

Importante!

- ❖ Material elaborado pelo time de especialistas em Power Platform da Microsoft Brasil para ser utilizado em **demonstrações online para seus clientes**.
- ❖ O uso deste material é permitido **apenas para clientes** Microsoft que participaram da sua apresentação em ambiente online e para **fins de referência e/ou autoestudo**.
- ❖ Este conteúdo é de **propriedade intelectual da Microsoft**. Todos os direitos reservados.
- ❖ Este material utilizou como referência as funcionalidades da **Power Platform** disponíveis conforme a **documentação oficial** e previstas para lançamento em seu **guias de lançamento** na data de sua elaboração (ver slide de abertura). Como o conteúdo destas fontes é dinâmico, sempre consulta-las em caso de dúvidas.

Em caso de dúvidas ou questões acesse nosso site (Power Platform Connect)
<https://microsoft.github.io/powerplatformconnect/>

Advanced app and portal development with Power Platform

Version 3.0 from Jul 18, 2024

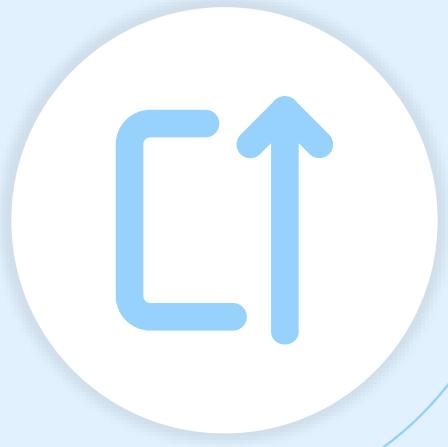
Agenda

- • • • • • •
-  **Introduction**
-  **Why Low Code?**
-  **Composable architectures**
 - How create enterprise solutions with low code
-  **Power Platform patterns of value**
 - App modernization
 - Extend LoB systems
-  **Next steps**
-  **Closing**



Why low code?

Surging digital demand



1B

new apps will be
built by 2028

The Pace of Change Is At A Tipping Point



68%

Of people struggle with the volume and pace of work¹



61%

Of technical leaders worry about having enough talent in the next year¹



Accelerate developers and
empower new makers

AI & Low-code empower everyone



Developers



IT Admins

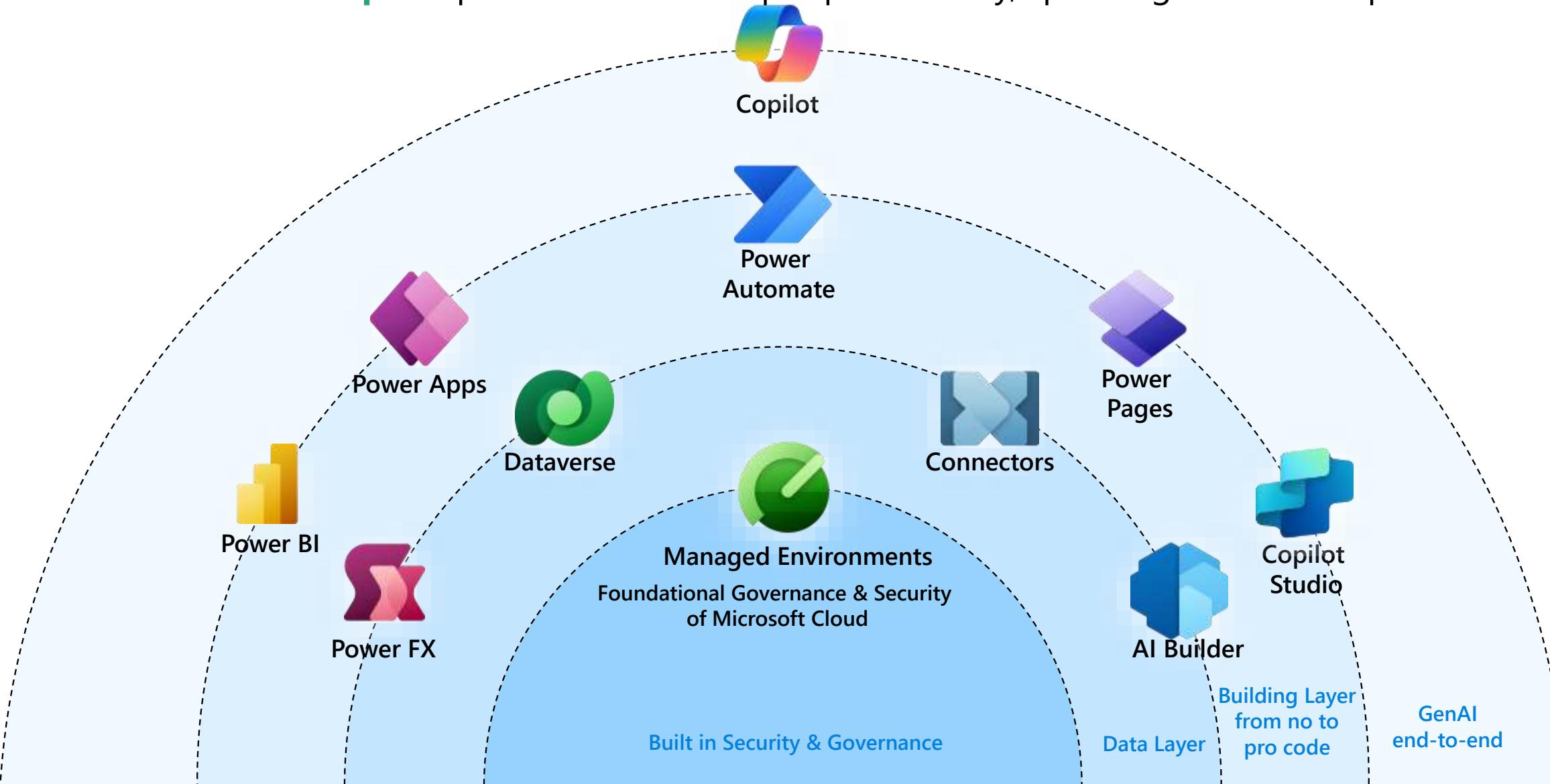


Business and
Front-Line Workers



Microsoft Power Platform

The world's **most complete** platform for developer productivity, spanning no-code to pro code



Unlock Value Across Your Organization, With An End-to-End AI and Low Code Platform

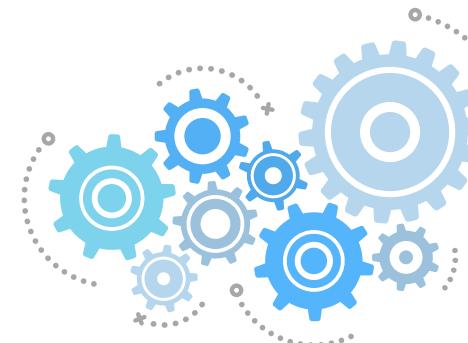
Application Modernization



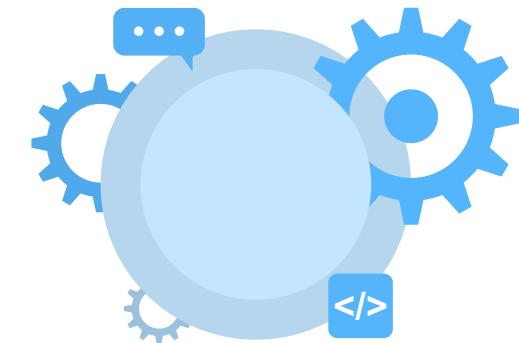
Extend LOB Systems



Optimize with Hyperautomation

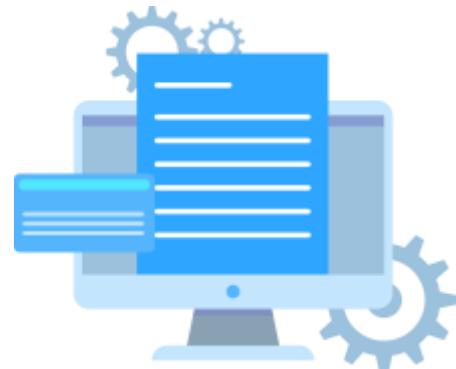


Build your own copilots



What we will see today

Application
Modernization



Extend LOB
Systems



Optimize with
Hyperautomation



Build your own
copilots



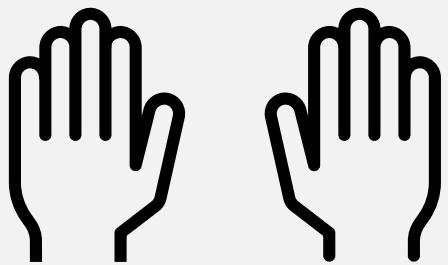
Wait a minute, I
could do all this
with low code
only?



Composable architectures



Hands up if you are



Low code maker



Front-end dev

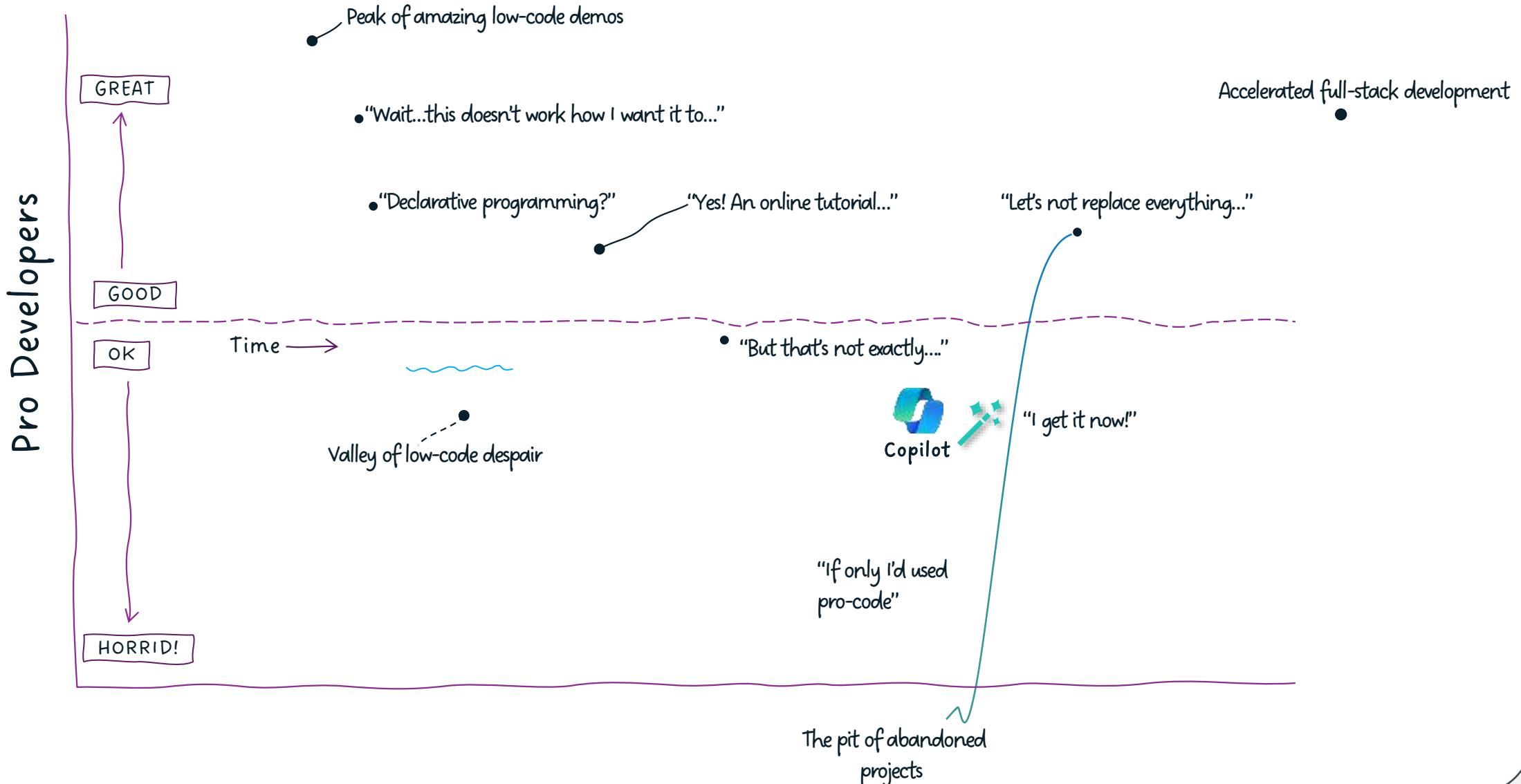


Back-end dev

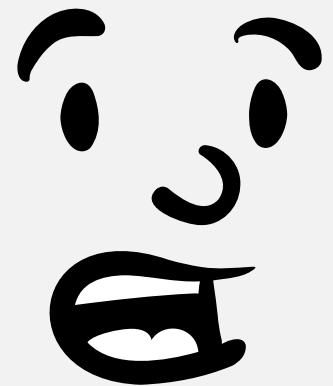


Full stack

A Low-Code Story!



**Let's forget about low-code
(for a moment!)**



What does it mean to be a
modern full stack
developer?



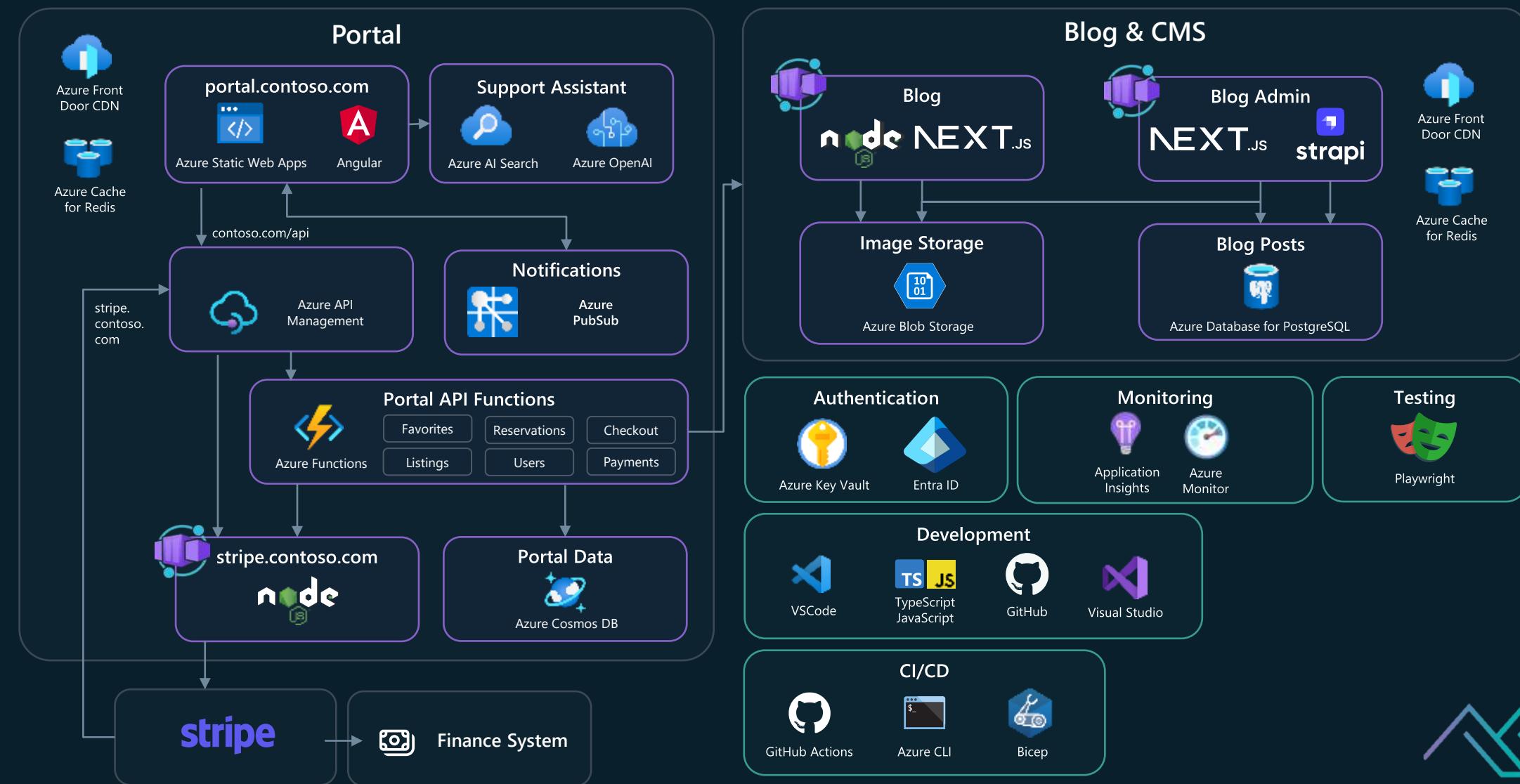
Contoso Real Estate



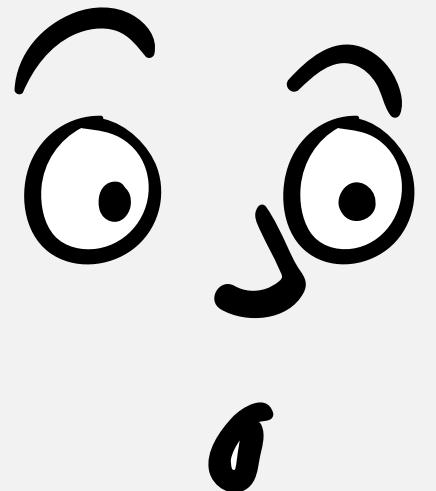
github.com/Azure-Samples/contoso-real-estate

(An enterprise-grade reference architecture)

Contoso Real Estate Architecture



It's always been about
less-code!

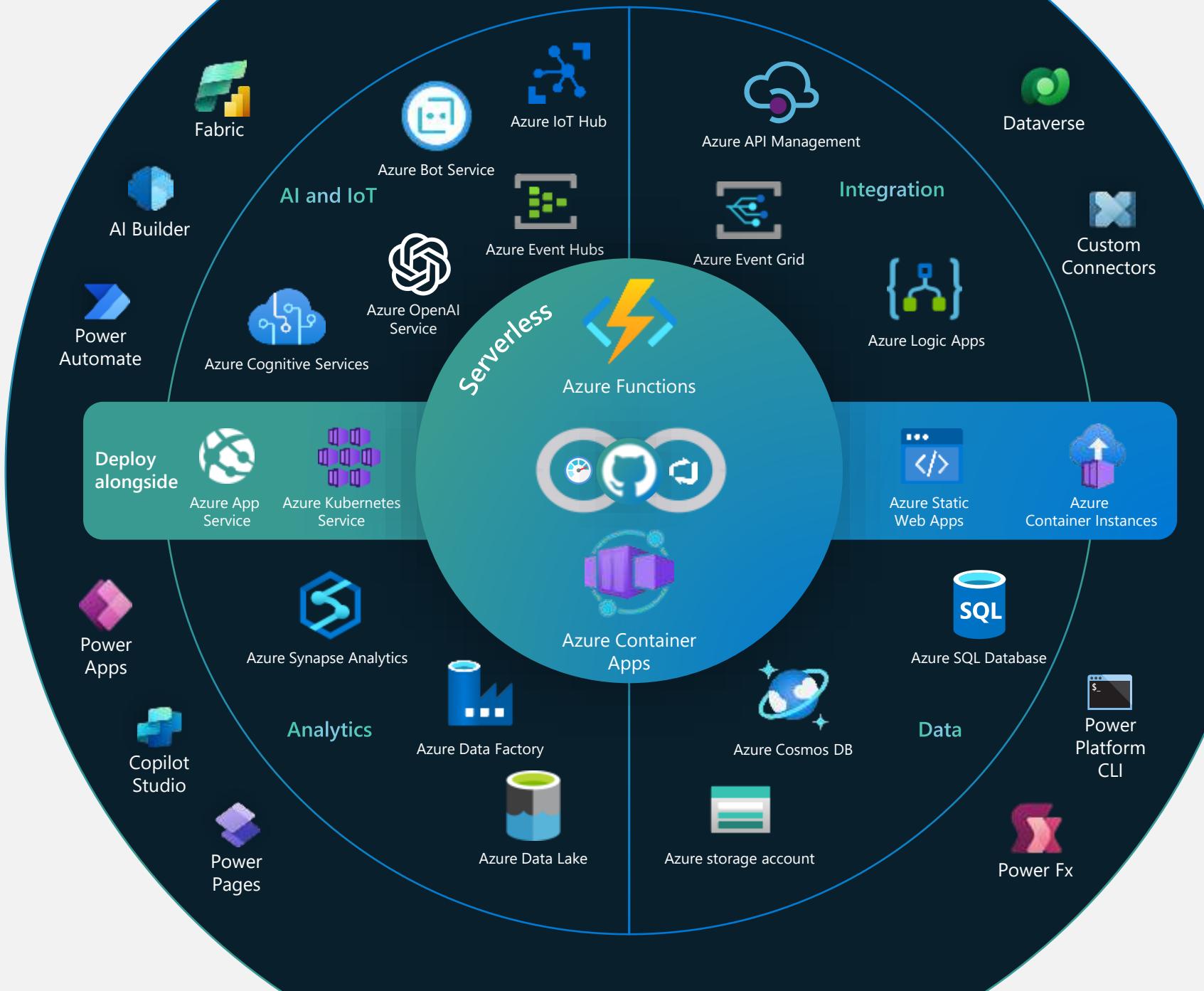


Less Code - Smart Code ☺ ☺

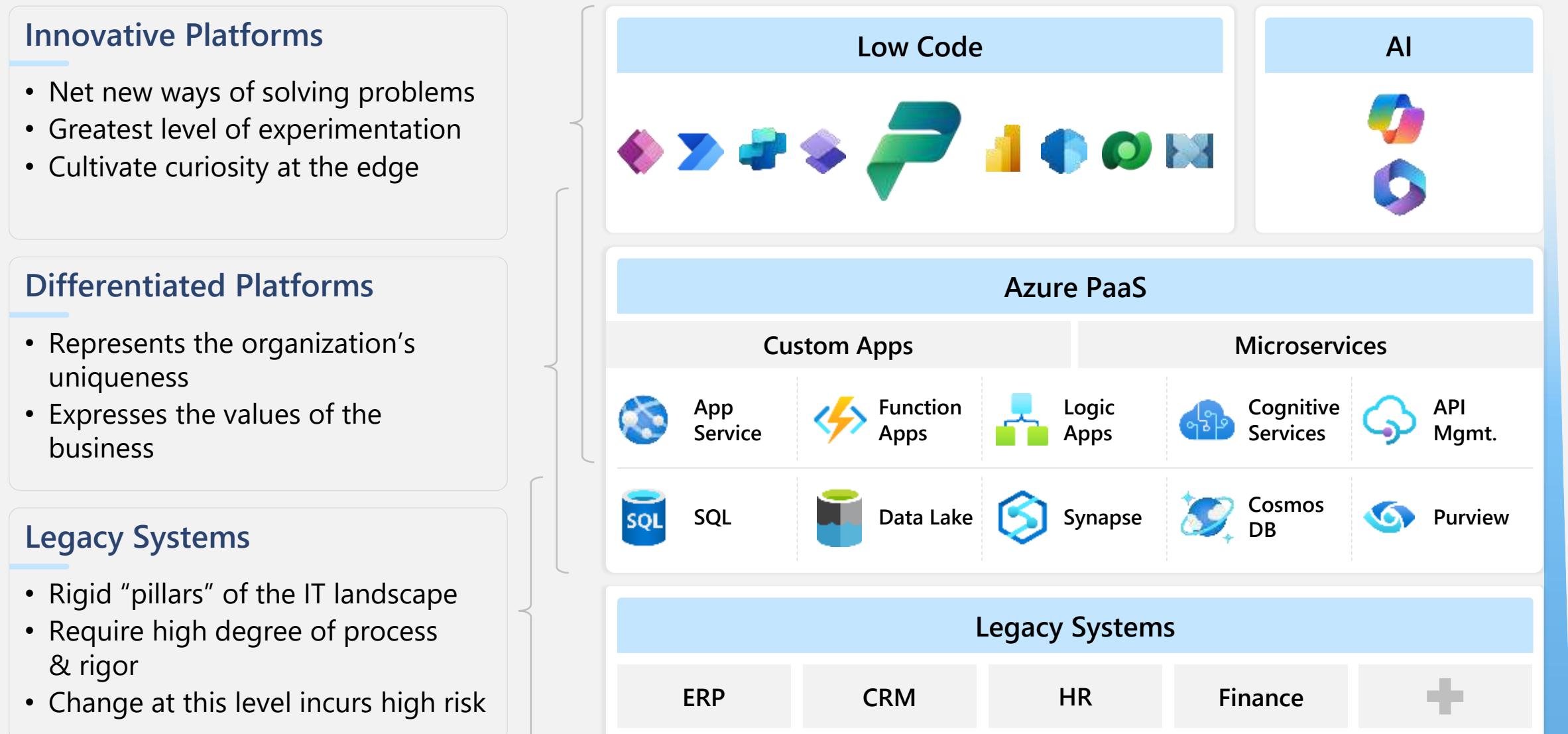
-  Less code to **maintain & patch**
-  Reduced framework **breaking changes** – end of life components
-  **Metadata** driven development
-  Build in **auth** & Role Base Access Management
-  Simplified **deployment & versioning** (especially database schemas)
-  Enterprise **monitoring & governance**



