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European
Power Platform
Conference





European
Power Platform
Conference





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Agenda

- "the departure" Al Builder in Power Platform
- "a stage of the journey" How AI empower your developer work
- "the final destination" Power Platform and Open Al integration



"the departure" — Al Builder in Power Platform



Al Portfolio Overview

E2E Business processes

Managed solutions that leverage AI Builder model customization and governance

Ex: SharePoint Syntex leverages AI Builder Document Processing

No Code Maker Experience

Al abstraction layer that focuses on allowing makers to customize Al to solve business problems, leveraging Azure Al capabilities

Use Pre-built Models

Bot Service

Vision

Ex: AI Builder Document Processing leverages Azure Form Recognizer for content extraction

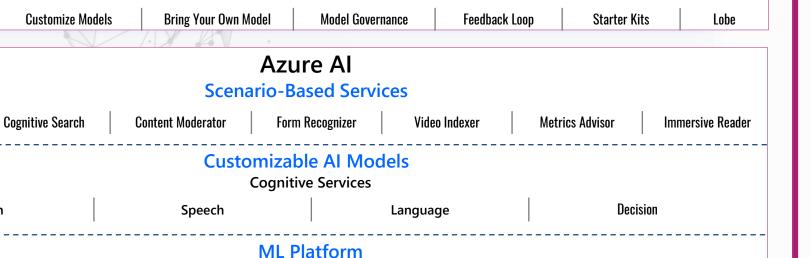
AI Capabilities

Core Al capabilities that empower maker experiences



Al Builder

Azure Machine Learning







Citizen Developers



Developers & Data Scientists



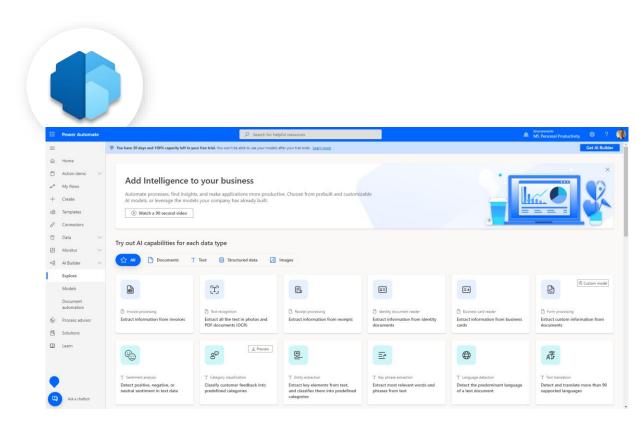
ADD INTELLIGENCE TO YOUR BUSINESS WITH AI BUILDER

Use **pre-built** Al models or **build custom models** for your business need in minutes without code or data scientists

Govern the AI model lifecycle for your enterprise

Industry leading **enterprise grade Al Technology** backed by Azure Al

Integrated in Power Platform and Dynamics 365 so makers can use AI to **build more intelligent apps and workflows.**





CUSTOM VS PREBUILT MODEL



Custom AI models are models that you build by choosing a model type in Al Builder, and then training the model to do a specific Al task by using your data.

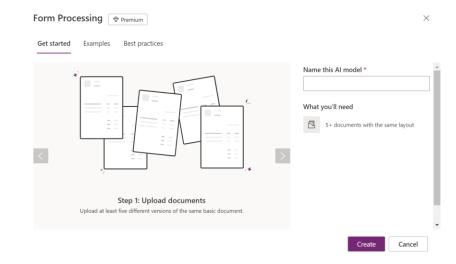
You select the model type, provide the data, build and train your own unique Al model, and then use or share the model.

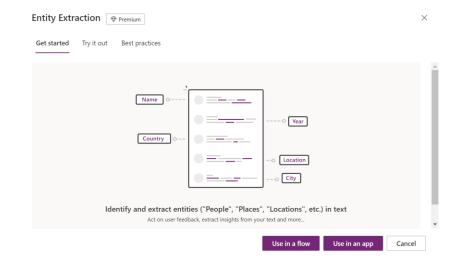


Al Builder also features **prebuilt Al models** that you can use in Power Apps and Power Automate.

