

AI Builder - 5 key concepts to understand it all

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1:00 PM EST



Éric Sauv  – Power Apps Practice Leader








- ⚡ Passionate about the Power Platform, and actively sharing to the Business Applications community as @ZePowerDiver
- ⚡ D365 CE & PowerApps Solutions Architect
- ⚡ At XRM Vision since 2015
- ⚡ TDGi Community Lead, Power Platform Happy Hour – Montreal Founder and Organizer, xRM Montreal Meetup Organizer
- ⚡ Business Apps MVP (January 2020), Certified Trainer (MCT, 2019-2020)



5 Key Concepts



-  Prebuilt Models
-  Custom Models
-  Integration
-  Release & Roadmap
-  Licensing



3
Unaware
Guests



AI Builder

What about it?

Microsoft Power Platform

The low-code platform that spans Office 365, Dynamics 365, and standalone applications

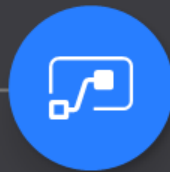
Analyze. Act. Automate. Assist.



Power BI
Business analytics



Power Apps
Application development



Power Automate
Workflow automation



Power Virtual Agents
Intelligent virtual agents



**Data
connectors**



AI Builder



**Common
Data Service**

2 types of models



Custom models

- ⚡ Historical data
- ⚡ Training
- ⚡ Based on / Updates CDS



Prebuilt models

- ⚡ Components or actions
- ⚡ Ready to be used right away
- ⚡ Built on industry/Microsoft “Intelligence”



2 types of models



Custom models

- ⚡ Prediction
 - ⚡ Predicts whether something will happen
- ⚡ Form Processing
 - ⚡ Read and save information from standard documents
- ⚡ Object Detection
 - ⚡ Recognize and count things in images
- ⚡ Text Classification
 - ⚡ Categorize text by meaning so it's easier to analyze

Prebuilt models

- ⚡ Business Card Reader
 - ⚡ Automatically process business card information
- ⚡ Sentiment Analysis
 - ⚡ Detect positive/negative sentiment in text
- ⚡ Key Phrase Extraction
 - ⚡ Extract the key talking points from text
- ⚡ Language Detection
 - ⚡ Identify the language being used in text
- ⚡ Text Recognition
 - ⚡ Automatically process text from images





AI Builder Integration

3 types of integration / usage



Power Automate (Flow)

- ⚡ Within a solution
- ⚡ No triggers
- ⚡ Use the predict Action (CDS)
- ⚡ ~~Request Payload~~—specific to the model
- ⚡ ~~Parse JSON~~—specific to the model



Power Apps

- ⚡ Canvas App Components
 - ⚡ Business Card Reader
 - ⚡ Form Processor
 - ⚡ Object Detector
 - ⚡ Text Recognizer
- ⚡ Model-Driven Components
 - ⚡ Business Card Reader



CDS

- ⚡ New entity
 - ⚡ Text Classification
 - ⚡ `entityname_Results`
- ⚡ New fields
 - ⚡ Prediction
 - ⚡ Predicted
 - ⚡ Probability
 - ⚡ Explanation





AI Builder

Release status & roadmap

February Update



⚡ Object Detection – Manually enter object names

⚡ Business Card Reader – New fields (PO Box, State)

DELAYED

⚡ Canvas Studio updates – Enhanced controls (information and styling)

DELAYED

⚡ Power Automate – AI Builder flow templates



⚡ Prediction – Related entities & filtering support

DEMO



Roadmap (2020 wave1)



April

-  G.A. – Form Processing, Object Detection, Text Recognition
-  Public Preview – Prebuilt Text Classification, Entity Extraction (prebuilt and custom), Formula Bar & Control in Power Apps, Test Keyword Extraction

June

-  Public Preview – Customizable Text Classification,
-  Prediction – Related entities & filtering support



AI Builder

Licensing
model

AI Builder License



Capacity Add-On

 Requires Power Apps, Power Automate, or Dynamics 365 licenses as applicable

 \$500/month -> 1 million service credits

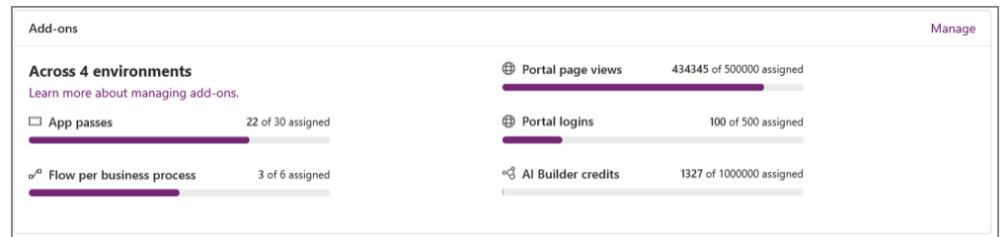
 Use Admin Center to monitor usage: <https://admin.powerplatform.microsoft.com/>

 Allocated at the environment level

Trial

 30-days – Per user

 Can be extended





Wrapup

5 Key Concepts



 Prebuilt Models

 Custom Models

 Integration

 Release & Roadmap

 Licensing



Potential

Overview Diagram
by
Éric Sauv  
As of Dec 20th, 2019



Available in regions :



AI Models



Prebuilt Models

Prediction	Form Processing	Object Detection	Text Classification	Business Card Reader	Key Phrase Extraction	Language Detection	Text Recognition	Sentiment Analysis



Flow Power Automate



Canvas



PowerApps



Model-Driven



CDS

Source: <https://www.zepowerdiver/2019/10/ai-builder-what-where.html>

- Released in GA (see schedule)

References: <https://docs.microsoft.com/en-us/ai-builder/overview>

Some Useful References



My stuff (and links to others)

- ⚡ AI Builder wrapup page (focused blog posts)
 - ⚡ <http://bit.ly/AIBuilderWW>
- ⚡ List of contributors (in AI Builder field)
 - ⚡ <http://bit.ly/AIBuilderC>
- ⚡ Social media and content
 - ⚡ <https://www.linkedin.com/in/zepowerdiver/>
 - ⚡ <https://twitter.com/ZePowerDiver>
 - ⚡ <https://www.facebook.com/ZePowerDiver/>
 - ⚡ <https://www.youtube.com/c/ZePowerDiver>
 - ⚡ <https://www.zepowerdiver.com/>
 - ⚡ <https://github.com/ZePowerDiver.com/>
 - ⚡ <https://www.instagram.com/zepowerdiver/>

Microsoft

- ⚡ Microsoft Docs (AI Builder)
 - ⚡ <https://docs.microsoft.com/en-ca/ai-builder/overview>
- ⚡ MS Ignite decks
 - ⚡ BRK2213 (Overview)
 - ⚡ <https://myignite.techcommunity.microsoft.com/sessions/83515>
 - ⚡ THR2247 (AI Builder in Flows)
 - ⚡ <https://myignite.techcommunity.microsoft.com/sessions/84290>
 - ⚡ BRK3284 (AI Builder, Portals, etc)
 - ⚡ <https://myignite.techcommunity.microsoft.com/sessions/85241>



Unaware Guests

Contest form
(closes 02/28)

<http://bit.ly/PP24AIB>



UP NEXT

**Overcoming challenges with
embedded Canvas Apps**

Hardit Bhatia

2:00 PM EST

<http://aka.ms/power24group2>