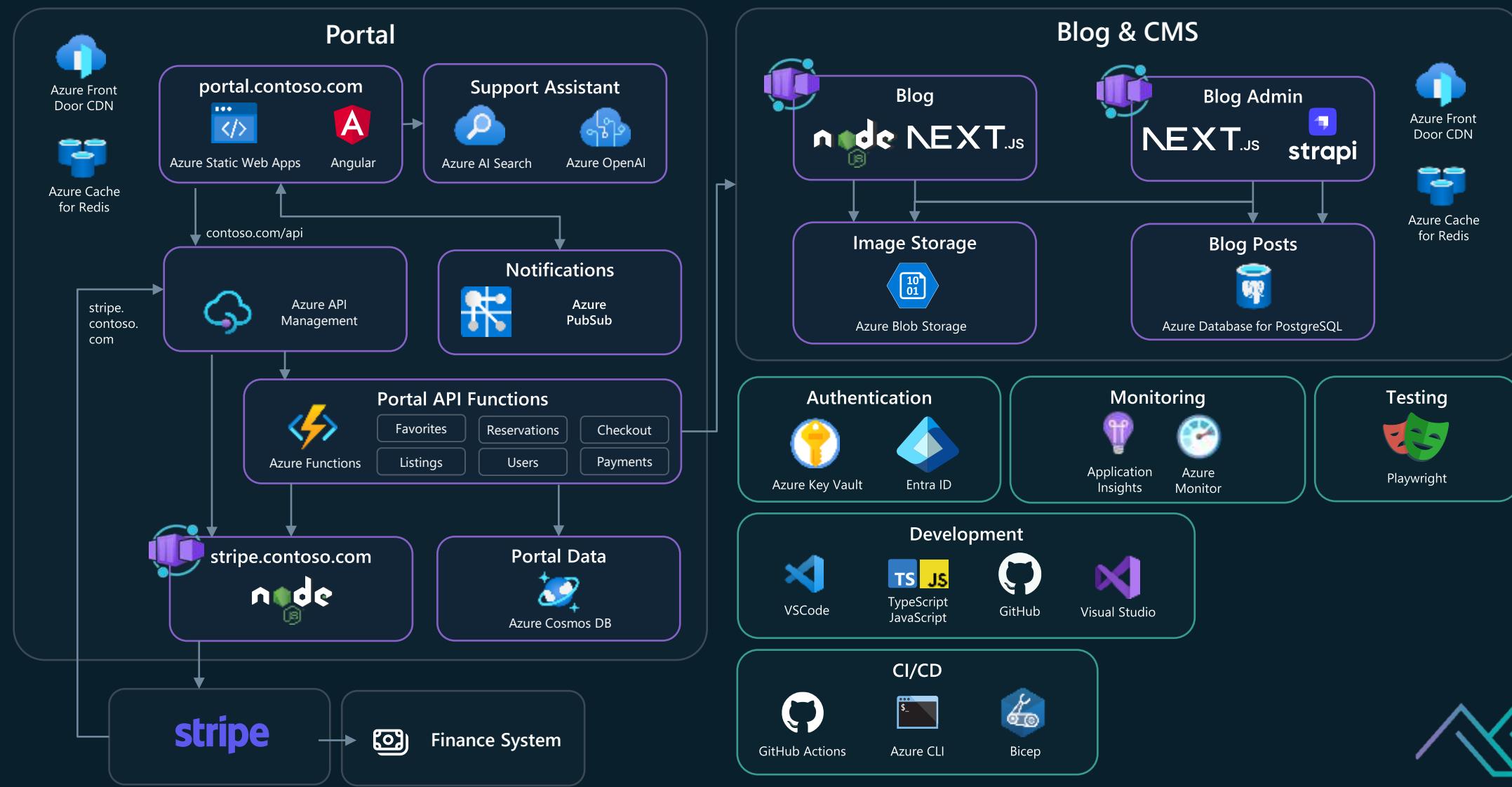
Runs on Azure
Extends Azure



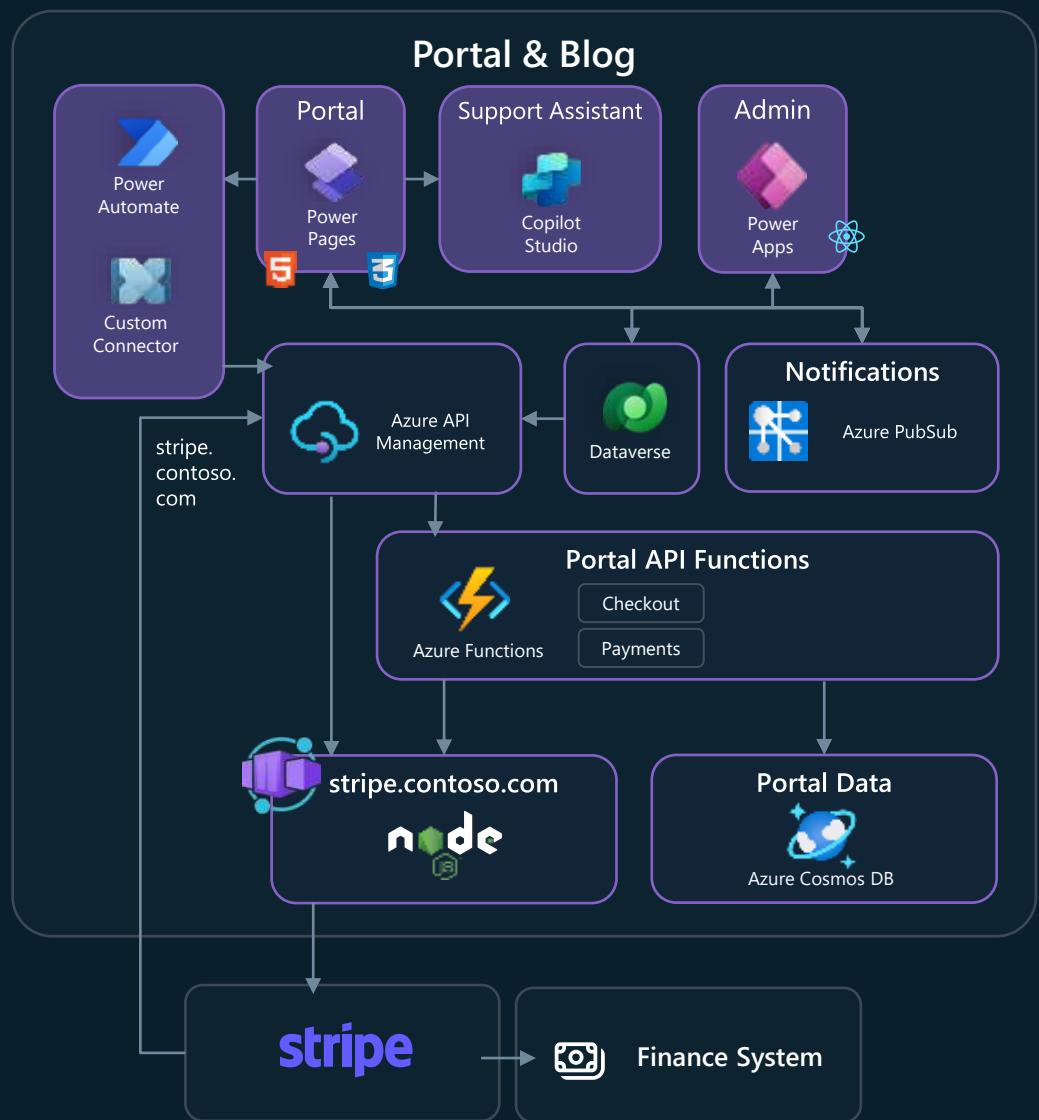
Composable Technology Architecture



Contoso Real Estate Architecture



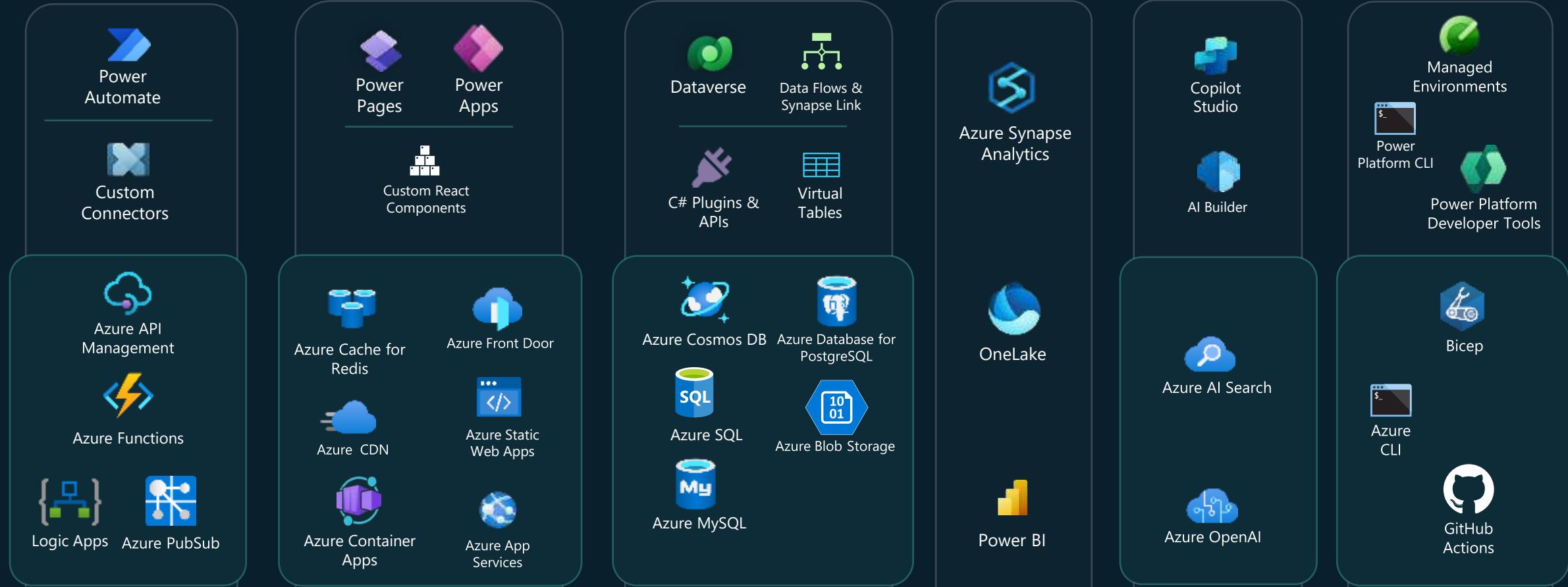
Contoso Real Estate Architecture



Innovate and Experiment



Accelerated full stack development with Power Platform



Entra ID



Azure Key Vault



VSCode



TypeScript
JavaScript



Visual Studio



C#



Power Fx



Github

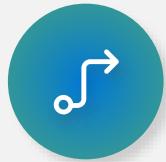
And the story continues...



Don't always try to
replace everything with
Power Platform



Learn to manage
solutions as source-code
aka.ms/pp/alm



Experiment and Innovate
with Power Platform



Learn to write
PCF controls
aka.ms/pcf



Think of Azure and Power
Platform as a single
technology landscape



Learn to create
custom connectors
aka.ms/learn-
custom-connectors



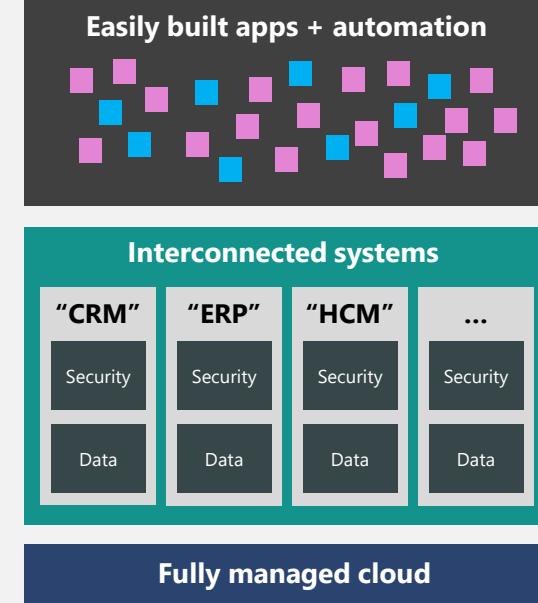
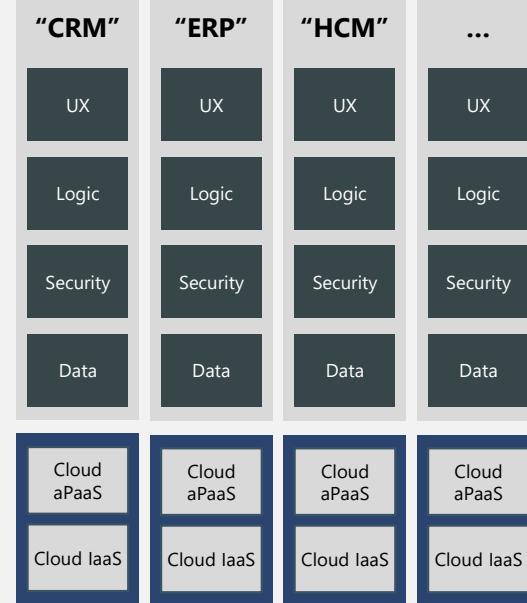
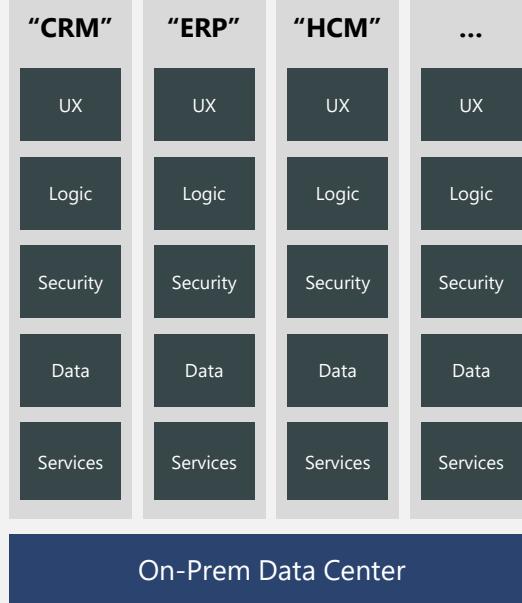
aka.ms/pp/dev

Patterns of value: Application modernization

Modernization drivers

Leverage newer technology for efficiency	Improve scalability	Improve reliability	Make maintenance easier	More portable code
Greater cloud efficiencies	Improve security posture	Quick cloud ROI	Move off outdated tech stack	Accelerate development times
Improve end-user experience	Recover data storage	No longer needed	Solve for missing functionalities	Reduce capital expenses
To expensive to maintain	Enable cross-solution connectivity	Improve performance	Faster, shorter updates	Reduce operating expenses
Enable mobile use	Adhere to regulatory requirements	Take advantage of newer technologies	Reduce technical debt	Eliminate legacy maintenance cost

Entering era of AI drives even more demand



Intelligent Orchestrators



Tailored, On-Demand Experiences



Data & Skills



Fully managed cloud

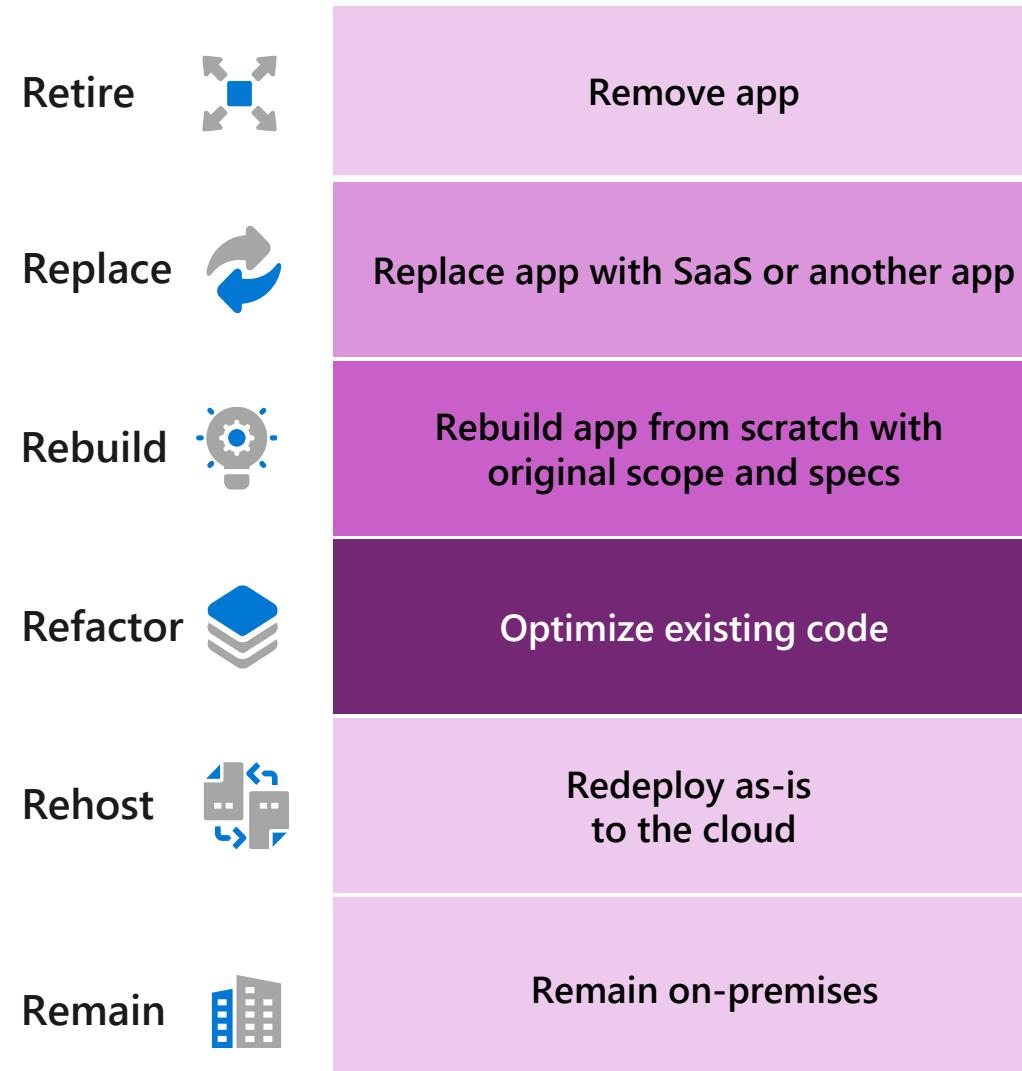


And the app development needs are growing

+
age of
AI demand

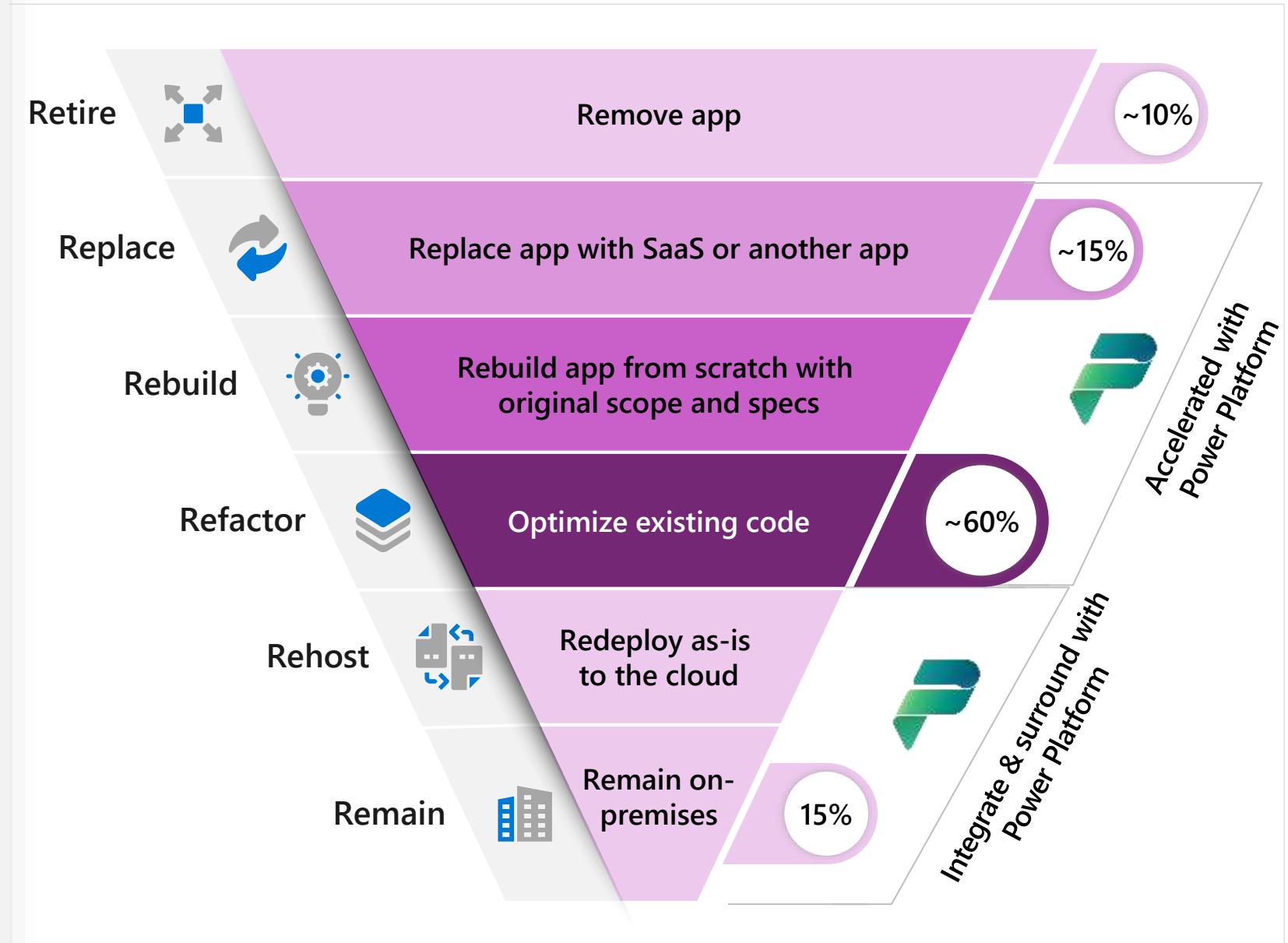
Backlog

How do you address all the different drivers?