With a prebuilt model, you get an Al model that Microsoft has built and trained to do a specific task.

You don't need to build or train the model yourself to use it; those Al models in low code are usable out of the box.







OVERVIEW CUSTOM MODELS

Prediction

Use your database and this Al model to determine the likelihood of specific business outcomes.

Document Processing

Read, extract, and process data from scans, emails, PDFs, and images.

Object Detection

Build an Al model that recognizes and counts visual objects.

Image Classification

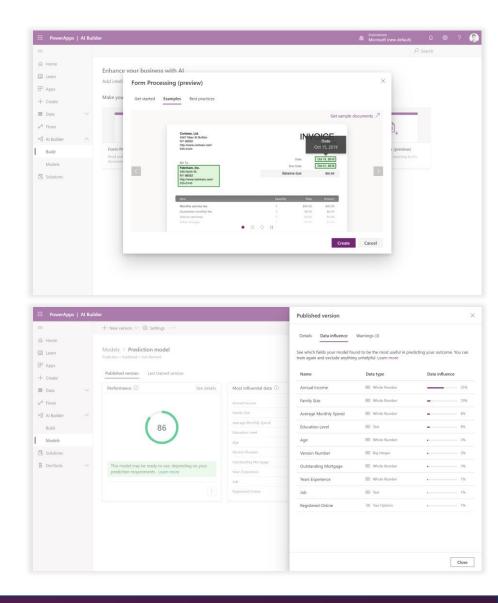
Build Al models that classify images with Lobe.

Entity Extraction (preview)

Build a model that can recognize your entities in large volume of text.

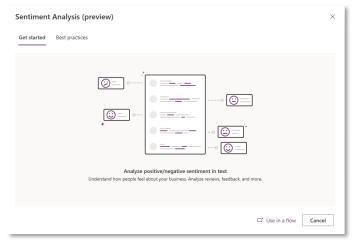
Category Classification

Build an application that reviews, tags, and classifies large volumes of text to track sentiment, improve customer experiences, and mine valuable insights.





OVERVIEW PREBUILT MODELS



Business card reader

Pull contact information from business cards and import it into your CRM system.

Sentiment analysis

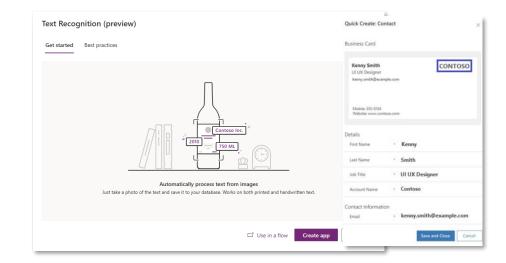
Detect positive, negative, neutral and mixed sentiment in social media, customer reviews or any text data.

Key phrase extraction

Extract the main points and key phrases in text documents.

Language detection

Use this model to identify the predominant language of a text document.



Text recognition

Extract printed and handwritten text from documents and images into machine-readable character streams.

Entity extraction

Extract entities and their types from text.

Category classification (preview)

Categorize customer feedback text by its meaning.

Receipt processing

Save time on your expenses. Use AI to extract and save receipt data automatically.

Translation

Translate your text data across more than 60 languages.

Identity document reader

Extract information from passports and US driver licenses.



