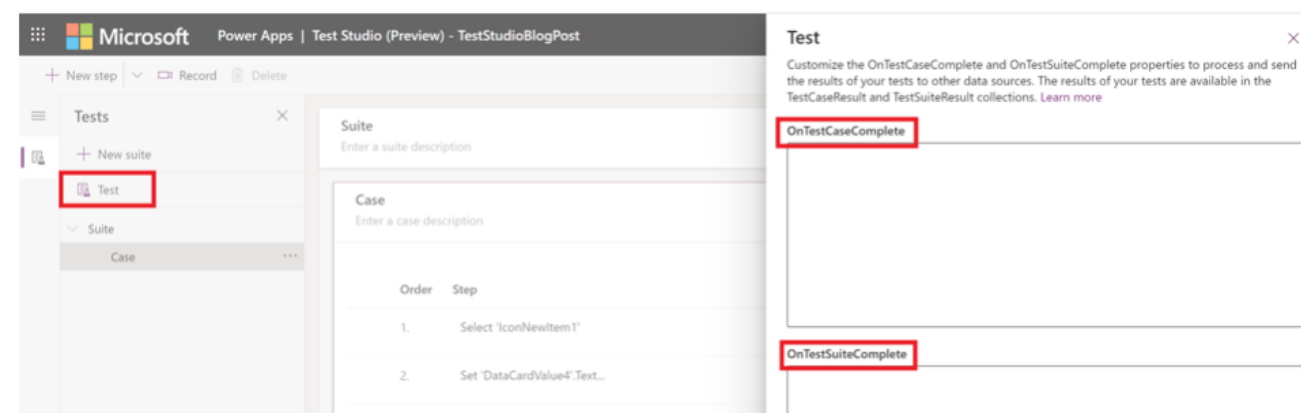
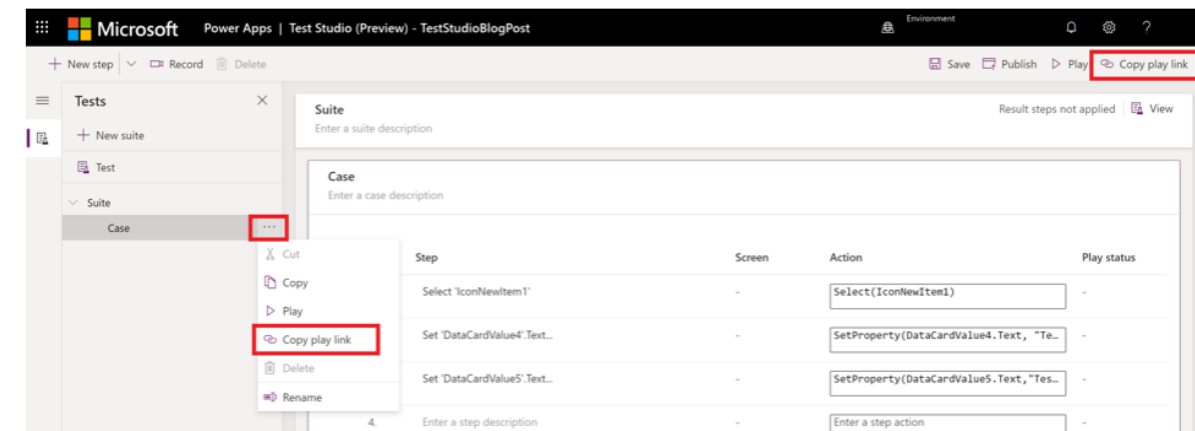
Test Studio - Improvement

Running the tests outside the Test Studio

If you select the ellipsis for a test case or test suite in the tree view or select the 'Copy play link' in the top-right corner of the screen, you can copy a URL that can be pasted in a browser window.

Storing test results

When the test is run outside the Test Studio, you don't get to see the green/red marks indicating whether the test passed or failed.



Demo2: Test Studio



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Microsoft Stream Integration



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Microsoft Stream

The control will allow app users to play videos and browse through channels from the Microsoft Stream service.

NEW Enable basic programmatic capabilities (upload, edit, fetch, display) for Microsoft Stream via APIs will be available in Q4 2020

<

Work items

12
All tickets

3
New tickets

5
In progress

3
Closed

1
On hold

Created by *

Tester A

Priority *

Select a priority

Area *

Select an area

Description

Help partners and customers find each other

Insturctional Video

Helping Partners and Customer Find Each Oth...