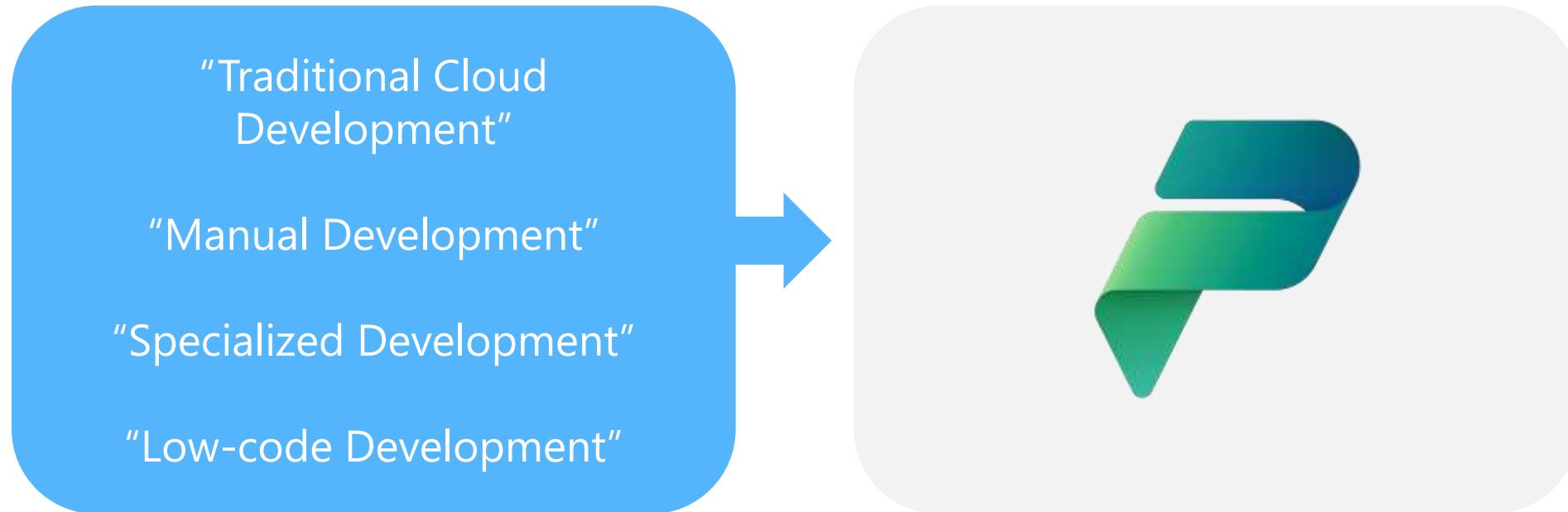


Modernization with Power Platform

90% of app modernization
can be accelerated or
supported with Power
Platform

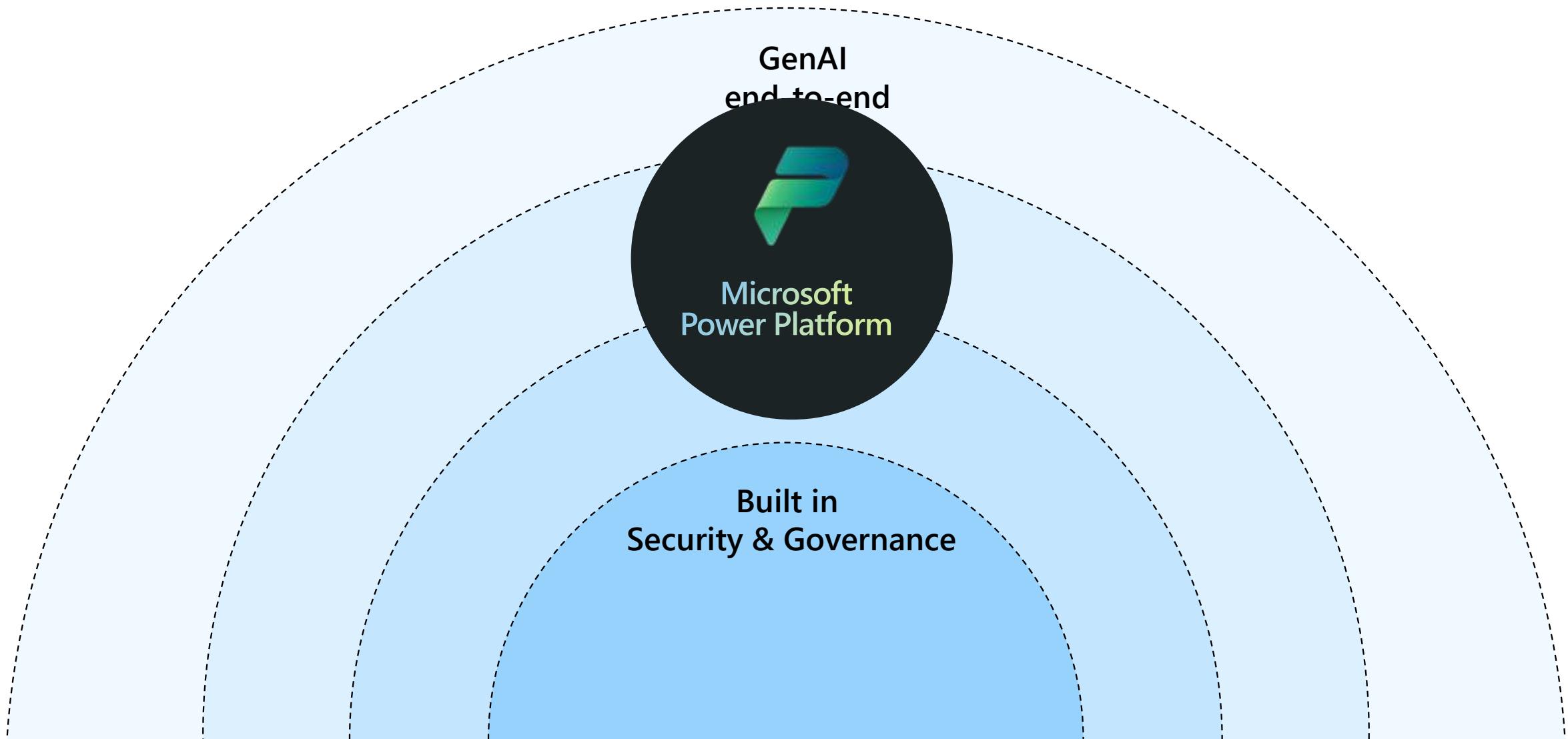


A platform that can support all development



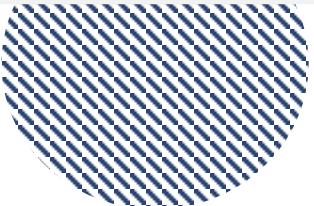
Microsoft Power Platform

The world's **most complete** platform for application modernization





Simplicity with foundations covered



Scalable and easy- to-manage governance

Rely on Microsoft Cloud's security & governance whether building for ten users or tens of thousands of users



Managed Environments

provide more visibility and control with less effort, included with Premium



Power Platform Pipelines

enable complete in box ALM capabilities



Power Platform advises to proactively manage risks



Environment Routing

enables high scale segmentation



Groups and Rules

make it possible to manage at scale

Foundational Microsoft Cloud security and governance.



Managed Environments for powerful governance

1

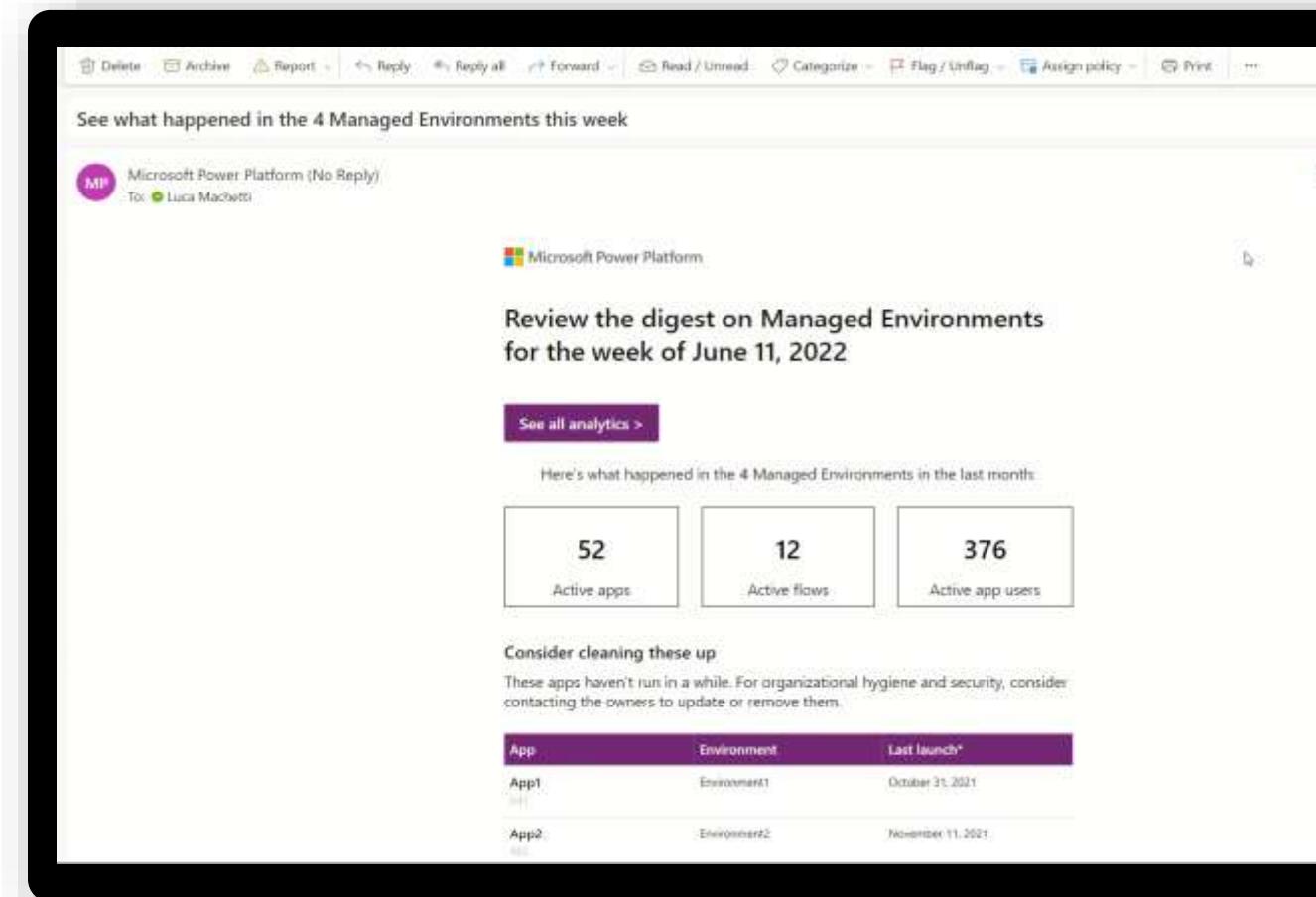
More visibility into the apps and automations in your organization

2

More control over which apps are deployed and who builds them

3

Less effort to manage and govern your entire application estate





Managed Environments

Features + Functionality

[Learn more](#) 

More visibility

- Usage insights
 - Admin digest
 - License reports
 - Data policy view
 - New Export data to Azure Application Insights
 - New AI generated descriptions for all Apps
-

More control

- Sharing limits
 - New Data Policies for Desktop Flows
 - Solution checker
 - Maker welcome content
 - New IP Firewall
 - New IP Cookie binding
 - New Customer Managed Keys
 - Customer Lockbox
 - New Extended Backups
-

Less effort

- Easy activation
- New Power Platform Pipelines
- New Environment Routing
- New Environment Groups and Rules

Less Effort – Power Platform Pipelines (ALM)

The screenshot shows the Microsoft Power Apps portal interface. The main area is titled 'Overview: Contoso'. It displays the following information:

- Details:** Display name: Contoso, Package type: Unmanaged, Name: Contoso, Publisher: Contoso, Created on: Dec 19, 2019 9:57 AM, Patch: No, Version: 1.0.0.6.
- Solution status:** Solution checker hasn't been run. A 'Run check' button is available.
- Data search:** Dataverse search and Manage search index options.
- Recently modified objects:** A table listing objects with their display names, names, types, last modified times, and owners. The objects listed are: Customers, Employees, Check-in, Support, and Match customer.

The left sidebar shows navigation links: Back to solutions, Contoso, Overview, Objects, History, and Deployment pipelines.



Admins

Setup Pipeline in < 2 min



Citizen devs

Initiate deployment



Developers

Run pipelines via CLI

Security Hub



Achieve the full potential of AI infused business applications with Enhanced Security Management

- **Assess** security posture for the tenant
- **Identify** areas to improve based on strategic guidance
- **Set** guardrails proactively
- **Extends** to maker surfaces

The screenshot shows the Power Platform Admin Center interface with the 'Security' section selected. The main dashboard displays a summary of the security posture status as 'Enhanced'. It includes a progress bar for 'Address remaining recommendations to improve security posture' at 45%. Below this, there are sections for 'Data policy', 'Customer Lockbox', and 'Environment security groups'. Each section provides a brief description, impact level (High or Low), recommended actions, completion status (e.g., 45% for Data policy), and refresh times. At the bottom, there are buttons to 'Manage data policy', 'Manage Customer Lockbox', and 'Manage environment security group'.

Public Preview
(landing Q4, FY24)

Robust data & integration platform

Drive value from data
wherever it is.



**Microsoft
Dataverse,**
a fully managed
heterogenous data
platform for AI-centric
applications, backing
many \$B businesses
at scale



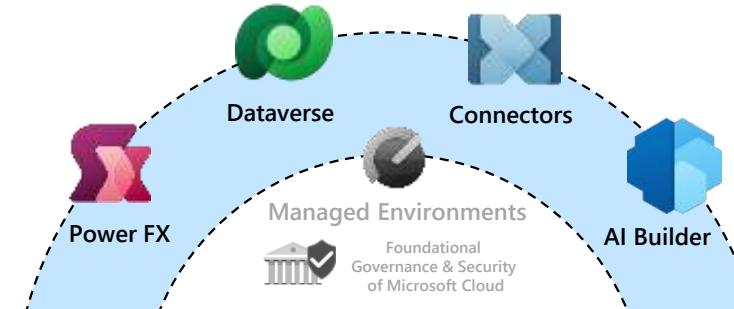
1400+ connectors
to systems including
SAP, Salesforce,
ServiceNow,
Workday, Oracle,
and many more



**Deep analytical
integration** with
Microsoft Fabric and
data lakes



**Custom
connectors**, data
virtualization, RPA
as API



What is Dataverse?



Dataverse **easily structures** a variety of data and **business logic** to support **interconnected applications** and **processes** in a secure and compliant manner

Why Dataverse?



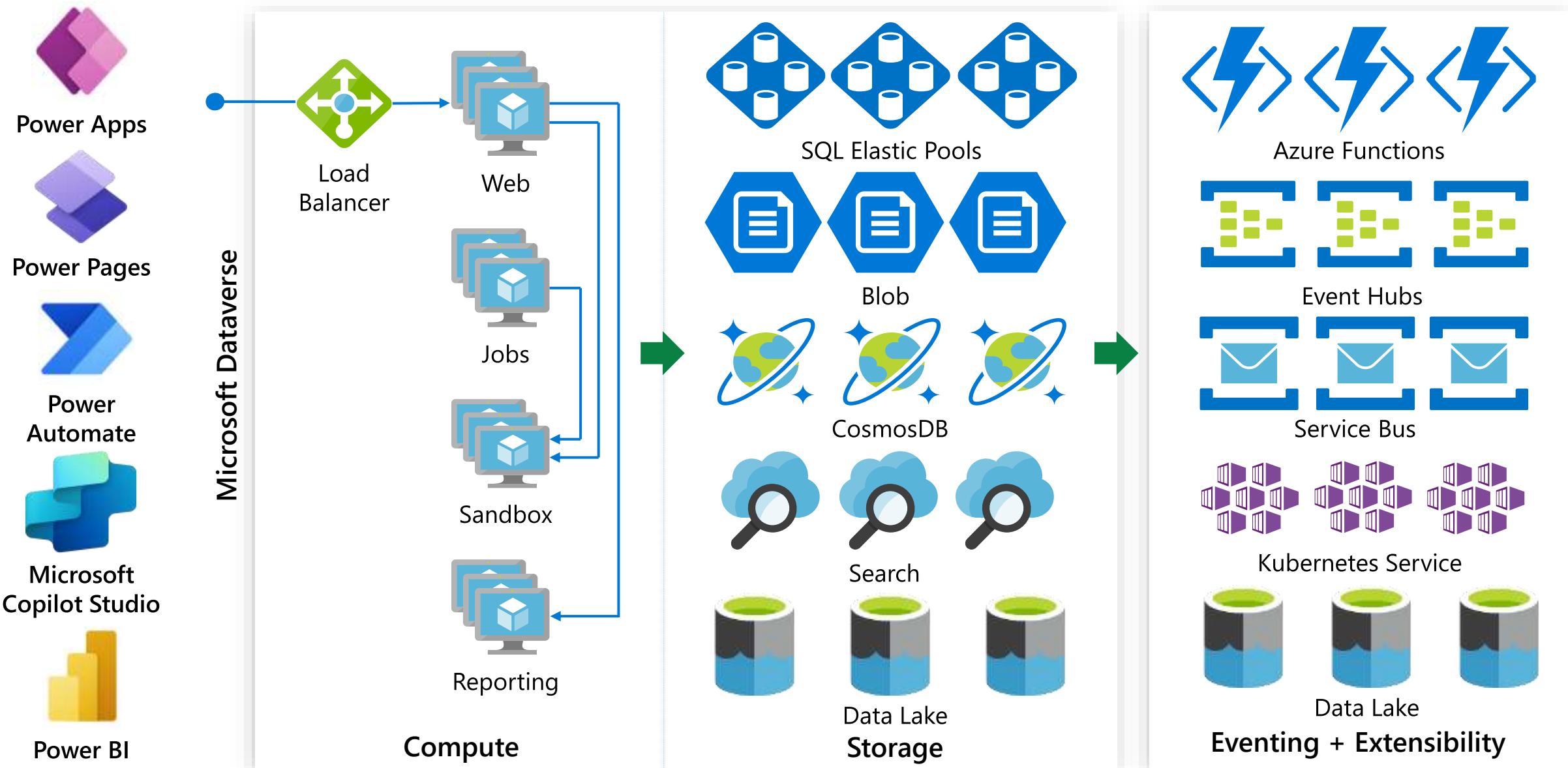
Data is responsible for **application performance** and can inform deep insights on **user behavior**.

Dataverse offers **powerful, scalable solutions** for your data, leveraging the security and connectivity across Microsoft and the Power Platform so that you can **fully control, automate, and strengthen your business**.

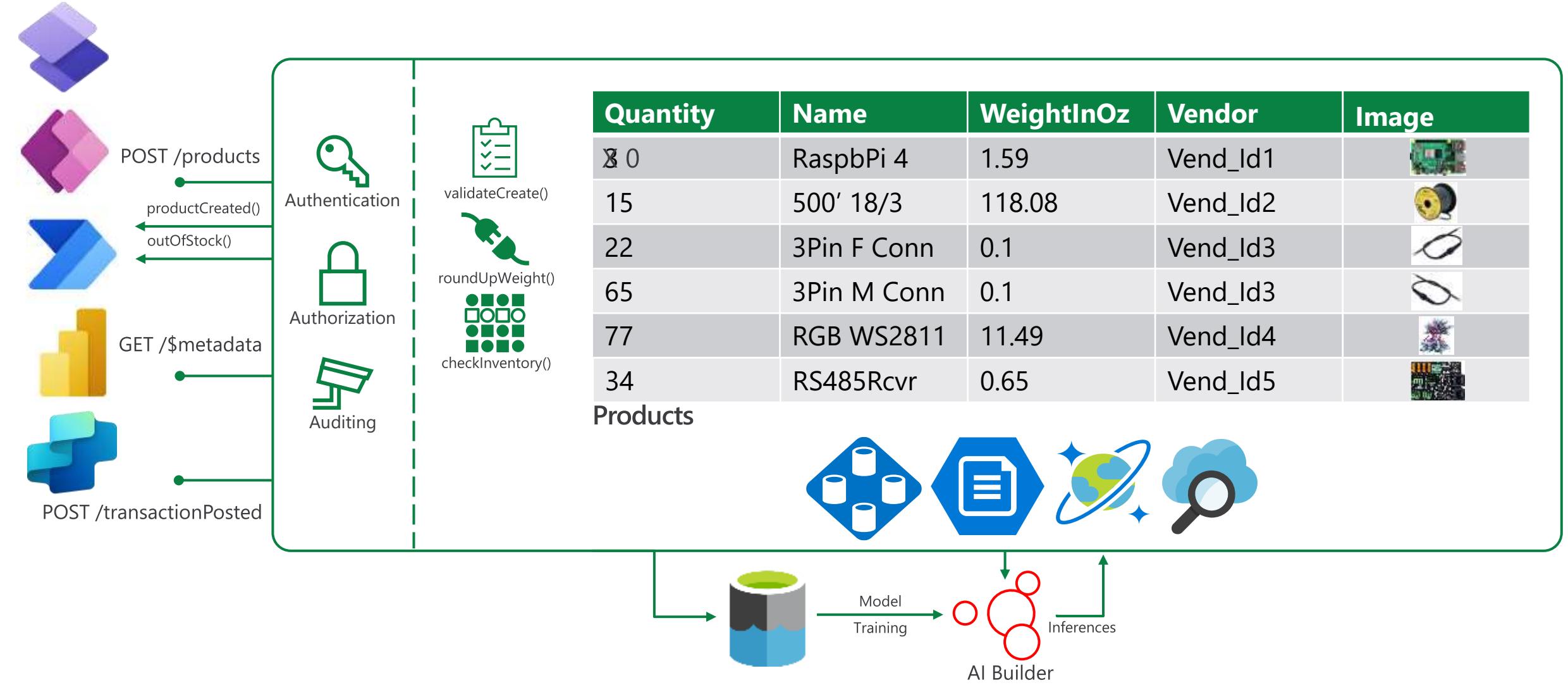
Microsoft Dataverse starts with a single endpoint and interface

The screenshot shows the Microsoft Dataverse interface for managing the 'Account' table. The top navigation bar includes 'Power Apps', a search bar, and environment information ('Personal Productivity'). The left sidebar has links for Home, Create, Learn, Apps, Tables (selected), Flows, Solutions, Dataflows, Component libraries, More, and Power Platform. The main content area shows the 'Tables > Account' page. It features a grid of tabs: 'Table properties' (containing Name: Account, Primary column: Account Name, Type: Standard, Last modified: 9 months ago), 'Properties' (with a 'Tools' dropdown), 'Schema' (with 'Columns', 'Relationships', and 'Keys' sections), 'Data experiences' (with 'Forms', 'Views', 'Charts', and 'Dashboards' sections), and 'Customizations' (with 'Business rules', 'Commands', and 'Messages' sections). Below these tabs is a section titled 'Account columns and data' with four columns: 'Account Name * ↑' (dropdown), 'Main Phone' (dropdown), 'Address 1: City' (dropdown), and 'Primary Contact' (dropdown). A button 'Update forms and views' is next to the 'Edit' button. At the bottom, there are input fields for 'Enter text' and 'Enter phone' under the first two columns, and 'Enter text' and 'Select lookup' under the last two. A button '+143 more' is also present.