CONTINUOUSLY IMPROVE YOUR MODEL

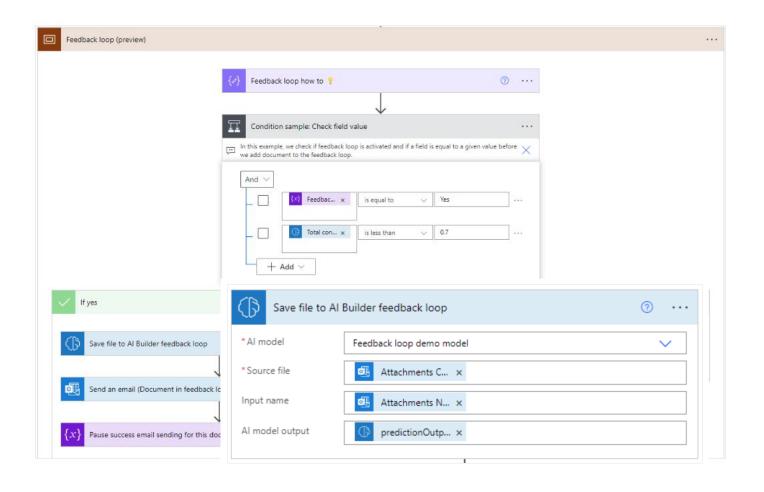
After the model creation, it's likely that you'll need to improve your model regularly using production data. The feedback loop feature will help you automate this continuous process.

The first thing you'll have to do is select the data eligible for the feedback loop.

This has to be done from within the Power Automate flow that runs your model.

If you don't have a Power Automate flow to run your model yet, you can create a new one from the model detail page after publishing the model.

If you already have a flow running with your Al Builder model, you'll be able to add the feedback loop storage functionality within.

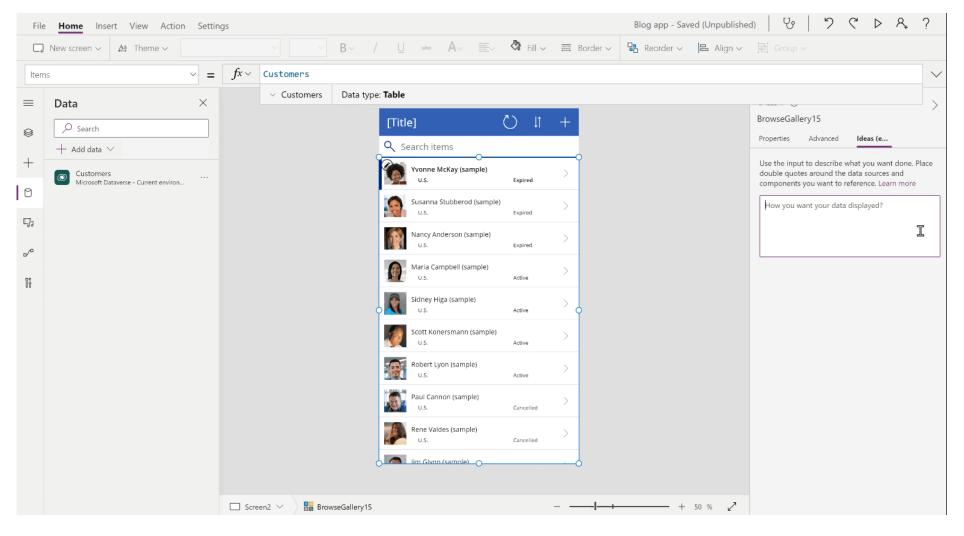




"a stage of the journey" – How Alempower your developer work



AI ASSISTANCE FOR CREATE APPS USING NATURAL LANGUAGE



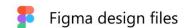


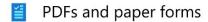
CREATE APP USING AI-POWERED EXPRESS DESIGN

Express design is a new way to quickly get started with Power Apps by instantly transforming your visual design into an app.

With Express design, makers can quickly turn existing design artifacts—including paper forms, whiteboard sketches, or

Figma files—directly into a working app.