8,068 193

Pause

0:13 / 2:16

Microsoft Stream

Resolve work item

Demo3: Microsoft Stream



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AI Builder Update



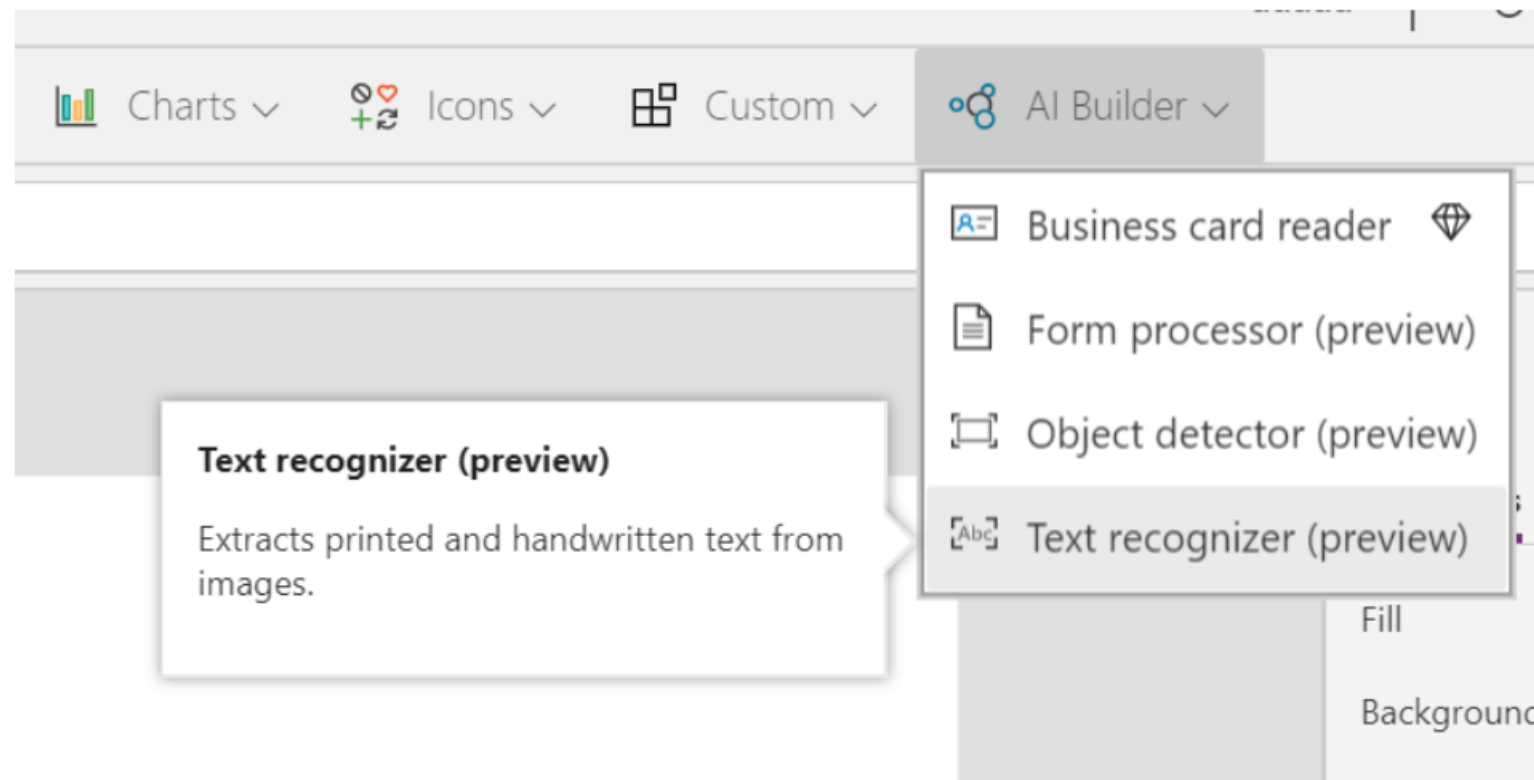
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Text Recognizer in Power Apps

Text Recognizer is a new AI Builder feature available in preview.

Text Recognizer enables you to detect and extract printed or handwritten text that appears in images.

It is now available in Power Apps as a new AI Builder control







Build Page






Models that are ready to use and don't require any training are now presented on the AI Builder homepage.

These capabilities can be used in Power Automate or Power Apps.