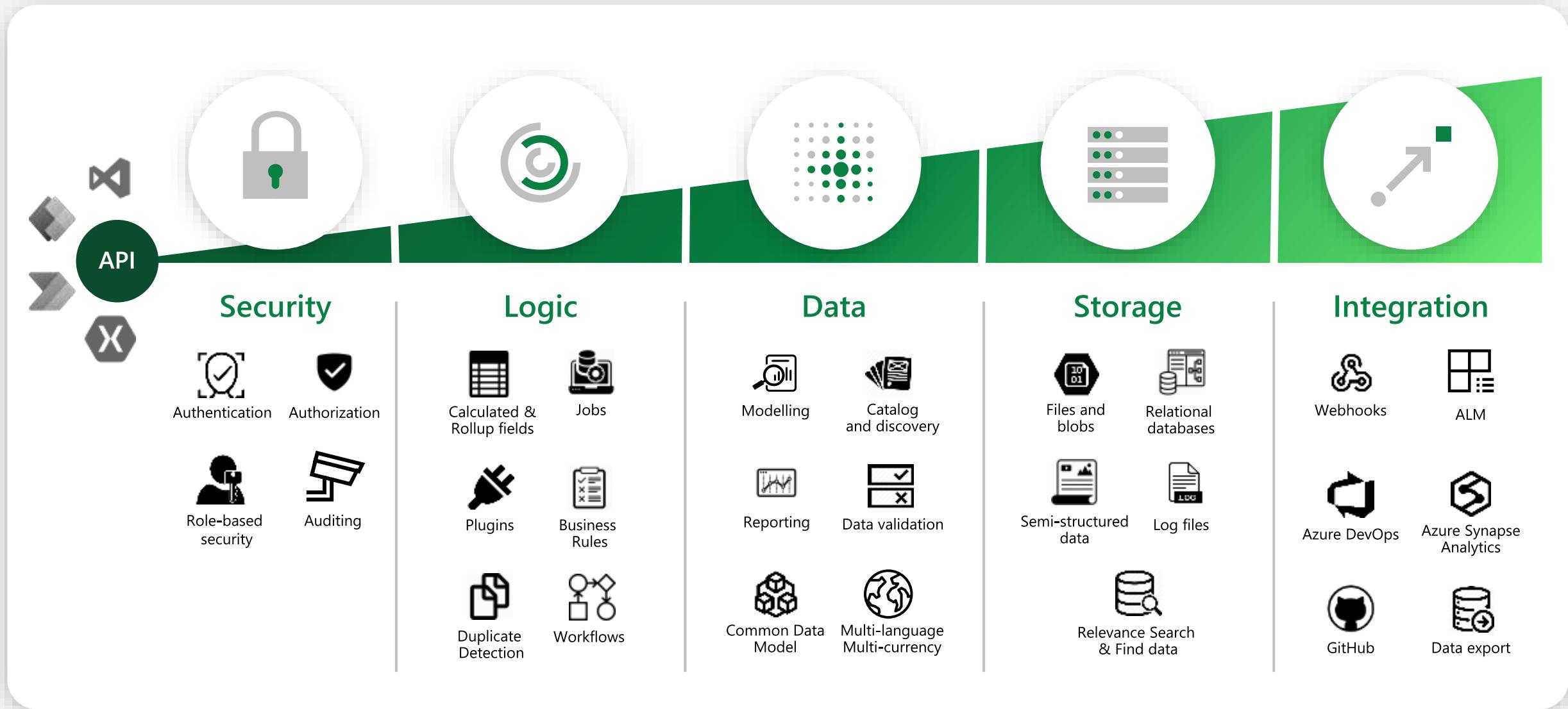
Microsoft Dataverse runs on Azure and extends on Azure



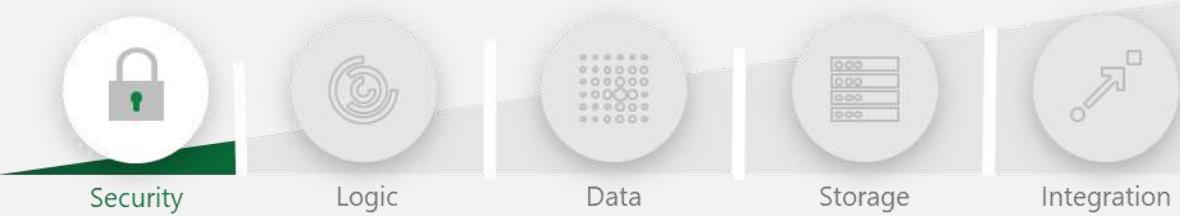
Dataverse: a low code data++ platform



Microsoft Dataverse – what's in the box?



Security



Conditional access and multi-factor authentication with rich auditing capabilities

Logic: Easily apply business logic at the data level

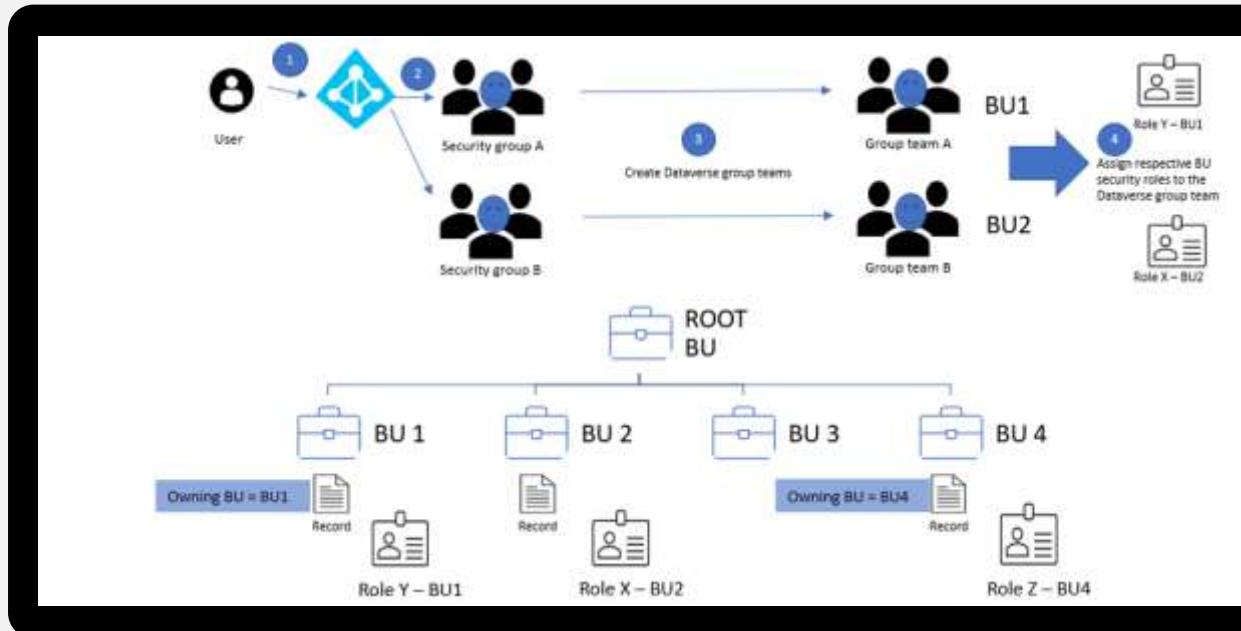
Data: Control to shape your data, allowing you to discover, model, validate, and report on your data

Storage: Stores your physical data in the Azure cloud. This cloud-based storage removes the burden of worrying about where your data lives or how it scales

Integration: Connects in different ways to support your business need

Auditing: Meets the external and internal auditing, compliance, security, and governance policies that are common to many enterprises

Data Loss Prevention: The Power Platform and Dataverse protects your data with Microsoft Data Loss Prevention (DLP) both data at rest and in transit

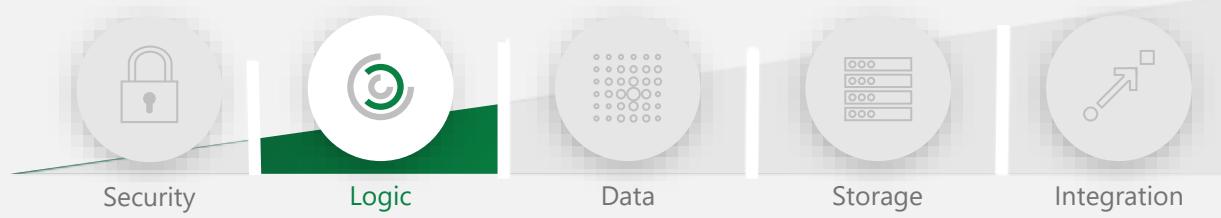


Create an Azure AD security group for each business unit and assign the respective business unit security role to each group team

Logic

Easily apply business logic at the data level

- Regardless **of how a user is interacting with the data**, the same rules apply. These rules could be related to duplicate detection, business rules, workflows, or more.
- You can create business rules and recommendations to apply logic and validations **without writing code or creating plug-ins**. Business rules provide a simple interface to implement and maintain fast-changing and commonly used rules.
- **Power Automate has several different flows** you can use to create automated workflows within Dataverse or between Dataverse and another app or service that can be used to synchronize files, get notifications, collect data, and more.

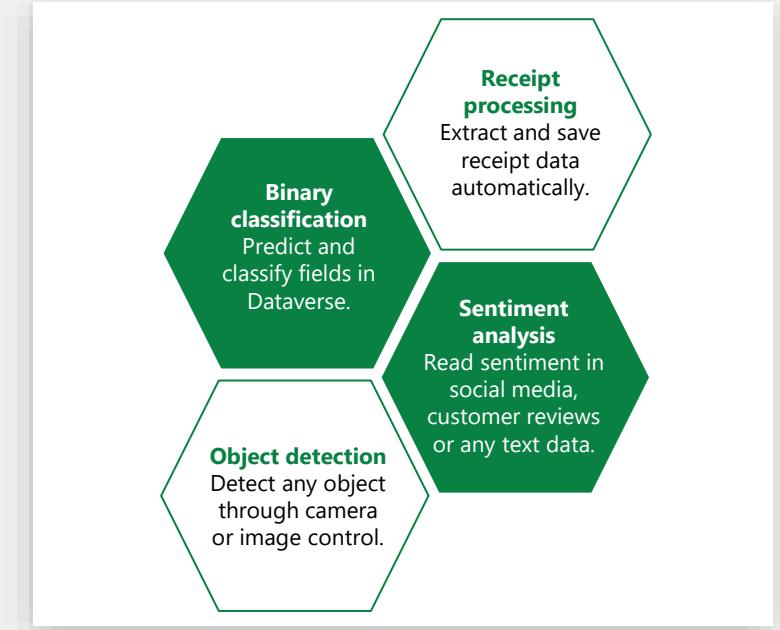
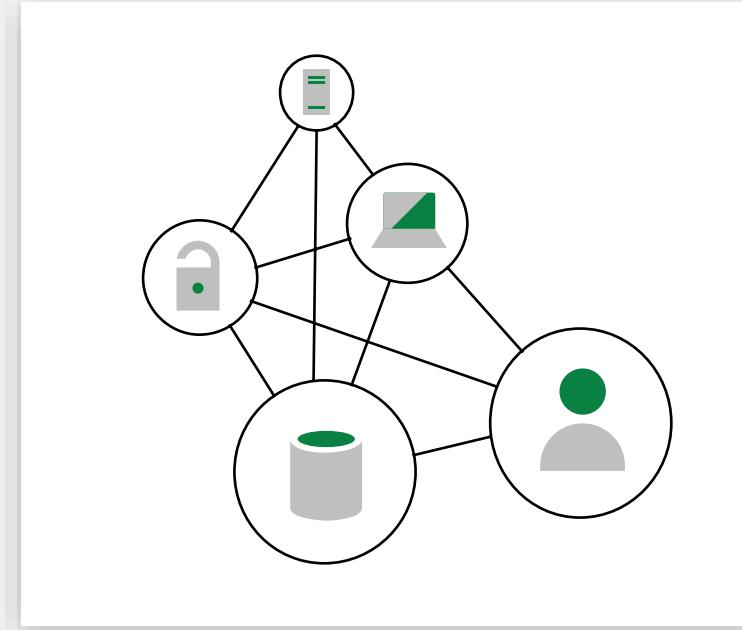


The screenshot shows the Dynamics 365 Project Operations interface. The top navigation bar includes 'Dynamics 365 | Project Operations', a search bar, and various action buttons like Save, Save & Close, New Project, Copy Project, Deactivate, Book, Delete, Refresh Project Totals, Refresh, Export to PDF, and Process. A timeline at the top indicates the project is 'Active for 37 minutes' and shows stages: New (37 Min) → Quote → Plan → Deliver. The main area displays a 'Professional Services Engagement' project record under the 'Summary' tab. The record includes fields for Project ID (P-001024-D), Name (Professional Services Engagement), Description (Professional Services Engagement), Owning Company (USPM), Customer (ADatum Corporation), Calendar template (PST 8 hrs), Currency (USD), Contracting Unit (Contoso Software US), and Project Manager (Molly Clark). To the right, there's a sidebar for 'Estimates' showing values for Estimated Start Date (1/28/2021), Finish Date (3/29/2021 at 4:00 PM), Effort (Hours) (4,992.00), Estimated Labor Cost (\$1,110,952.00), Estimated Expense Cost (\$52,010.00), and Estimated Total Cost (\$1,162,962.00). At the bottom, there are sections for 'Status' (Overall Project Status: Active) and 'Comments'.

Data, reporting and AI models



Seamlessly discover, model, validate, and report on your data



Dataverse offers you the **control to shape your data**. This control ensures your data looks the way you want regardless of how it is used.

Microsoft Dataverse allows you to **connect directly to your data using Power BI Desktop** to create reports and publish them to Power BI. From Power BI, reports can be used in dashboards, shared to other users, and accessed cross platform on Power BI mobile apps.

Leverage predictions directly from Microsoft Dataverse across your Power Platform solutions using **Prebuilt AI models such as text recognition, business card reader, entity extraction**, and more enable low code AI for apps and processes.

AI Builder



One hub for all AI capabilities



AI models

Democratized access to complex AI models including document processing, object detection, sentiment analysis, and many more.

GPT Prompts

Build GPT Prompts that trigger instructions to the GPT model hosted in Azure Open AI Service

AI Plugins

Extend Copilot by creating AI Plugins that can connect to external systems, format Copilot responses, and perform workflow operations

AI Builder



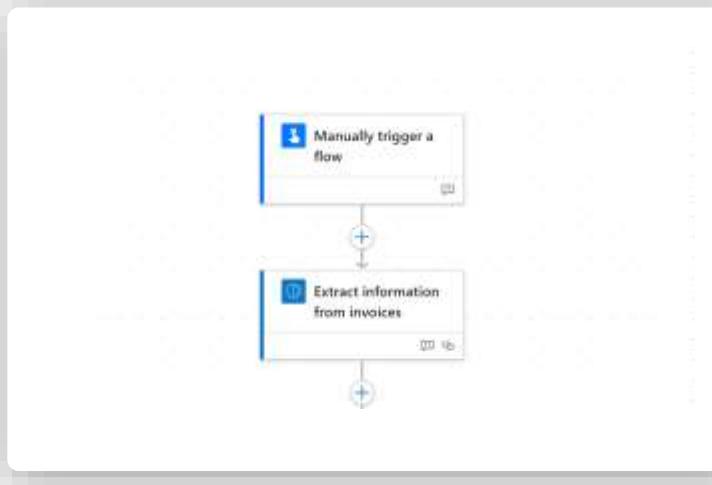
Easily implement and govern AI



Invoice processing

Extract information from invoices

PREBUILT MODEL



Pre-built Capabilities

Pre-built templates to leverage models and prompts without any training required

End-to-End Integration

Integrate AI capabilities into apps, workflows and Copilots. Improve model performance with feedback loops

AI Builder

Enable the usage of model types that are in preview

AI Builder preview models

On

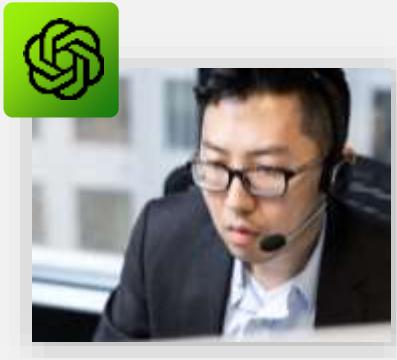
AI Governance

Govern who has access to AI capabilities and how AI models are used across your organization

AI Builder



Empower makers with AI capabilities



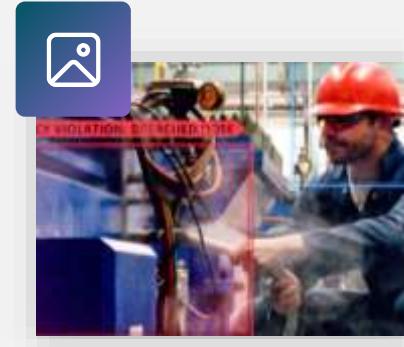
Generative AI

- AI actions w/ GPT
- Categorize E-mails
- Extract entities
- Extract key phrases
- Detect language
- Analyze sentiment
- Translate



Documents

- Process structured forms and unstructured documents
- Recognize text (OCR)
- Process invoices and receipts
- Process passports and US driver's licenses
- Process business cards



Images

- Detect objects
- Classify images
- Describe images



Structured Data

- Predict quantity
- Predict outcomes

AI Builder



Prompt Library and GPT Templates

Pre-configured prompts to help you get started with common scenarios:

AI prompts

- Find them
- Create text with GPT using a prompt
- Respond to a complaint
- Classify text
- Extract information from text
- Summarize text

Pre-configured templates to integrate prompts in an end-to-end workflow:

Power Automate

GPT

All templates Top picks Shared with me Remote work Approval Button Visio Data collection Email Calendar Mobile

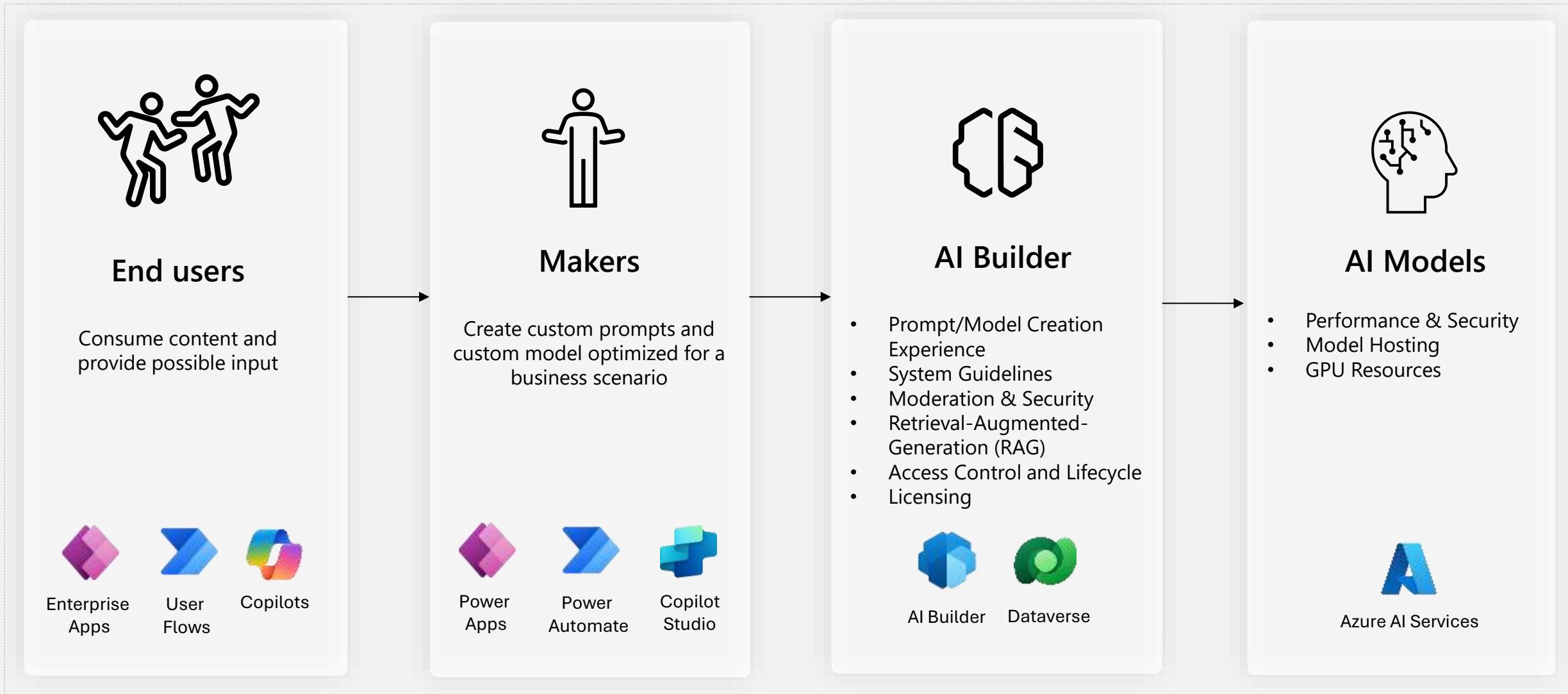
- Summarize emails using GPT
By Microsoft
Automated 314
- Extract information from documents using GPT
By Microsoft
Automated 256
- Reply to a customer email using GPT
By Microsoft
Automated 162
- Classify and route emails using GPT
By Microsoft
Automated 31

AI Builder



High Level Workflow

Microsoft Cloud



Demo

Intelligent document processing with AI Builder

Power Automate

Search

Environments
AI Builder

?