Hand-drawn sketches



Sketch a form and turn it into an app with Power Apps express design

Microsoft

Power Platform

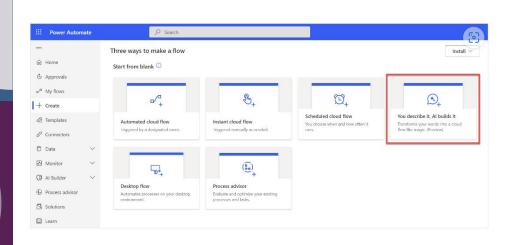


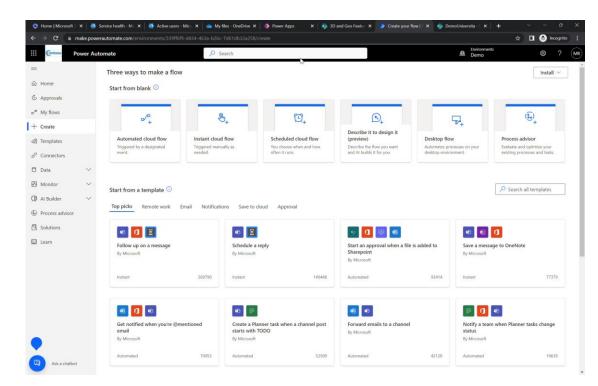
CREATE A CLOUD FLOW FROM A DESCRIPTION

Using OpenAl Codex, an Al model descendant of GPT-3 that can translate natural language to code, you can now create Power Automate cloud flows.

It's a preview feature

Run only in Power Platform American and Europe environments



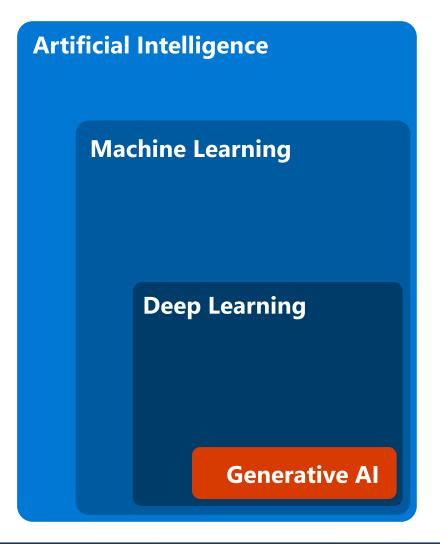




"the final destination" — Power Platform and Open Al integration



OVERVIEW CUSTOM MODELS





Artificial Intelligence

the field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence



Machine Learning

subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions



Deep Learning

a machine learning technique in which layers of neural networks are used to process data and make decisions



Generative Al

Create new written, visual, and auditory content given prompts or existing data.





Ensure that artificial general intelligence (AGI) benefits humanity.



Empower every person and organization on the planet to achieve more

GPT-3

Generate and Understand Text

Codex

Generate and Understand Code

DALL-E

Generate images from text prompts



Generative Al

Codex

GPT-3

DALL·E

Prompt:

Write a tagline for an ice cream shop.

Response:

We serve up smiles with every scoop!

Prompt:

Table customers, columns =
[CustomerId, FirstName,
LastName, Company, Address,
City, State, Country,
PostalCode]

Create a SQL query for all
customers in Texas named Jane
query =

Response:

SELECT *
FROM customers
WHERE State = 'TX' AND
FirstName = 'Jane'

Prompt: A white Siamese cat

Response:





Azure OpenAI | Top 4 Capabilities & Use Cases



Content Generation

Call Center Analytics: Automatically generate responses to customer inquiries

Generate personalised UI for your website



Summarization

Call Center Analytics: Summary of customer support conversation logs

Subject Matter Expert Document Summarization (e.g. financial reporting, analyst articles)