Refine a model for your business needs


			
Form Processing (preview) Read and save information from standard documents.	Object Detection (preview) Recognize and count things in images.	Prediction Predict whether something will happen.	Text Classification (preview) Categorize text by its meaning so it's easier to analyze.

Get straight to productivity

	Business Card Reader Automatically process business card information		Key Phrase Extraction (preview) Extract the key talking points from text		Language Detection (preview) Identify the language being used in text		Sentiment Analysis (preview) Analyze positive/negative sentiment in text
	Text Recognizer (preview) Automatically process text from images						

New AI Builder experience in Power Automate

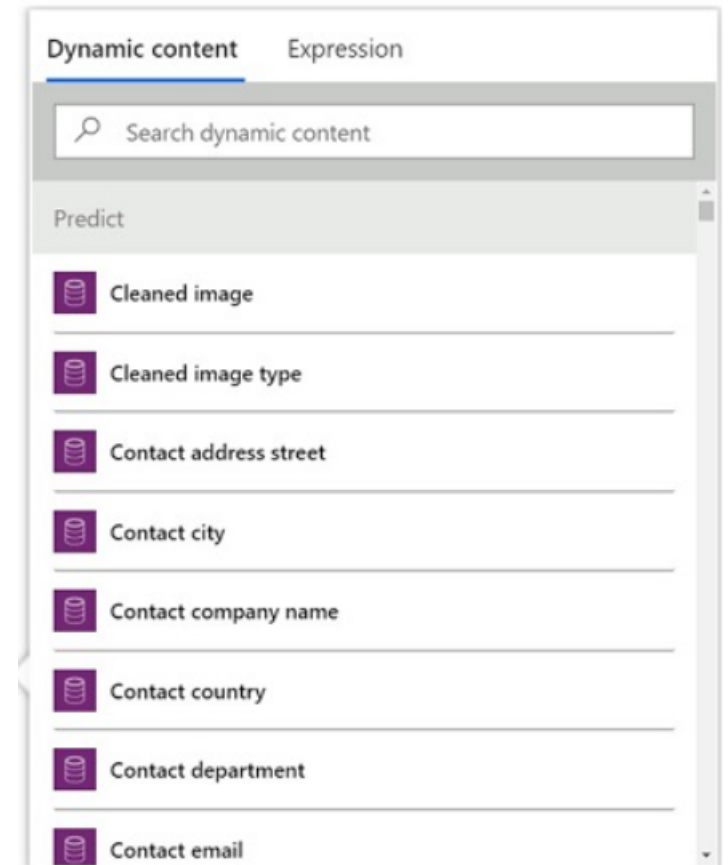
It is now easier to provide your data to the AI Model, and to use the output without the need to manually transform data.



The screenshot shows the configuration for the 'Predict' action in Power Automate. It features a purple header with a database icon and the word 'Predict'. Below the header, there are three input fields, each preceded by an asterisk indicating they are required:

- * Model:** A dropdown menu with 'Contoso Invoices AI Builder model' selected.
- * Document type:** A text box containing 'application/pdf, image/png, image/jpeg'.
- * Document:** An empty text box for pasting or typing a document path.

The format of the AI Model output also changes based on the type of model and is now available in Power Automate "dynamic content" for you to use like any other data in your flow.



The screenshot shows the 'Dynamic content' pane in Power Automate. It has two tabs: 'Dynamic content' (selected) and 'Expression'. Below the tabs is a search bar labeled 'Search dynamic content'. Under the 'Predict' section, a list of dynamic content items is displayed, each with a purple database icon:

- Cleaned image
- Cleaned image type
- Contact address street
- Contact city
- Contact company name
- Contact country
- Contact department
- Contact email

New AI Builder experience in Power Automate

Form processing example

When a new email arrives

Apply to each

* Select an output from previous steps

Attachments x

Add an action

+ New step Save

When a new email arrives

Apply to each

* Select an output from previous steps

Attachments x

Predict

* Model Contoso Invoices AI Builder model

* Document type Attachments C... x

* Document Attachments C... x

Add an action

+ New step Save

Demo4: AI Builder



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Any Questions?



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**Please fill
out the
survey!
& Win
Swags!!**



<https://www.powerplatformbootcamp.com/survey>



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Thank You For Attending

marocc@microsoft.com

Linkedin: www.linkedin.com/in/marco-rocca-685a8b43

Twitter: @marco_r_73

angelo.gulisano@nposistemi.it

Linkedin: <https://www.linkedin.com/in/angelo-gulisano/>

Twitter: @angelog1908



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