Home

Approvals

My flows

Create

Templates

Connectors

Data

Monitor

AI Builder

Explore

Models

Document automation

Process advisor

Solutions

Learn

Ask a chatbot

Add Intelligence to your business

Automate processes, find insights, and make applications more productive. Choose from prebuilt and customizable AI models, or leverage the models your company has already built.

Watch a 90 second video



Try out AI capabilities for each data type

All Documents Text Structured data Images

Invoice processing
Extract information from invoices

Text recognition
Extract all the text in photos and PDF documents (OCR)

Receipt processing
Extract information from receipts

Identity document reader
Extract information from identity documents

Business card reader
Extract information from business cards

Custom model
Document processing
Extract custom information from documents

Sentiment analysis
Detect positive, negative, or neutral sentiment in text data

Category classification
Classify customer feedback into predefined categories

Entity extraction
Extract key elements from text, and classifies them into predefined categories

Key phrase extraction
Extract most relevant words and phrases from text

Language detection
Detect the predominant language of a text document

Text translation
Detect and translate more than 90 supported languages

Category classification
Classify texts into custom categories

Entity extraction
Extract custom entities from your text

Prediction
Predict future outcomes from historical data

Object detection
Detect custom objects in images

Image classification
Classify your images based on their content (powered by Lobe)

Image description
Generate description of an image

Show detected words↑ ↓ 1 of 4 |

RENTAL LEASE AGREEMENT



This Rental Lease Agreement made this on 2nd of May, 2022 by and between Andre Lawson the "Landlord" and Preston Morales the "Tenant". The Landlord and Tenant are collectively referred to in this Agreement as the "Parties".

For the covenants contained herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. LEASE TERM. The term of this Agreement shall be a period of six (6) months, with a start date on 05-09-2022 and ending date on the day 11-07-2022 hereinafter known as the "Lease Term."

2. PROPERTY. The leased premises shall be comprised of that certain personal residence (including both the house and the land) located at 4567 Main St Buffalo, NY 98052 ("Premises"). Landlord leases the Premises to Tenant and Tenant leases the Premises from Landlord on the terms and conditions set forth herein.

3. MONTHLY RENT. The rent to be paid by Tenant to Landlord throughout the term of this Agreement is \$ 1,570 per month and shall be due on the 1st day of each month.

4. INSPECTION OF PREMISES. Landlord and Landlord's agents shall have the right at all reasonable times during the term of this Agreement and any renewal thereof to enter the Premises for the purpose of inspecting the Premises and all buildings and improvements thereon. And for the purposes of making any repairs, additions or alterations as may be deemed appropriate by Landlord for the preservation of the Premises or the building. The right of entry shall likewise exist for the purpose of removing placards, signs, fixtures, alterations or additions, that do not conform to this Agreement or to any restrictions, rules or regulations affecting the Premises.

5. SECURITY DEPOSIT. Upon the due execution of this Agreement, Tenant shall

Rental agreements model | Quick tips | Save and close

Collection 1



< Document 3 of 5 >

 Add field Landlord Tenant Monthly rent amount Address Tables Inventory

 [Edit model](#) [Share](#) [Settings](#) [Delete](#) [Share feedback](#)

- [Home](#)
- [Action items](#)
- [My flows](#)
- [Create](#)
- [Templates](#)
- [Connectors](#)
- [Data](#)
- [Monitor](#)
- [AI Builder](#)
- [Explore](#)
- [Models](#)
- [Document automation](#)
- [Process advisor](#)
- [Solutions](#)
- [Learn](#)

Models > My invoices AI model

Document Processing • Published • David Beaulieu

Accuracy score

[More details](#)

This model correctly predicted 99% of actual results and may be ready to be used. To improve the accuracy score, [review full evaluation](#).

[Use model](#)[Quick test](#)

Information to extract

[More details](#)

abc	Invoice Id	99
abc	Bill to address	99
abc	Due date	99
abc	Subtotal	99
abc	Tax amount	99
abc	Shipping amount	99
abc	Total amount	99
list	Line items	97

How your model is used



Power Automate
[See documentation](#)



Power Apps
[See documentation](#)

Demo

Retrieval-Augmented Generation (RAG) with AI Builder

- Home
- Create
- Learn
- Apps
- Tables
- Flows
- Solutions
- AI models**
- Chatbots
- More
- Power Platform

Unlock the power of generative AI with GPT

Use a GPT model running on Azure OpenAI Service to supercharge your flows and apps. Automate answering questions, summarizing documents, and more.

Try the preview



AI Models > Explore

All

Documents

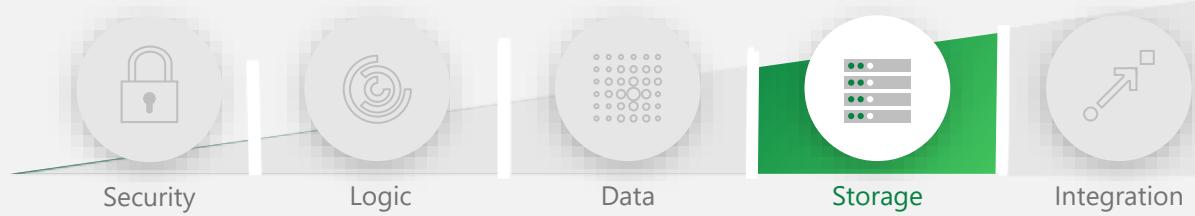
Text

Structured data

Images

 Invoice processing Extract information from invoices	 Text recognition Extract all the text in photos and PDF documents (OCR)	 Receipt processing Extract information from receipts	 Identity document reader Extract information from identity documents	 Business card reader Extract information from business cards	 Custom model Document processing Extract custom information from documents
 Text generation Create text, summarize documents, and more with GPT	 Sentiment analysis Detect positive, negative, or neutral sentiment in text data	 Category classification Classify customer feedback into predefined categories	 Entity extraction Extract key elements from text, and classifies them into predefined categories	 Key phrase extraction Extract most relevant words and phrases from text	 Language detection Detect the predominant language of a text document
 Text translation Detect and translate more than 90 supported languages	 Category classification Classify texts into custom categories	 Entity extraction Extract custom entities from your text	 Prediction Predict future outcomes from historical data	 Object detection Detect custom objects in images	 Image description Generate description of an image

Search



Relevance search

- Delivers fast and comprehensive results across multiple tables in a single list, sorted by relevance. It's a fast and accurate search with a superior performance to [categorized search](#). Receive suggested results as you type with better matching and intelligence that anticipates what you need.

Search across documents in Microsoft Dataverse

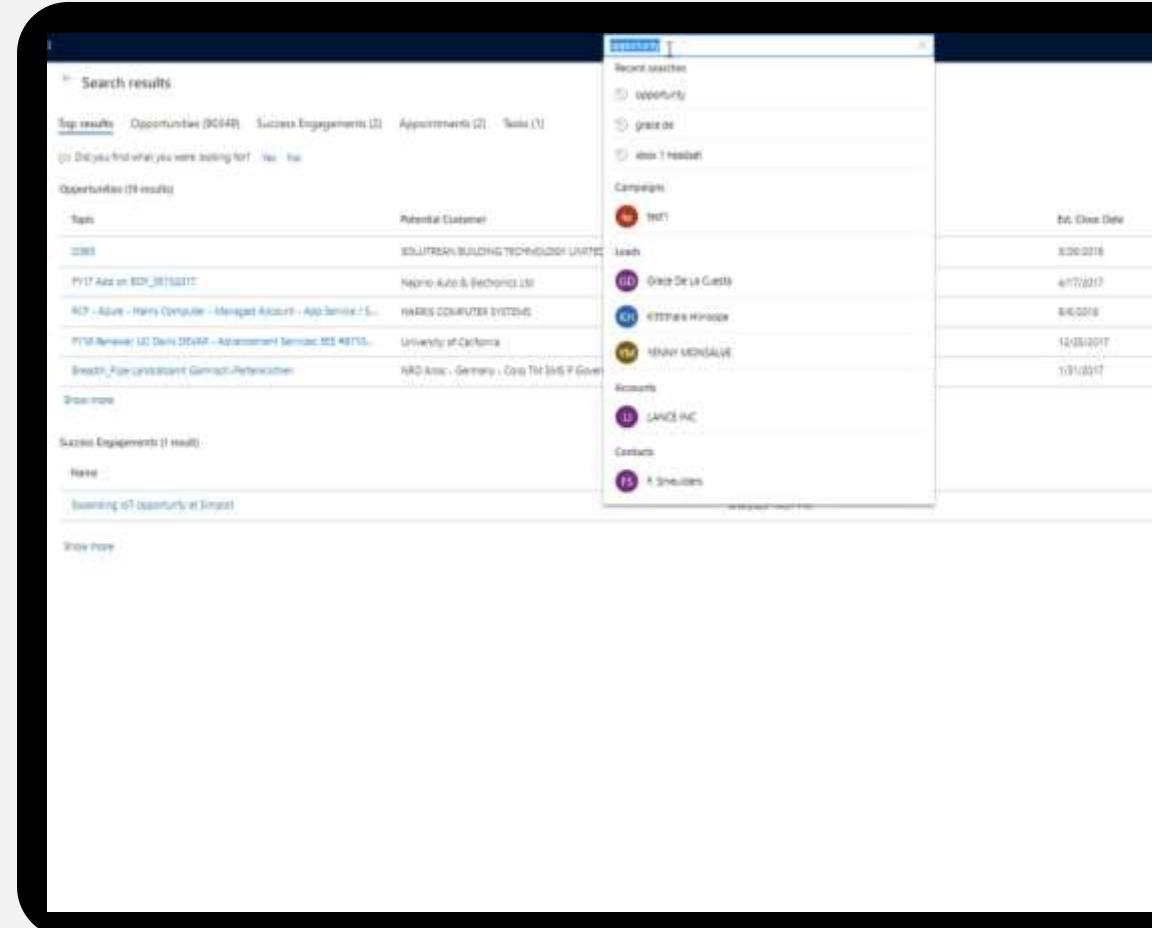
- Includes search results for text in documents that are stored in Dataverse such as PDF, Microsoft Office documents, HTML, XML, ZIP, EML, plain text, and JSON file formats. It also searches text in notes and attachments.

Understanding of underlying data

- Understands data types like "Choice" and "Lookup", so it can effectively interpret a search query that includes multiple search terms.

Operators for advanced search

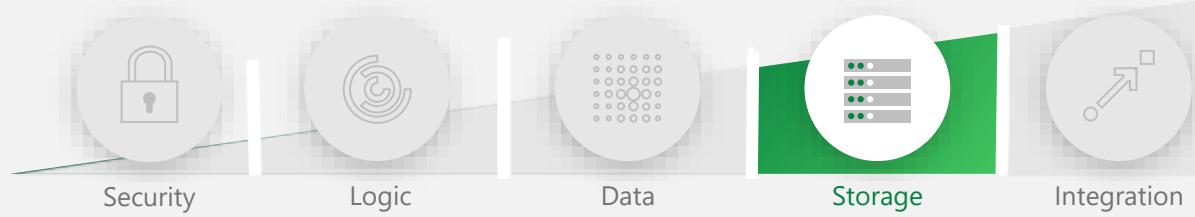
- Lets you use simple Boolean operators in your search term and craft the query to get the results you want.



Additional Resources:

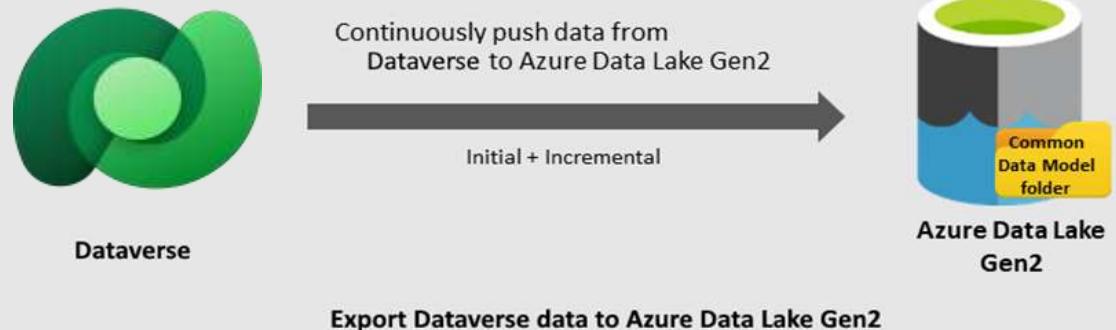
- [Learn how to use Relevance Search](#)
- [Dataverse Search Reads Your Mind with Miti Joshi](#)

Export to Datalake

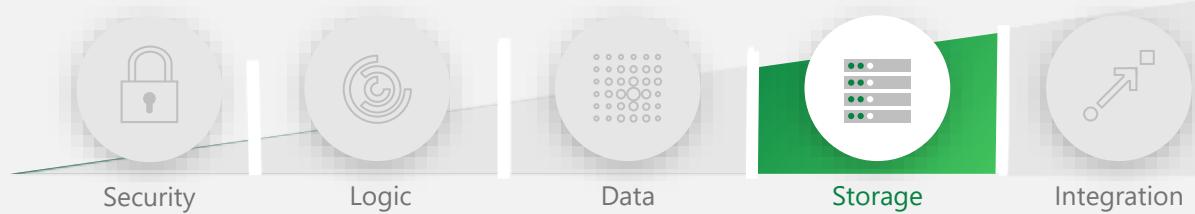


The **Export to Data Lake service** is a pipeline to continuously export data from Microsoft Dataverse to Azure Data Lake Storage Gen2. Export to Data Lake provides these features:

- Linking or unlinking the Dataverse environment to Data Lake Storage Gen2 in your Azure subscription.
- Continuous replication of tables to Data Lake Storage Gen2.
- Initial write, followed by incremental writes for data and metadata.
- Replication of both standard and custom tables.
- Replication of create, update, and delete (CUD) transactions.
- Continuous snapshot updates for large analytics scenarios.
- Facilitated metadata discovery and interoperability



Virtual Connection Provider



Create virtual tables easily by letting Dataverse do some of the work for you

Virtual tables connect to existing data outside of Dataverse and allows you to access it within an app so you no longer need to:

- Create plug-ins for APIs
- Create Service Principles
- Search for which tables/lists are compatible in your data source

Use the **Virtual Table Creation Wizard**
To set up a new virtual table will appear quickly!

Supported data sources

- | | |
|----------------|----------------------------------|
| • SQL Server | • Salesforce ¹ |
| • Excel Online | • Microsoft Fabric ¹² |
| • Sharepoint | • Oracle ¹² |
| • OData v4 | |

¹ Preview ² Power Pages only

The screenshot shows the Microsoft Power Apps portal interface. At the top, there's a purple header bar with the Microsoft logo and navigation links. Below the header, a main content area has a dark background with white text and icons.

Build business apps, fast

Create apps that connect to your data and work across web and mobile. [Learn about Power Apps](#)

Start from:

- Blank app**: Create an app from scratch and then add your data. [Watch video](#)
- Dataverse**: Start from a Dataverse table to create a three-screen app. [Watch video](#)
- SharePoint**: Start from a SharePoint list to create a three-screen app. [Watch video](#)
- Excel**: Start from an Excel file to create a three-screen app. [Watch video](#)
- SQL**: Start from a SQL data source to create a three-screen app. [Watch video](#)

Learning for every level [See all](#)

- Get started with Power Apps** Beginner, 31 mins
- Author a basic formula to change properties in a...** Beginner, 42 mins
- Work with external data in a Power Apps canvas app** Intermediate, 41 mins
- Manage and share apps in Power Apps** Beginner, 42 mins

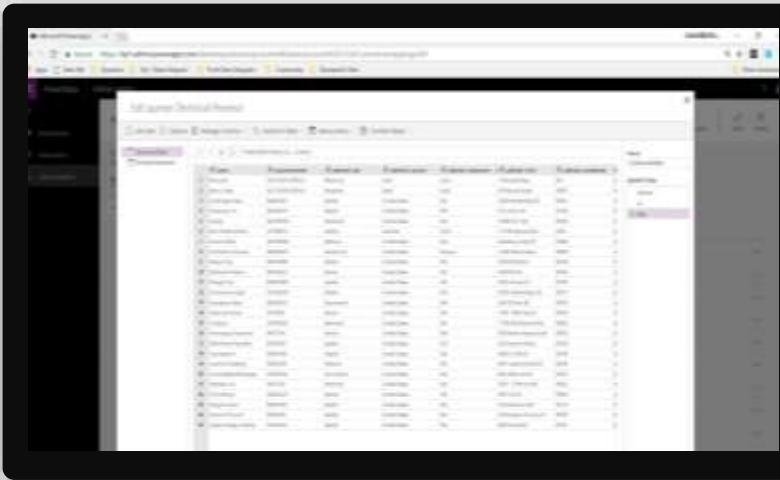
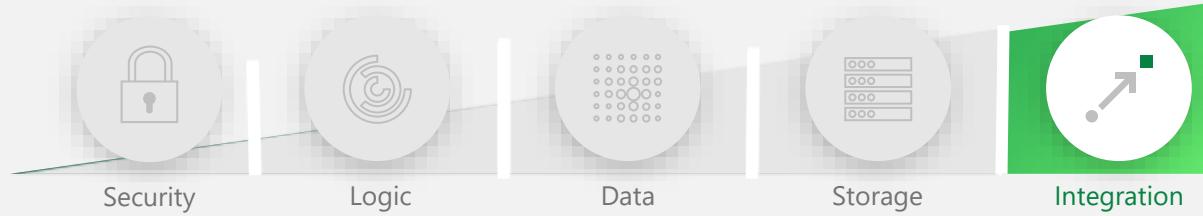
Your apps

2 connection references needs to be updated.

Name	Modified	Owner	Type
Asset Checkout	1 wk ago	Frank Lin	Model-driven
Innovation Challenge	1 wk ago	Frank Lin	Model-driven

Integration

Extend your data to meet your business needs

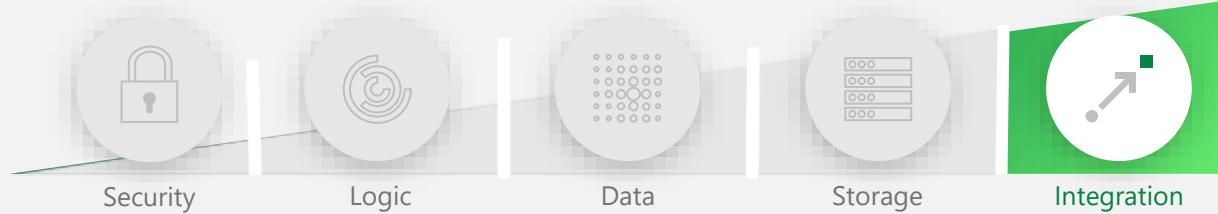


Dataverse connects in different ways to support your business needs. APIs, webhooks, eventing, and data exports give you flexibility to get data in and out.

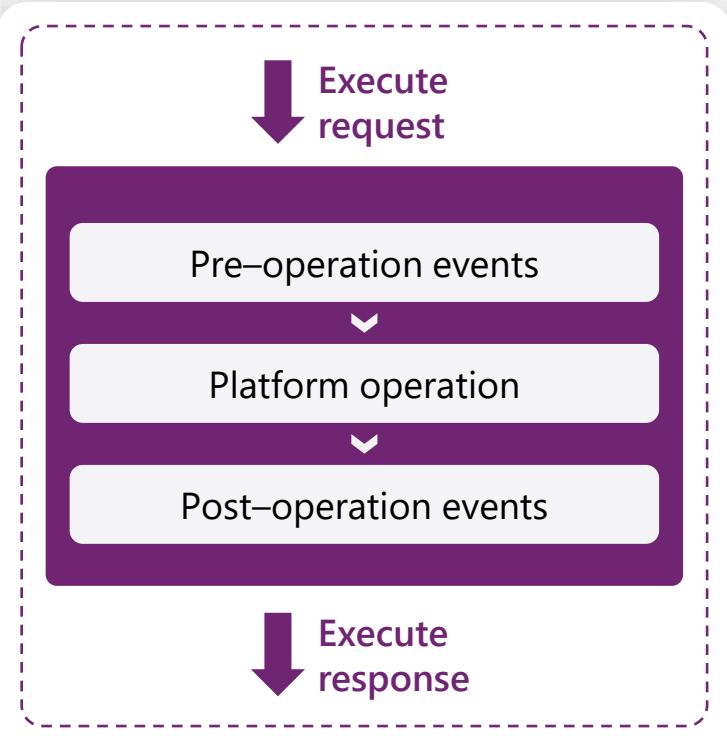
Data integration capabilities built-in to Dataverse include Excel Power Query and Built-in management features like CDM entity mapping UX, environments, and scheduled refresh.

Leverage external data through custom connectors or 475+ prebuilt connectors for cloud and on-premises connectivity. Break down data silos by using multiple data sources in a single application.