> Social Media Trends Summarization



Code generation

Convert Natural Language to SQL (or vice versa) for telemetry data

Convert Natural Language to Query Proprietary Data Models

Code Documentation



Semantic Search

Search reviews for a specific product / service

Information Discovery and Knowledge Mining

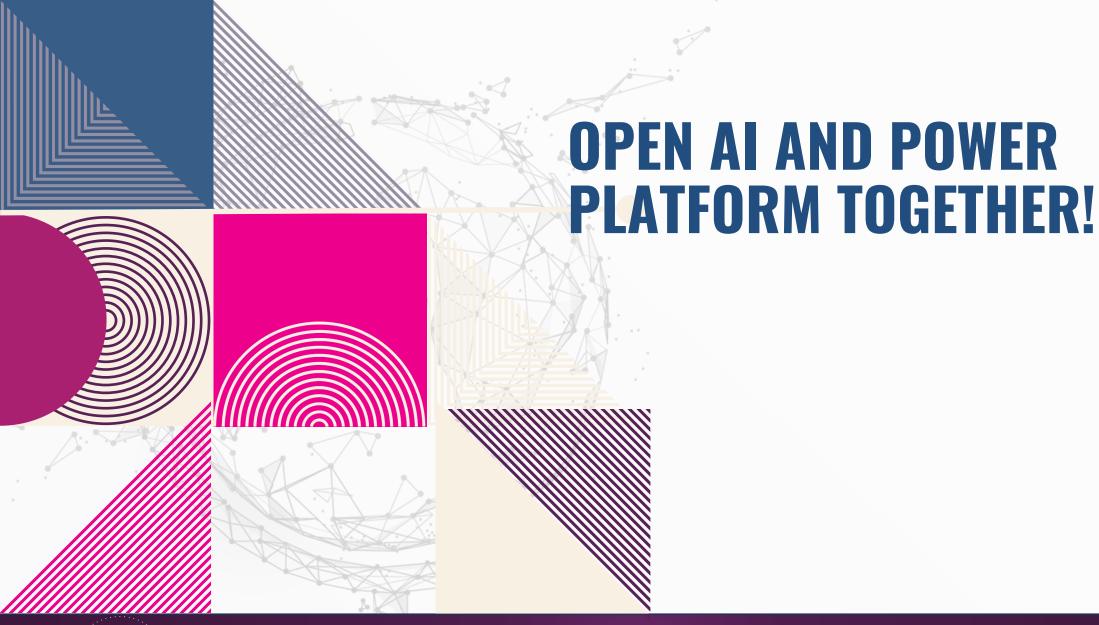
Examples of Multiple Model Use Cases

End to End Call Center Analytics: Classification, Sentiment, Entity Extraction, Summarization and Email Generation

Customer 360: Hyper-personalisation using timely Summarization of customer queries & trends, Search, and Content Generation

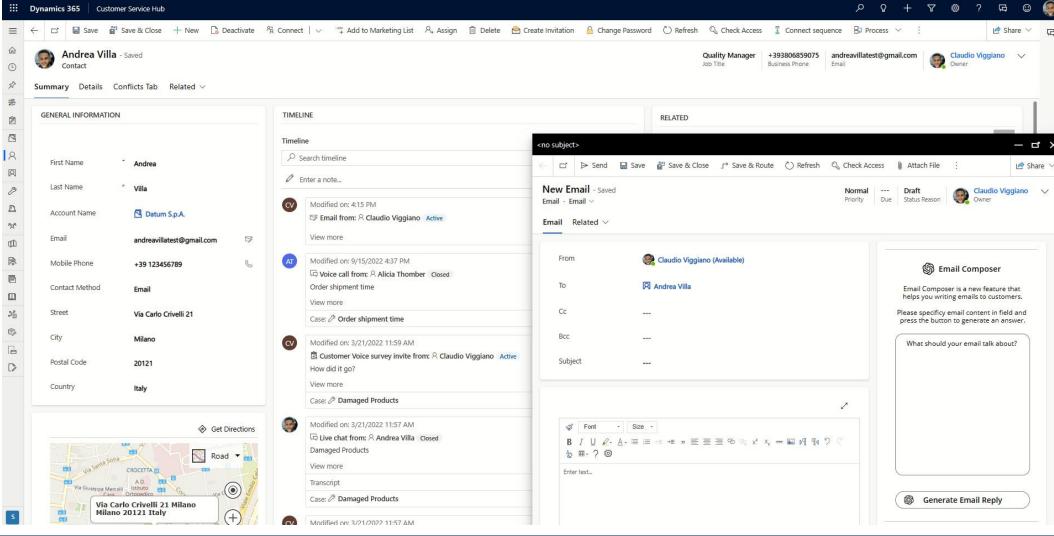
Business Process Automation: Search through structured & unstructured documentation, Generate Code to query data models, Content Generation







OPEN AI CUSTOMER SERVICES SCENARIO





Any Questions?



Please fill out the survey!



https://aka.ms/gppb23mifeedback



THANK YOU