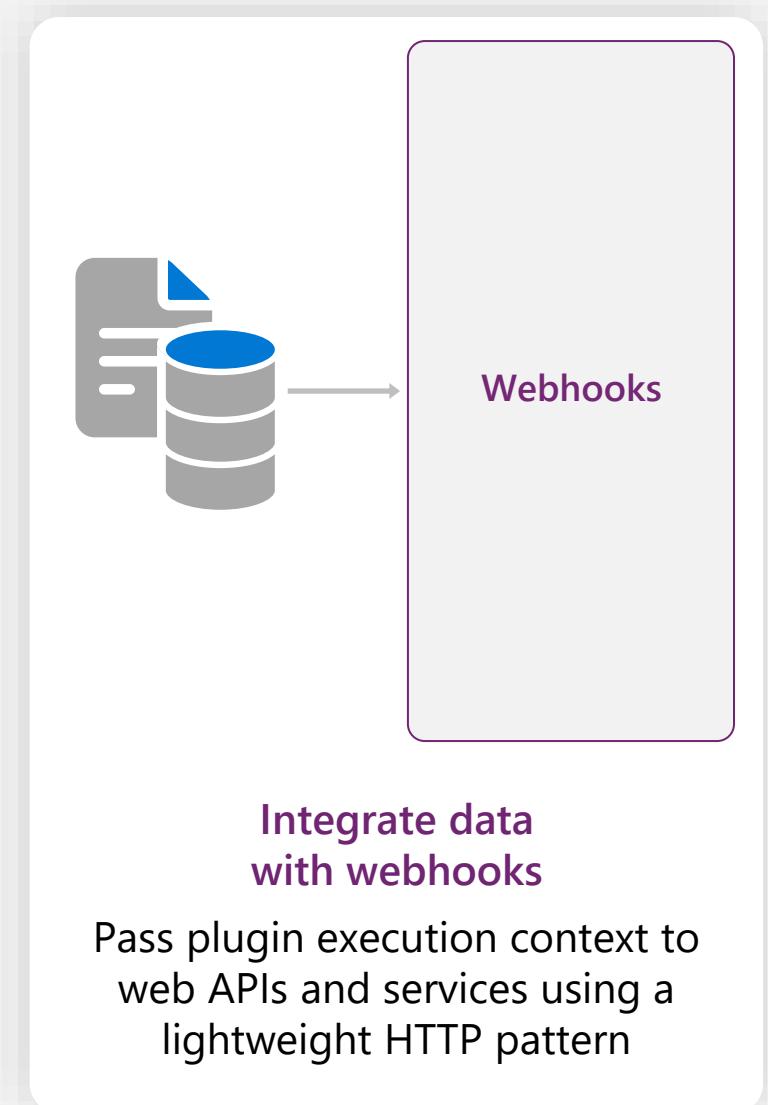
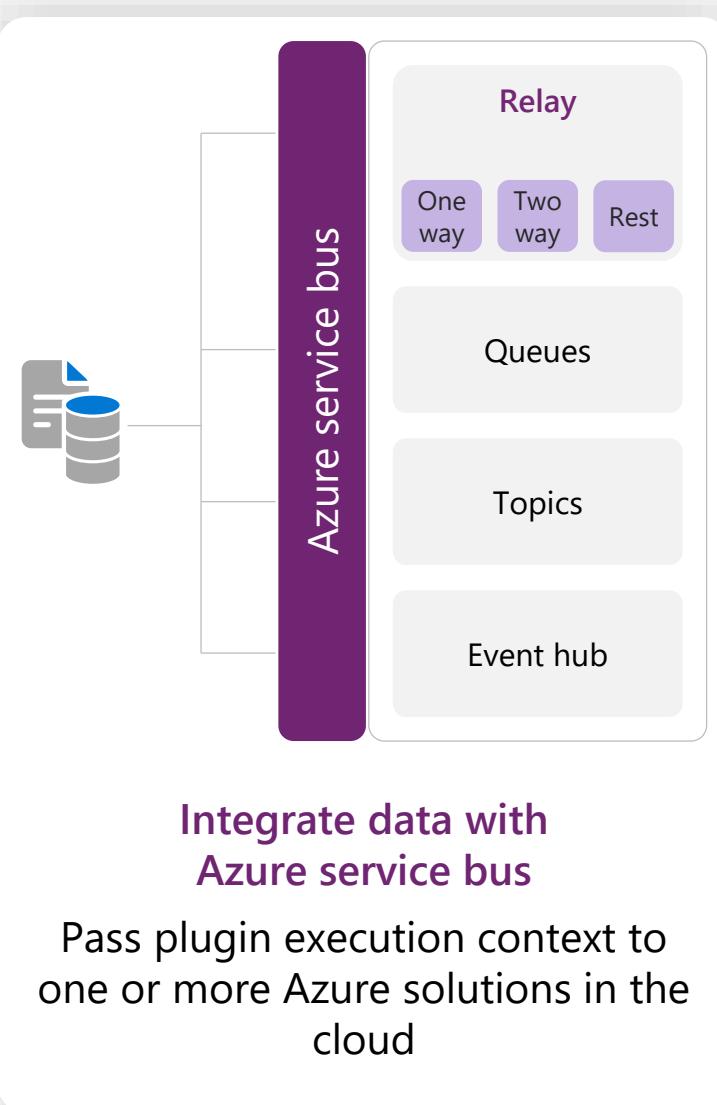
Integration



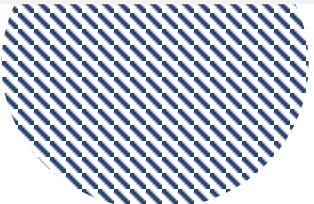
Service-side Extensibility for Dataverse



Use plugins to add custom code before or after platform operations



Accelerated modernization with makers and ProDevs



A complete suite of building tools

Apps, automation, pages, dashboards and copilots. All in one, easy to build, easy to connect.

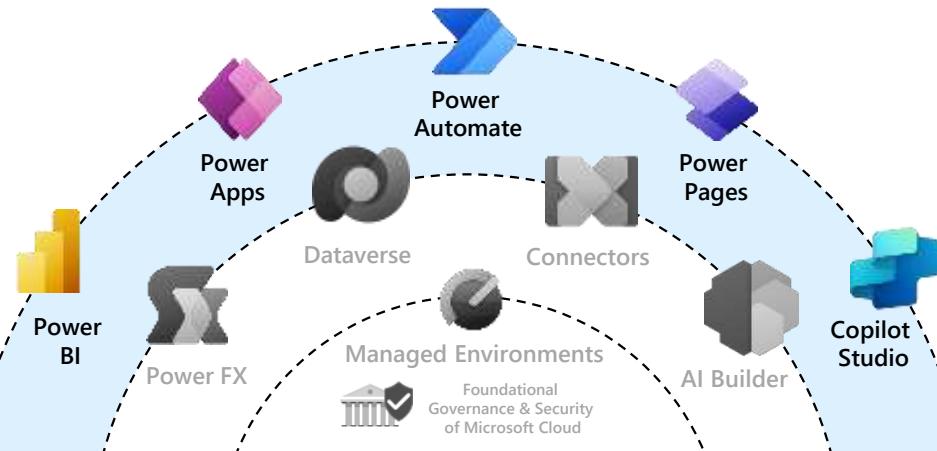
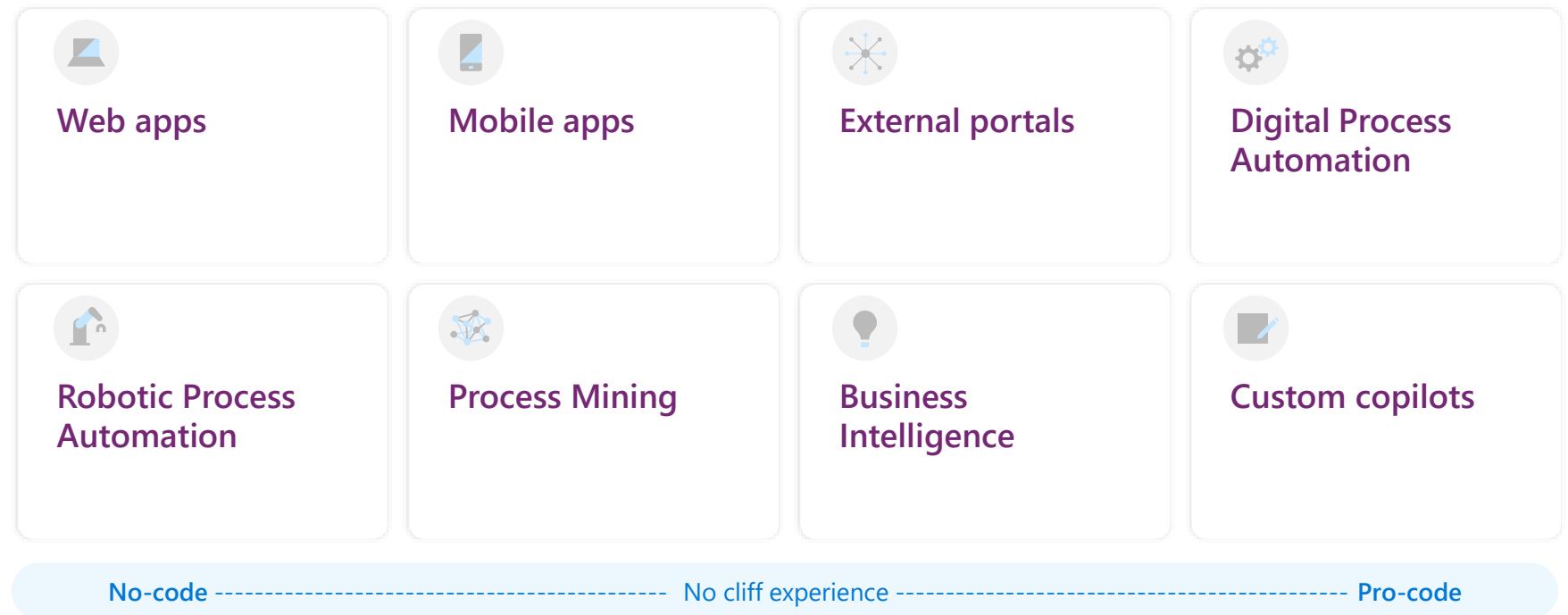
Two modes:



Personal and team productivity mode



Enterprise application mode



Personal and team productivity model

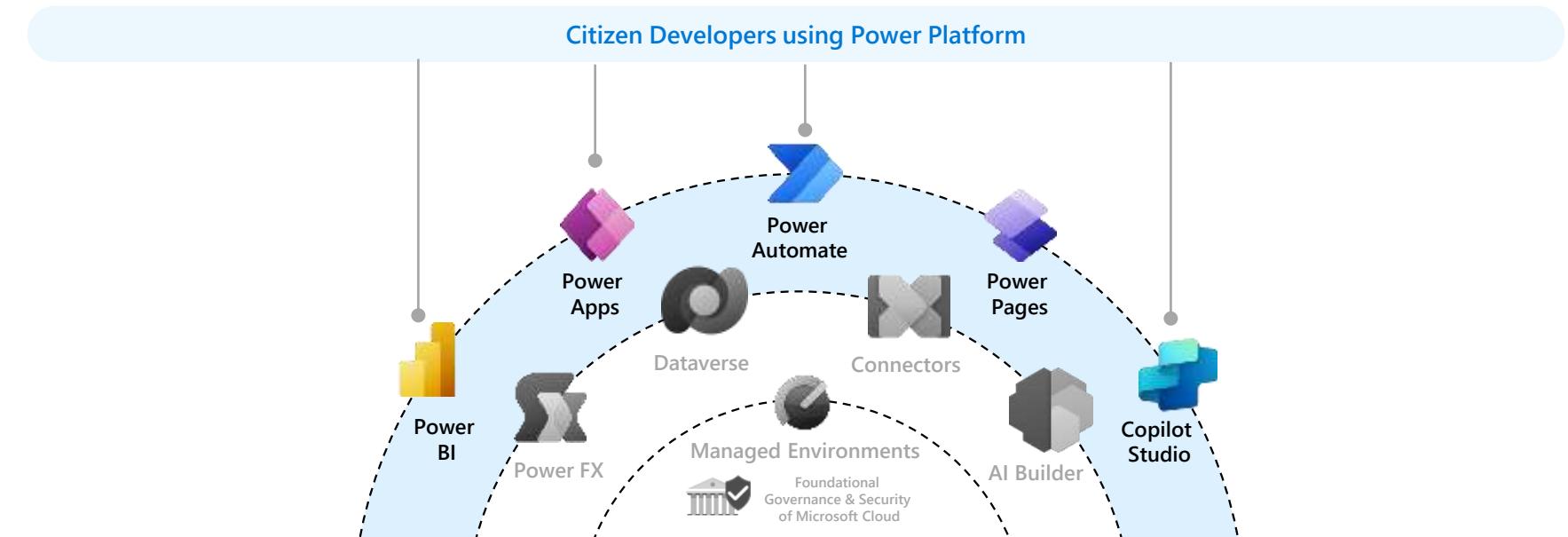
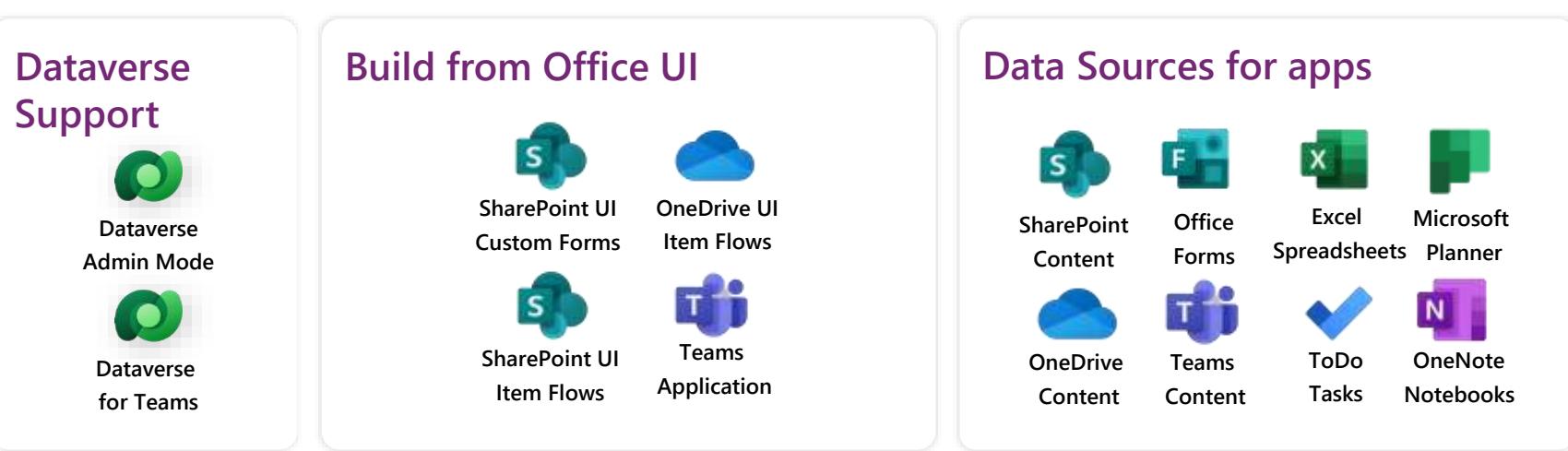
Empower individuals and teams to solve problems within well defined limits.



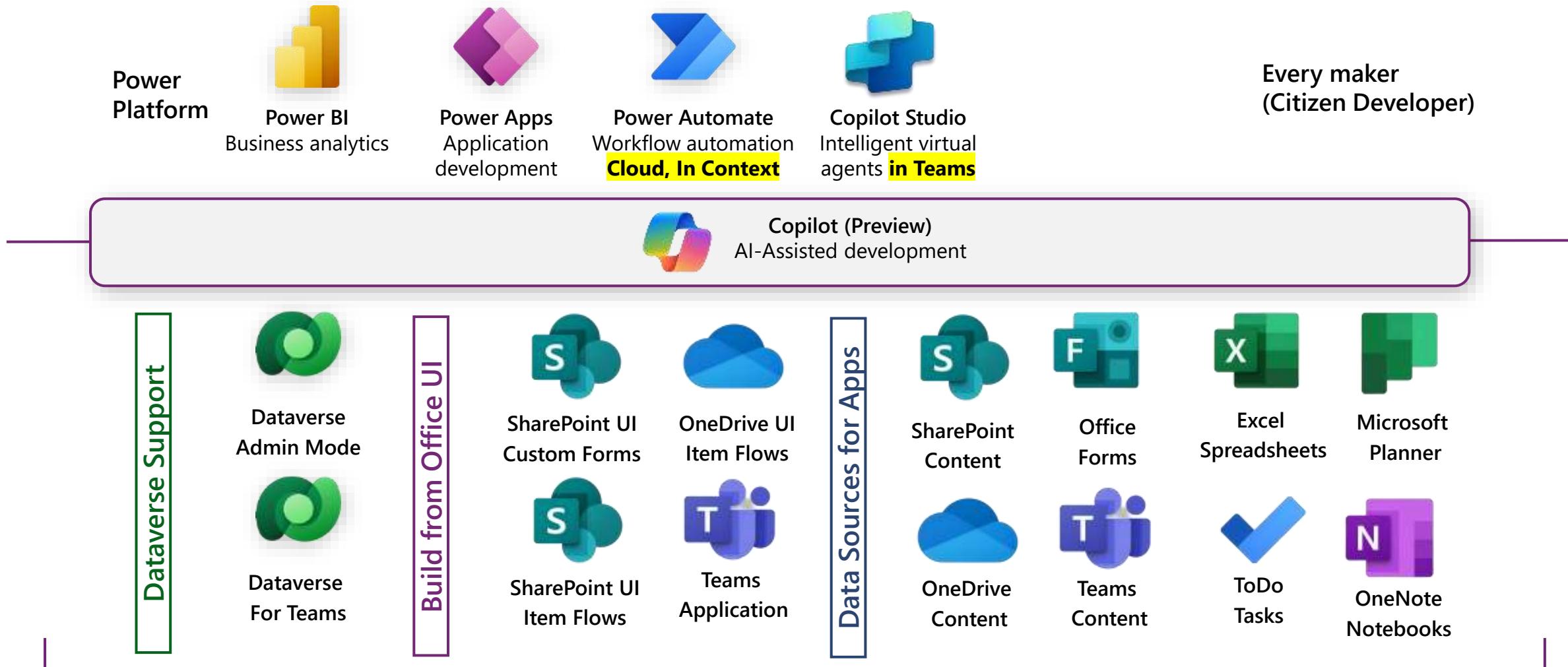
Personal and team
productivity mode



Enterprise
application mode



Productivity Application Model / Deep Dive



Office 365 Makers developing extensions to encourage sharing and collaboration

Enterprise application model

Give pro developers and advanced low-code makers tools for accelerated enterprise app development.



Personal and team productivity mode



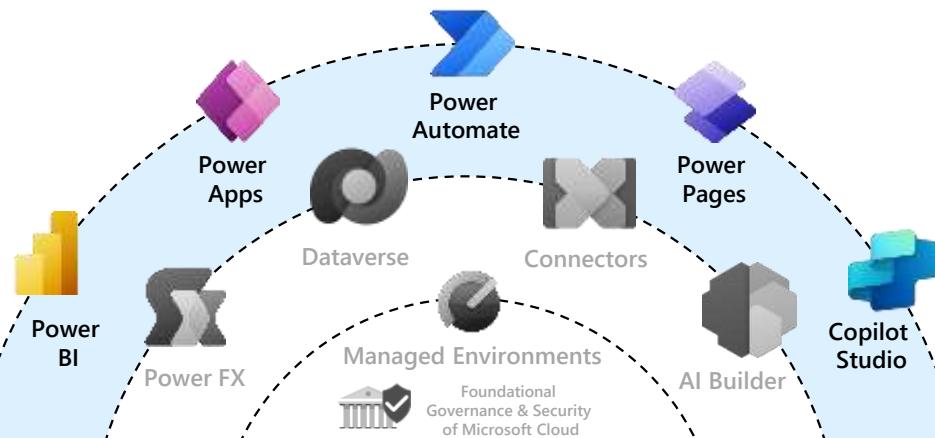
Enterprise application mode

Enterprise Application Model with Power Platform

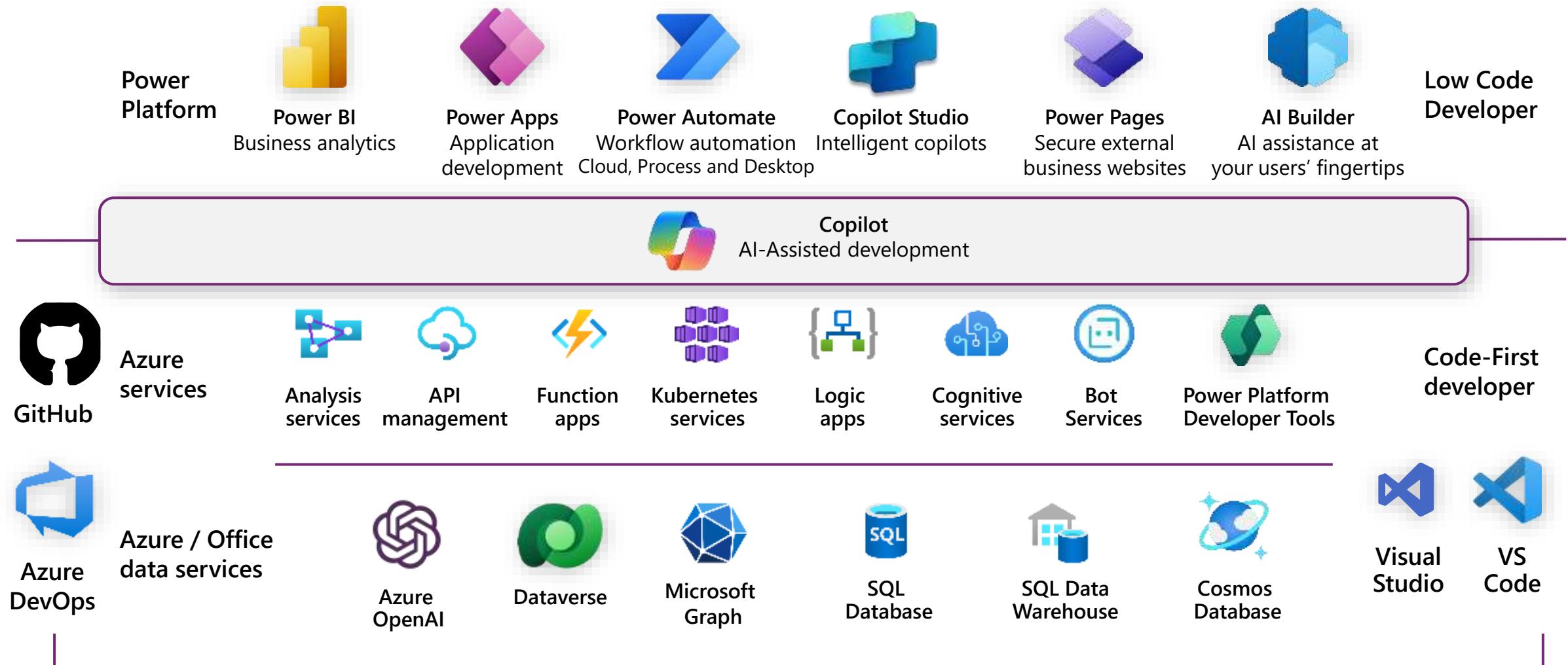
Comparing Power Platform SaaS and Custom Application Stacks

Application stack	Hosted Web Applications	Hosted Web Applications	Hosted Web Applications	Power Platform
User Interface	JavaScript UI Framework (Angular)	JavaScript UI Framework (React)	JavaScript UI Framework (Jquery)	PowerApps, Copilot Studio, Power Pages
Workflow Process	Client Language (JavaScript)	Client Language (C#, WebAssembly)	Client Language (Flutter)	Dataverse, Business Workflows, Power Automate
Business Process rules	Client Language (JavaScript)	Client Language (C#, WebAssembly)	Client Language (Flutter)	Dataverse Business Rules
Business Process	Stored Procedures Logic Apps	Python	Stored Procedures Logic Apps	Dataverse Custom Actions
Data Integrity	Stored Procedures	PL/SQL	Stored Procedures	Dataverse Service
Data	SQL Server	Oracle	SQL Server	Dataverse Tables

Lifecycle Management – Security – Auditing - Governance

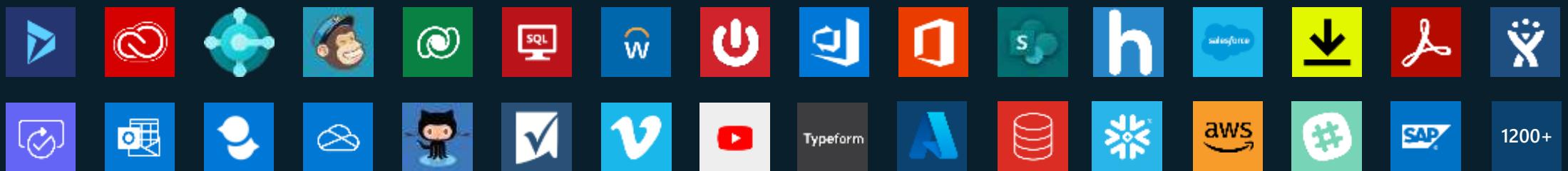


Enterprise Application Mode Deep Dive



Fusion team (all devs and business users/makers)

1,000+ Copilot connectors



Build one today <https://aka.ms/copilotconnectors>

Power Apps

Enterprise development features



Build Custom Components with the Power Apps Component Framework

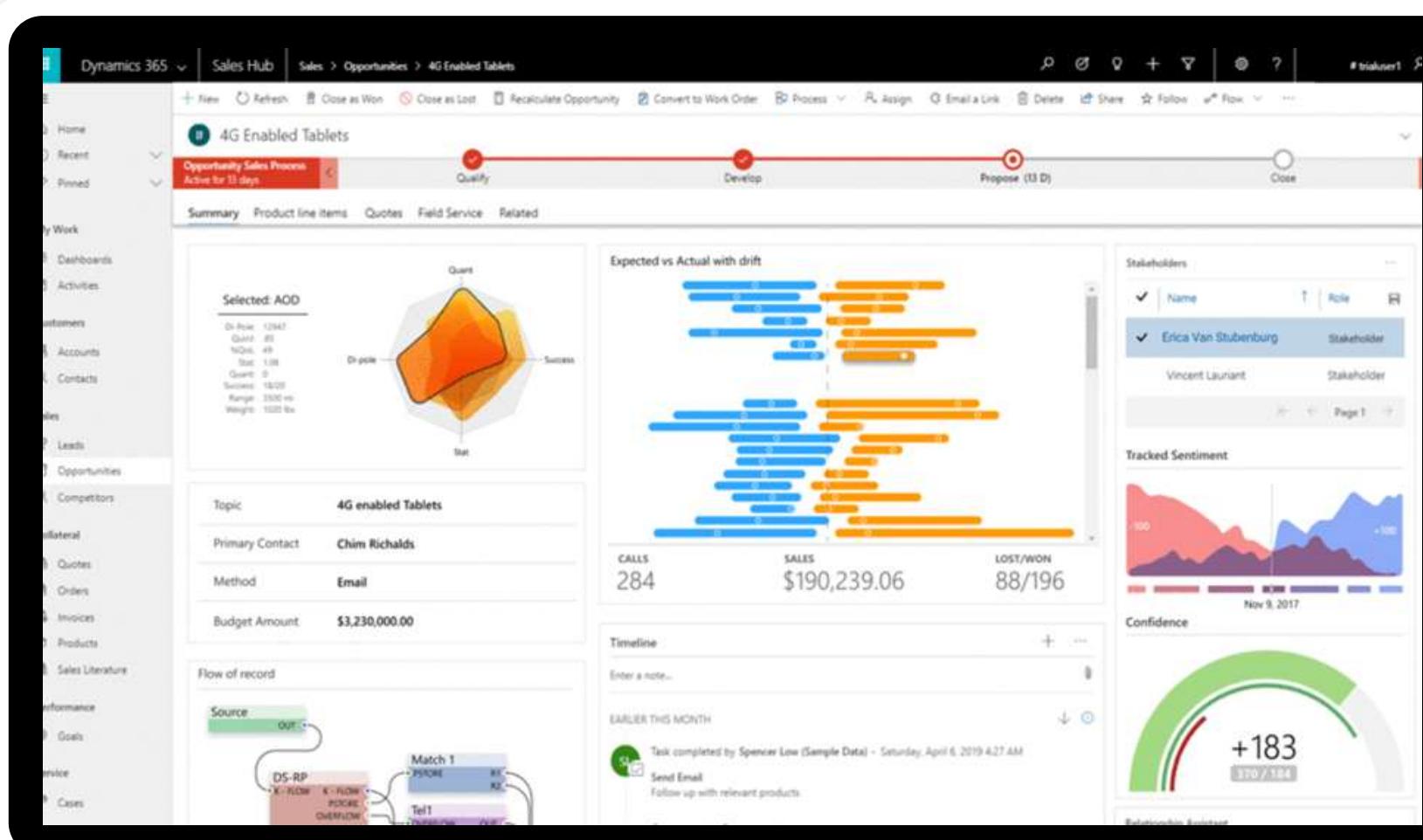
Developers can build compelling visual components for Power Apps

Custom components are responsive, reusable and support multiple form factors

Reuse your current IP and skills—framework is based on standard web technologies TypeScript/JS, CSS and HTML5

React and fabric support available in preview

[Learn more!](#)



Leverage existing Skills and Code Investments

Use the tools you're familiar with

Extension for visuals in the Power Platform is based on TypeScript

Developers can use Visual Studio or Visual Studio Code

APIs with many helper functions

Use common frameworks like React

Command-line tools for building and testing

The screenshot shows a code editor with three tabs: `app.module.ts`, `tsconfig.json`, and `index.ts`. The `index.ts` tab is active, displaying the following TypeScript code:

```
PCFAngularElementComponent > TS index.ts > JavaScript and TypeScript IntelliSense > {} "index" > PCFAngularElementComponent > updateView
1 import {IInputs, IOOutputs} from "./generated/ManifestTypes";
2 import './../../../PCFAngularElement/dist/PCFAngularElement/bundle';
3
4 export class PCFAngularElementComponent implements ComponentFramework.StandardControl<IInputs, IOOutputs> {
5     private _container: HTMLDivElement;
6     private _htmlElement: HTMLElement;
7     private _context: ComponentFramework.Context<IInputs>;
8     private _notifyOutputChanged: () => void;
9
10    constructor() {}
11
12    public init(context: ComponentFramework.Context<IInputs> {
13        this._context = context;
14        this._container = container;
15        this._notifyOutputChanged = notifyOutputChanged;
16
17        this._htmlElement = document.createElement("app-pci");
18
19        //Associate controls to container
20        container.appendChild(this._htmlElement);
21    }
22
23
24    public updateView(context: ComponentFramework.Context<IInputs> {
25        // Add code to update control view
26    }
27}
```

To the right of the code editor is a terminal window showing the command-line interface for building visual tools. The terminal displays the following help text:

```
Usage: pvtv [options] [command]

Commands:
  new [name]          : Create a new visual
  info                : Display info about the current visual
  start               : Starts the current visual
  usage               : Prints the usage information. Lets a pvtv file
  validate [path]      : Validates manifest file for correctness
  update [version]    : Updates the api definitions manifest in the current visual. Changes the version if specified
  help [cmd]           : Display help for [cmd]

Options:
  -h, --help            : output usage information
  -v, --version         : print the version number
  --create-cert         : Create new localhost certificate
  --install-cert        : Install localhost certificate
```

Host Custom Logic in Azure

Azure provides an extensibility surface for hosting many different types of logic

APIs for connecting to modern or legacy systems

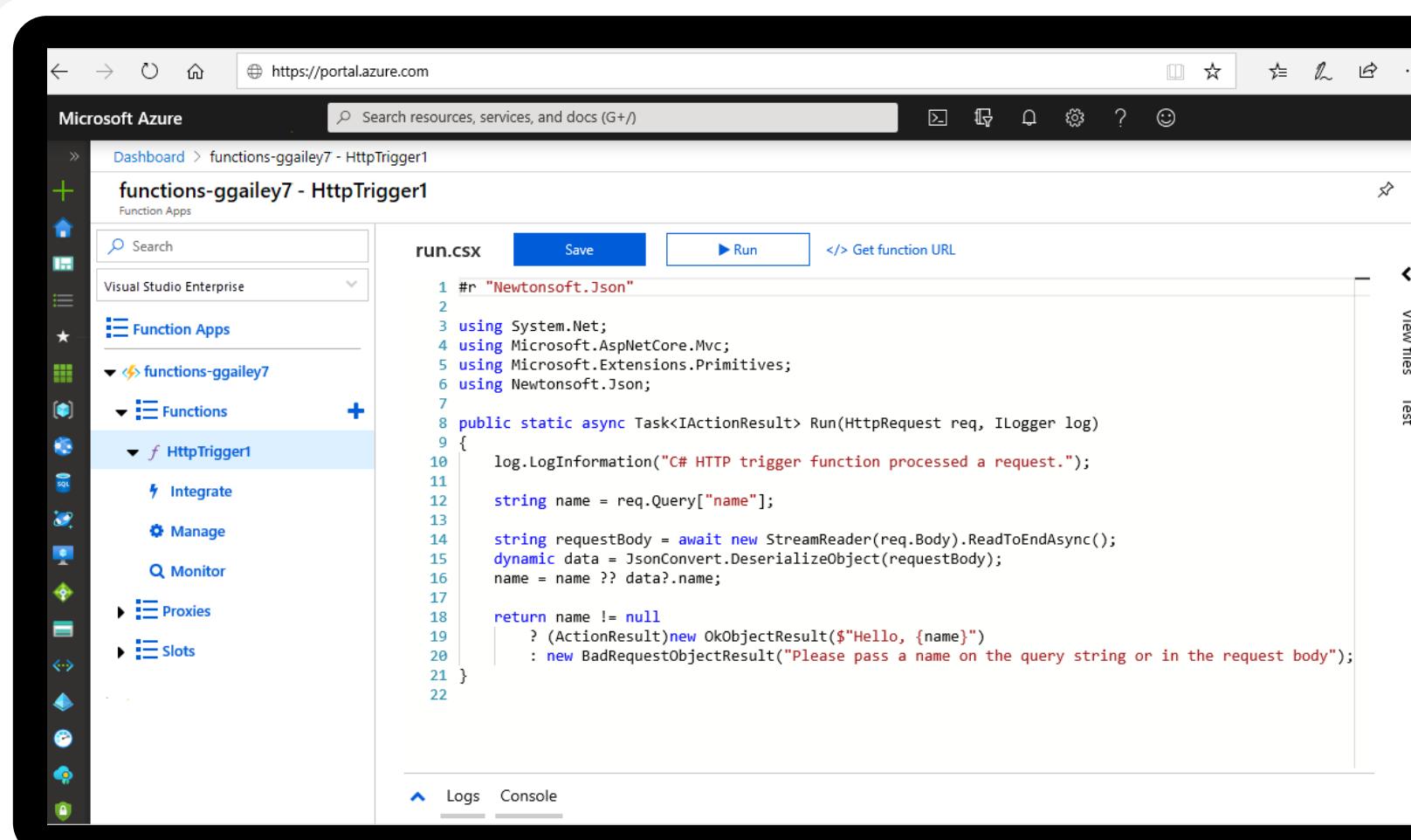
APIs and Functions for hosting and running custom logic

Data storage and compute

Environment for data scientists to build, deploy, and share advanced analytics solutions

Bot Framework Composer for deep integration with Azure services like LUIS and QnA maker

Build apps as a guest in another tenant for increased collaboration across subsidiaries and partners with Azure B2B Maker



The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation includes 'Dashboard', 'Function Apps' (selected), 'Visual Studio Enterprise', 'Search', 'Function Apps' (under 'functions-ggailey7'), 'Functions' (selected), 'HttpTrigger1' (selected), and 'Integrate', 'Manage', 'Monitor', 'Proxies', 'Slots'. The main content area displays the 'run.csx' code for the HttpTrigger1 function:

```
1 #r "Newtonsoft.Json"
2
3 using System.Net;
4 using Microsoft.AspNetCore.Mvc;
5 using Microsoft.Extensions.Primitives;
6 using Newtonsoft.Json;
7
8 public static async Task<IActionResult> Run(HttpContext req, ILogger log)
9 {
10    log.LogInformation("C# HTTP trigger function processed a request.");
11
12    string name = req.Query["name"];
13
14    string requestBody = await new StreamReader(req.Body).ReadToEndAsync();
15    dynamic data = JsonConvert.DeserializeObject(requestBody);
16    name = name ?? data?.name;
17
18    return name != null
19        ? (ActionResult)new OkObjectResult($"Hello, {name}")
20        : new BadRequestObjectResult("Please pass a name on the query string or in the request body");
21}
22
```

Below the code editor are tabs for 'Logs' and 'Console'.

Power Apps + Azure API Management

Empower developers with no-cliff extensibility from Teams and Power Platform to Azure

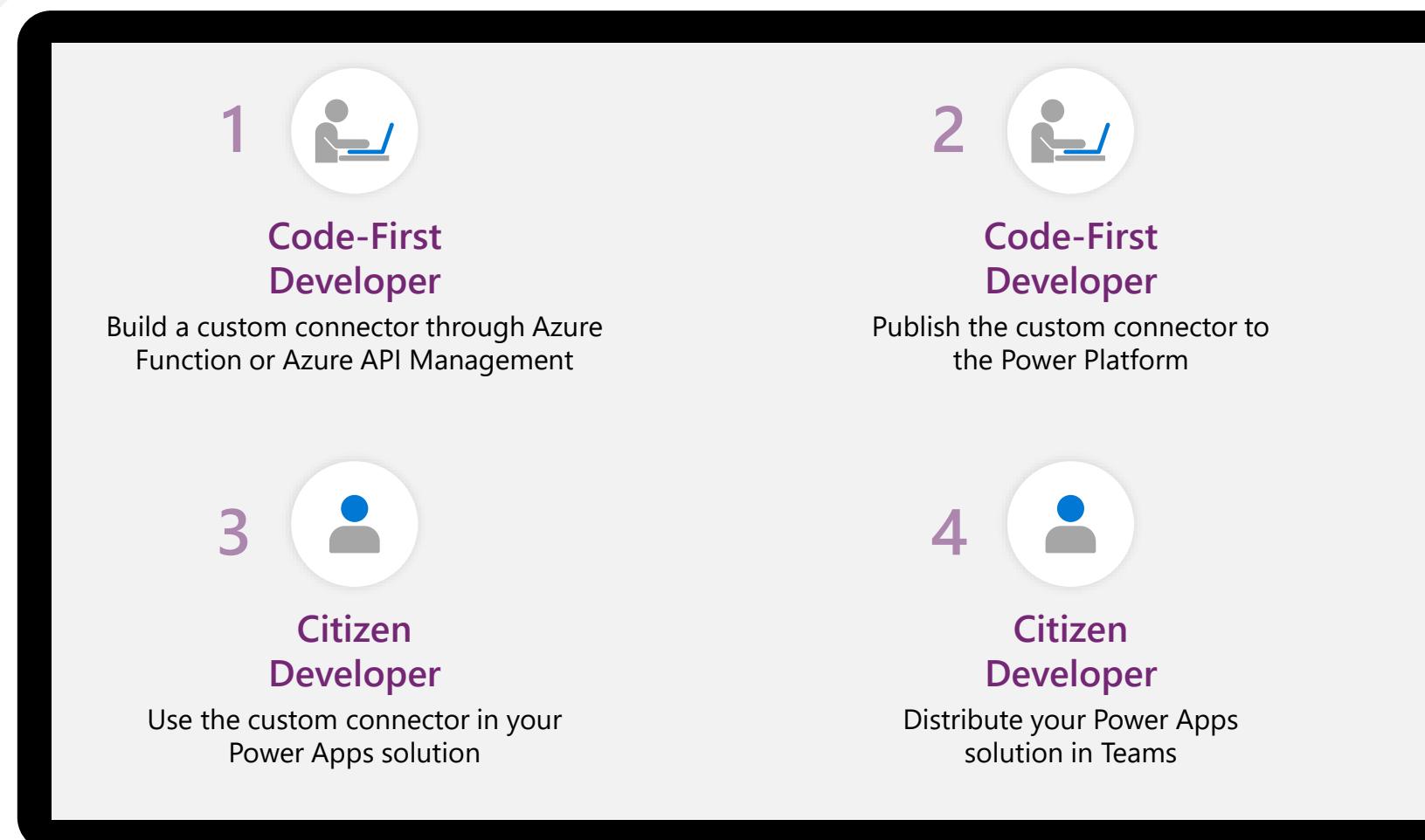
Extend and distribute your Azure APIs as Power Platform connectors

Create custom connectors to unlock access to any Microsoft cloud hosted data source

Seamlessly push custom connectors to dedicated Power Platform environments for easy discovery in Power Apps

Leverage Azure Functions and Azure API Management to enable citizen developers to distribute Power Apps in Teams at no additional licensing cost

Automatically create a Power App from a REST API



Copilot to create Power Fx and rich data models

Generate Power Fx from natural language in a similar fashion to Github Copilot (Public preview)

Explains Power Fx formulas in formula bar (GA)

Build rich data models with data visualization (Public preview: June)

The screenshot shows the Microsoft Power BI desktop application interface. At the top, there's a toolbar with various icons and a color palette set to 'RGBA(50, 49, 48, 1)'. Below the toolbar is a navigation bar with 'Format text', 'Remove formatting', and 'Find and replace' options. The main area features a blue header titled 'Softball League Standings'. On the left, there's a search bar and a list of teams with their win percentages: 'The Victorious Violets' (0.830), 'The Fearless Falcons' (0.750), 'The Blazing Blueberries' (0.670), 'The Courageous Cheetahs' (0.580), and 'The Gracious Gazelles' (0.500). On the right, there's a detailed view of 'The Victorious Violets' team statistics:

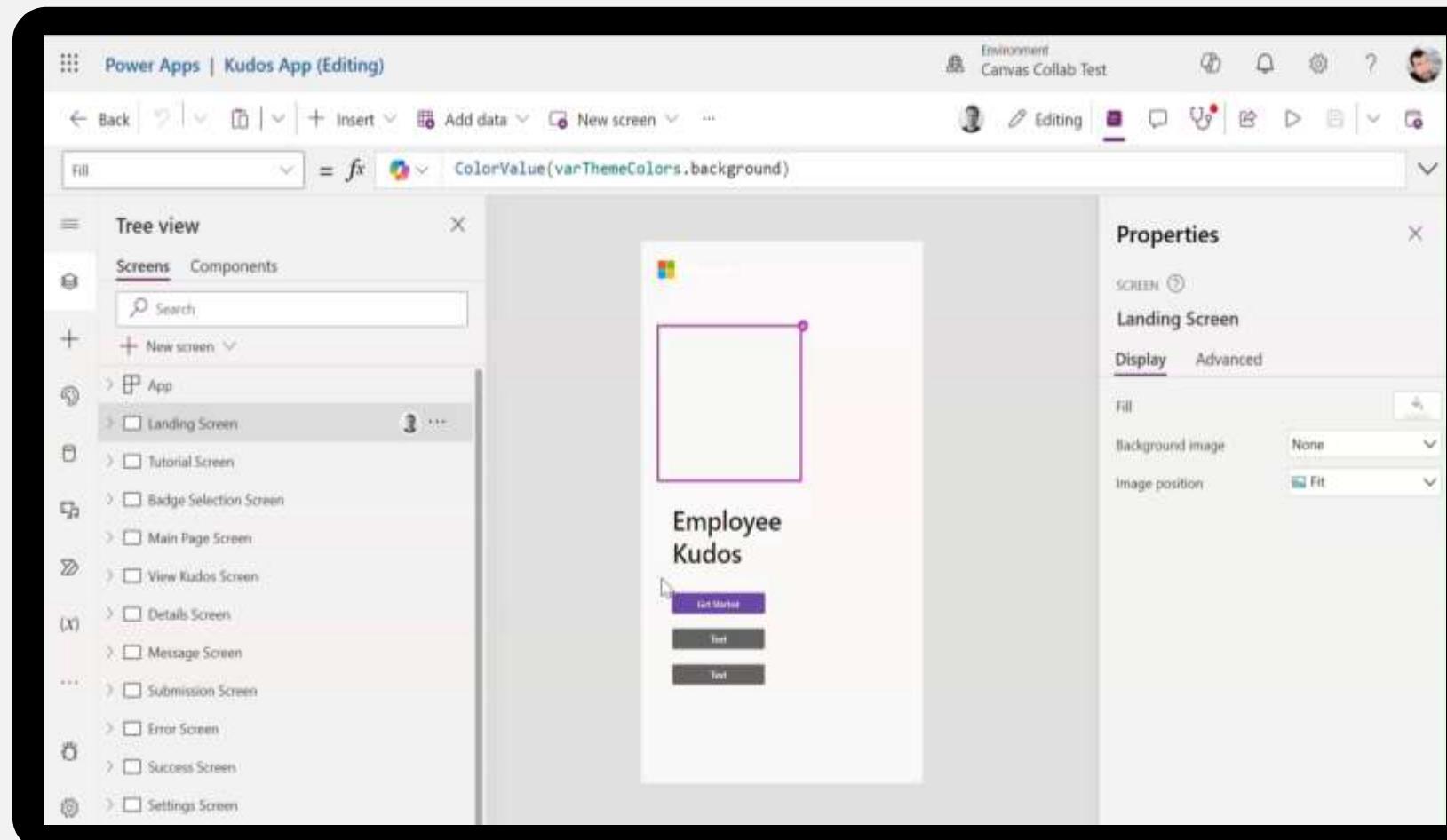
Team Name	Wins
The Victorious Violets	10
Losses	Ties
2	1
Runs Scored	Runs Allowed
100	50
Team Captain Name	Win Percentage
John	0.83

Coauthoring in Canvas Apps

Edit apps together in real-time

Edit apps with up to **10 coauthors simultaneously**

Public Preview



Native Git integration

- **Natively sync** anything built in Power Platform **to source control**
- **Trigger ADO pipelines** directly from the Power Apps portal
- **Work safely** with reviews and appropriate processes to mitigate risk

The screenshot shows the Microsoft Power Apps portal interface. On the left, there's a sidebar with navigation links: 'Back to solutions', 'Integration', 'Overview', 'Objects' (which is currently selected), 'History', 'Pipelines', and 'Source Control'. The main area has a search bar at the top and a table titled 'GitIntegration > All'. The table lists four items:

Display name ↑	Name ↓	Type	Managed	Customized	Last Modif..	Owner	Status
CanvasCode	1d8ff_canvascode_b72ba	Canvas App	No	Yes	9 minutes ago	AuroraBAPEmbe5c2	On
Echo flow	Echo flow	Cloud Flow	No	Yes	11 minutes ago	AuroraBAPEmbe5c2	On
Model Driven App	1d8ff_ModelDrivenApp	Site Map	No	Yes	4 minutes ago	-	On
Model Driven App	1d8ff_ModelDrivenApp	Model-Driven App	No	Yes	4 minutes ago	-	On

Public Preview: July

Copilot hub

Get started with Copilot using FAQs, tech docs, and what's new

Monitor **usage** of Copilots across Power Platform

Govern Copilot with centralized controls and RAI

Private Preview

The screenshot displays the Microsoft Copilot hub interface, which is a private preview. The left sidebar includes links for Home, Environment, Environment groups, Advisor, Analytics, Billing, Settings, Copilot (preview), Resources, Help + support, Data integration, Data (preview), Policies, and Admin controls. The main content area is titled "Copilot (preview)" and is divided into several sections:

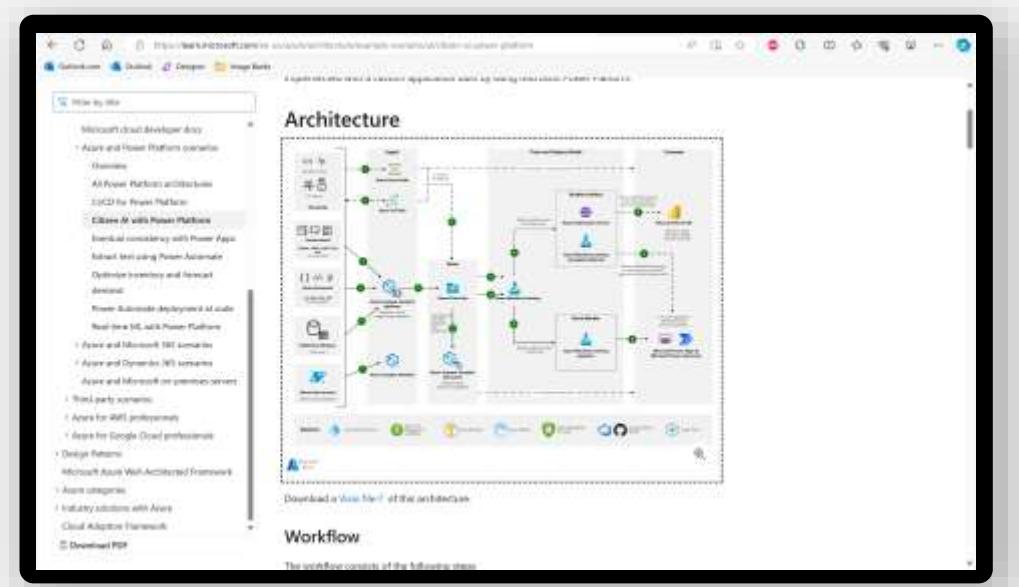
- Readiness:** Features a "Learn how Copilot works" section with a video thumbnail and a "Prepare for Copilot" sidebar containing links to Power Apps AI Copilot overview, Power Automate AI Copilot overview, Power Flows security & privacy FAQ, Microsoft 365 Resources, and Copilot capabilities.
- Usage:** Shows a chart titled "Power Apps Maker Copilot usage in the last 20 days" with a value of 154. The chart shows a steady increase from January to April. Below the chart, there are two cards: "Power App" (154 users) and "Users writing apps with Copilot" (117 users).
- Adoption:** A chart showing "Power Apps Maker Copilot usage in the last 20 days" with a value of 154. The chart shows a steady increase from January to April. Below the chart, there are two cards: "Users creating app with Copilot" (2 users) and "Users creating app with Copilot" (62 users).
- Governance:** Three sections:
 - Power Apps Settings:** Shows "Power DA Authors that do not access your data are off by default" with a green bar indicating "On in 100% of environments". It lists "Preview" items: MotorApp Copilot (On in 100% of environments), App Copilot (On in 10% of environments), Generally available (On in 100% of environments), App descriptions (On in 100% of environments), and Motor Copilot (On in 100% of environments).
 - Power Automate Settings:** Shows "Power DA Authors that do not access your data are off by default" with a green bar indicating "On in 100% of environments". It lists "Preview" items: Desktop Power Maker (On in 100% of environments), Copilot (On in 100% of environments), Power Flows Migrating Data (On in 100% of environments), Integration (On in 100% of environments), and Generally available (On in 100% of environments). It also lists "Copilot Studio Settings" with "Preview" items: Copilot Studio Authors (On in 100% of environments), Generally available (On in 100% of environments), Copilot Flows (On in 100% of environments), and Copilot Integration (On in 100% of environments).

A purple banner at the bottom left of the hub interface reads "Microsoft Business Applications Launch Event April 10th".

Additional recommended content

Azure and Power Platform scenarios

Solutions and architectures that combines Power Platform and Azure services.



Appendix section

Solutions adopted by Power Platform customers



[Learn more!](#)

Demo

Introduction to Power component framework

After

The screenshot shows the Microsoft Dynamics 365 Power Apps component framework interface. At the top, there's a navigation bar with icons for Home, Data, Model, Studio, and Power BI. Below the navigation is a ribbon menu with tabs like Home, Data, Model, Studio, and Power BI. A search bar is present at the top right. The main area features a timeline with four stages: 'Completed', 'In Progress', 'Planned', and 'Not Started'. Each stage has a corresponding card: 'Completed' (red), 'In Progress' (blue), 'Planned' (green), and 'Not Started' (yellow). Each card contains a summary section with a title, a large circular progress bar, and some numerical data. To the left of the cards is a sidebar with various filters and settings. On the bottom left, there's a Microsoft logo and a 'New' button. The bottom right corner has a 'Logout' link.

Power Automate

Enterprise development features



AI flows

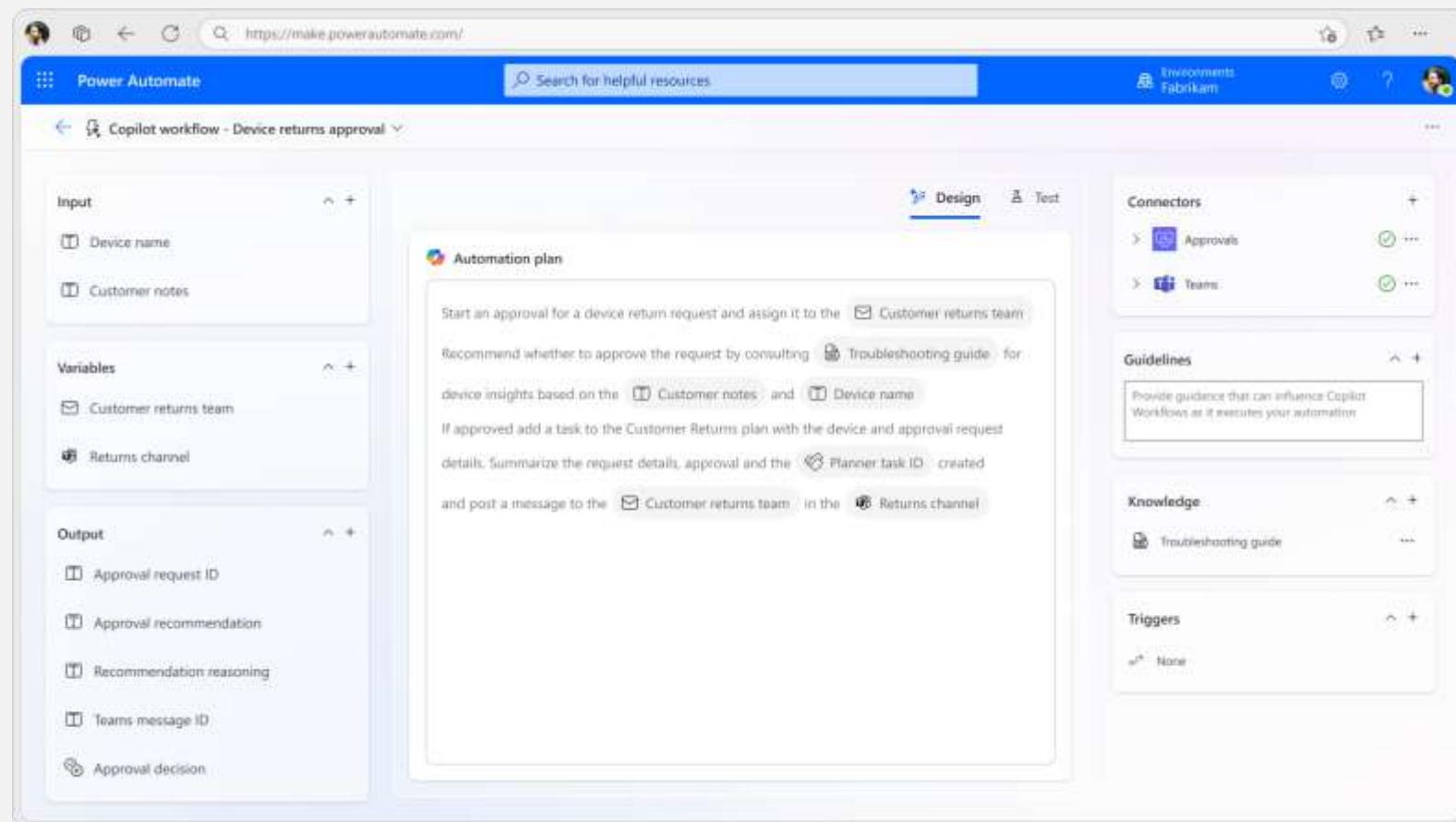
A new approach to automation that is dynamic and **outcome-driven**

User and AI collaboratively design **automation plan**, including parameters and guidelines.

LLM reasoning, orchestration and execution of automation.

Monitor flow success with run history, analytics, and individual flow run details.

intelligent | flexible | dynamic



Limited Private
Preview

AI flows

Automation for the age of AI

Limited Private Preview

Cloud flows

Rules-based
cloud automation

FOR

Modern systems with APIs

AI flows

Outcome based
generative AI powered
automation

FOR

Simplifying complex processes,
esp. with conditions, exceptions
and loops

Inform flow based on
unstructured data

Desktop flows

Rules based
UI automation

FOR

Legacy systems without APIs

UI automation

Automation center and cloud flow troubleshooting

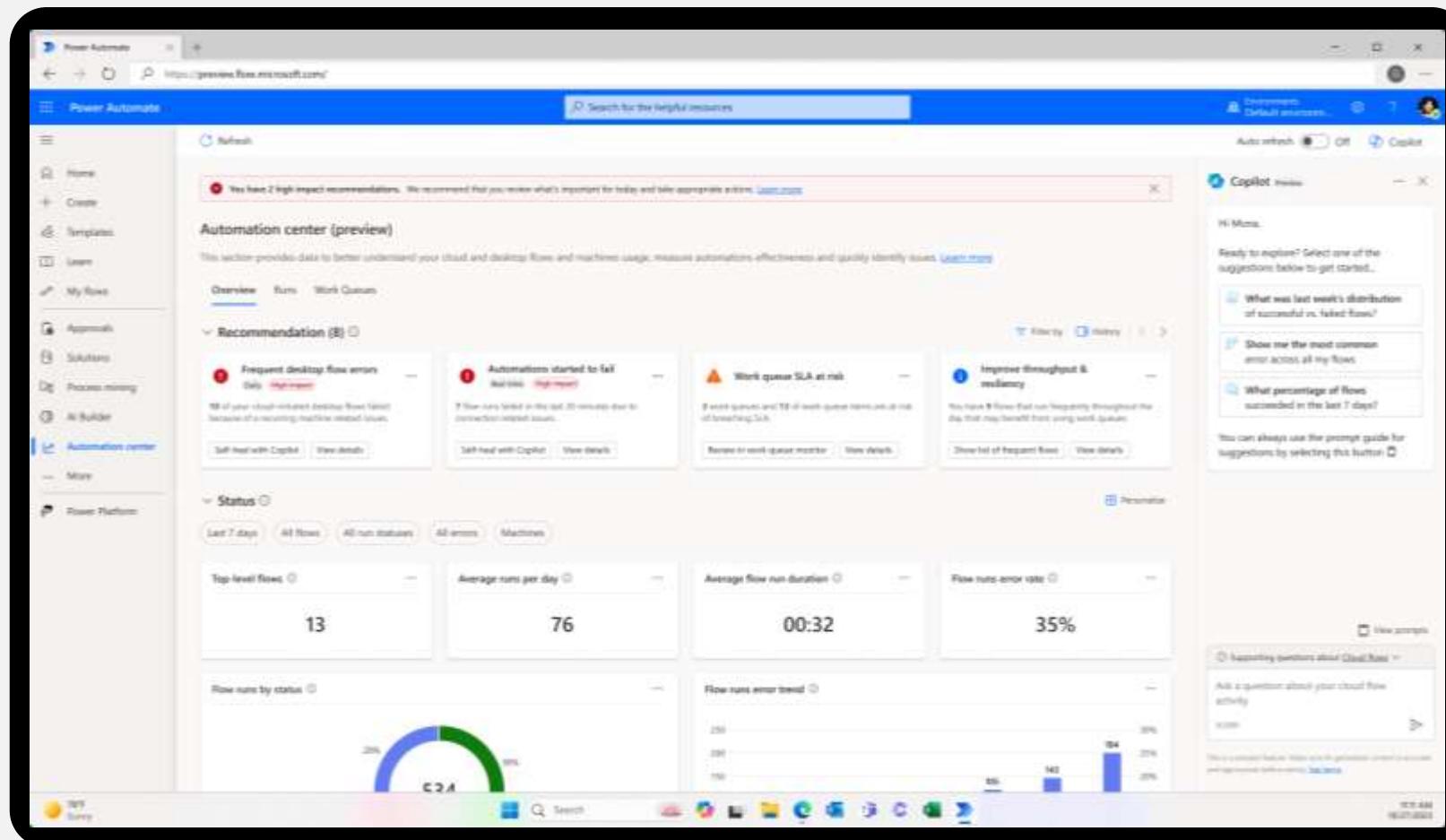
Dedicated [work queue](#) monitoring for SLA attainment, average processing time, and work queue throughput

[Use Copilot to query](#) desktop flow telemetry, throughput, and documentation

[Recommendations](#) for actionable insights and best practices

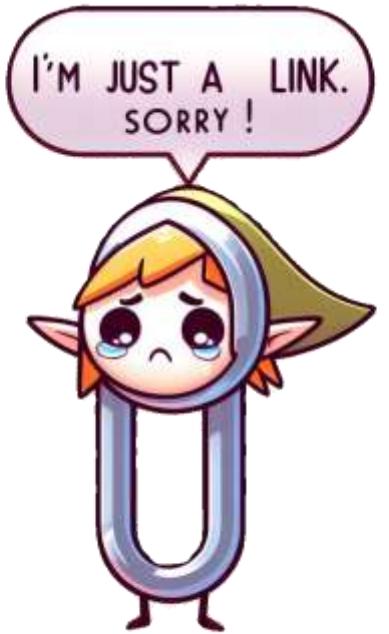
[Identify runtime flow failures](#) and proactively suggest guidance to fix it

Public Preview



Demo

AI Flows



Start me at 29:54
Stop me at 36:29

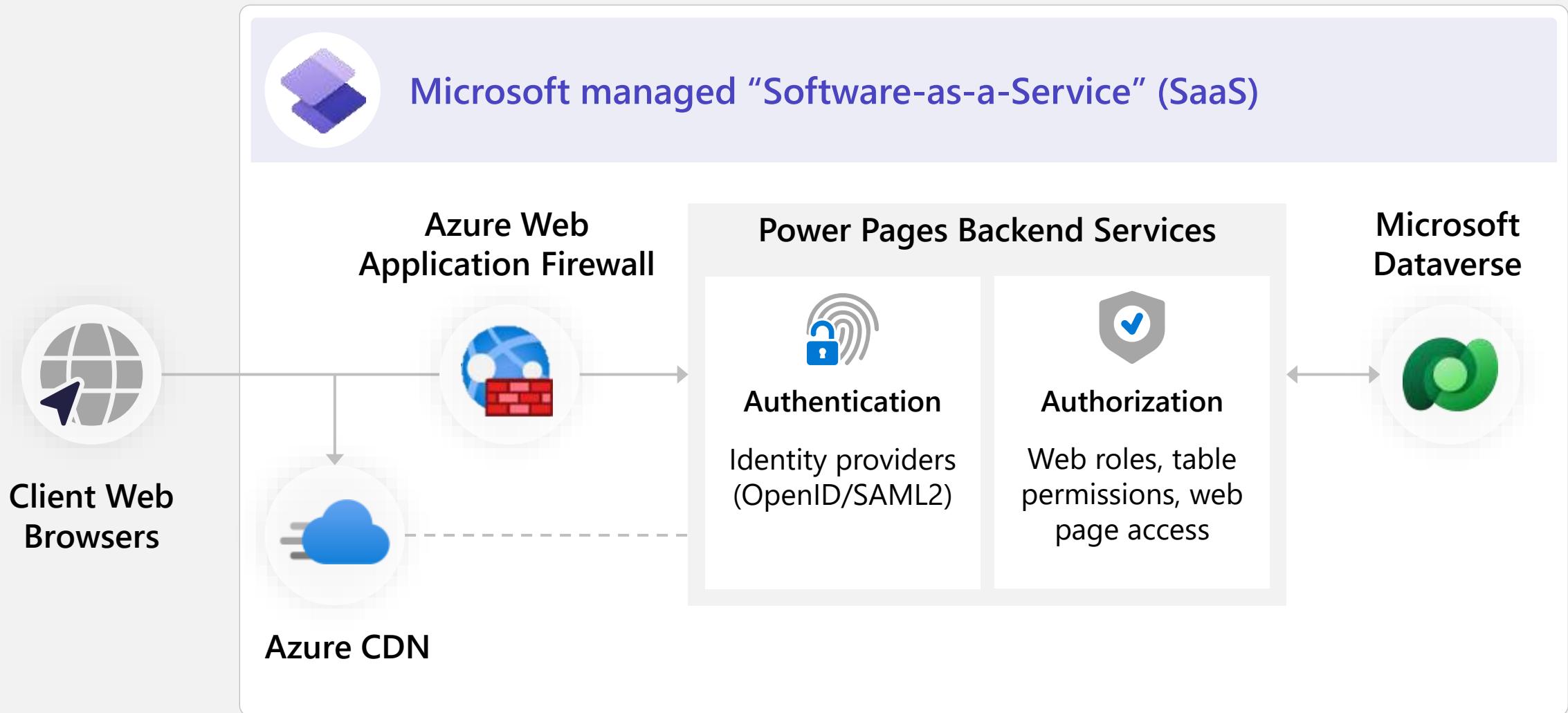
Power Pages

Enterprise development features



Internal security architecture

A deeper look at what's inside Power Pages



Robust, secure and compliant hosting platform

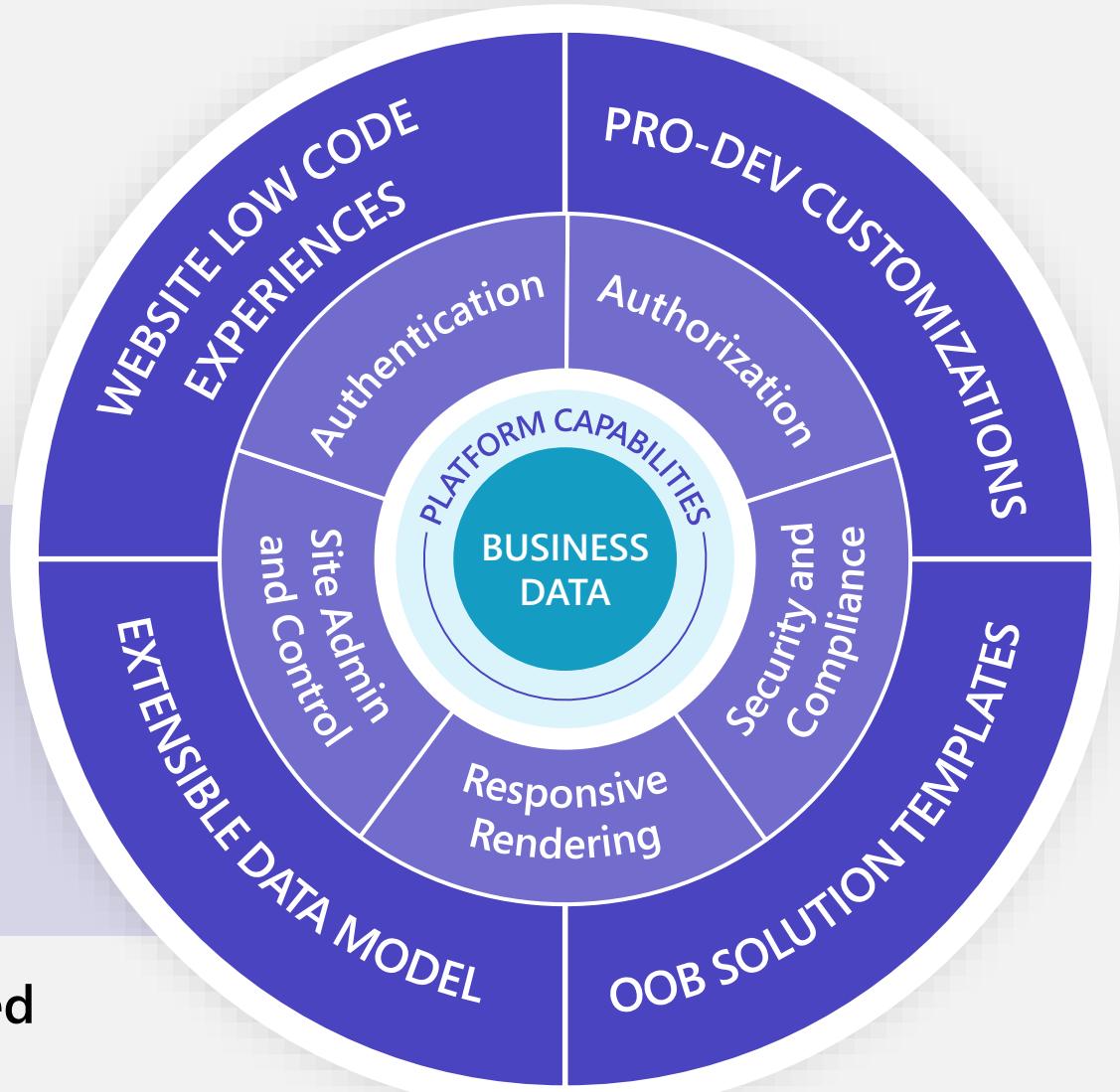
Enterprise-grade website building and hosting platform with elastic scaling, high availability, authentication, authorization and platform security built in.

Click on links below to access Power Pages whitepapers:

[Power Pages Security Whitepaper](#)

[Power Pages Architecture Whitepaper](#)

Power Pages is FedRAMP & FedRAMP High certified



Security and Governance

Reliable, secure, enterprise-grade platform available across geos

Observability

- New inventory, analytics, security, and licensing views
- Audit admin activity in M365 compliance center

Enhanced control

- Data loss prevention setting for controlling anonymous access to Power Pages sites
- DLP setting for governing auth providers

Governance at scale

- [Upcoming] Power Advisor recommendations for website improvements
- [Upcoming] Power Policy to allow admins to configure rules and policies

Security

- Security Checker and Meter for makers
- [Upcoming] Security Workspace for makers
- Security Copilot for makers
- Security testing for makers
- Admin insights based on aggregated site security scan results



AI Assisted Development

Create New Site

Create Site Content (pages,
text, images)

Connecting with Data
(forms, list, tables)

Biz logic and custom UI
(JavaScript, fetch, Api)

Site Styling (theme, colors)

Upskilling and Improving productivity of all Makers (low code/pro dev) at every step in their Power Pages Journey

Demo

Building sites with Copilot



Step 1 of 3: Site details

Check the basic site details

Your site name and URL can be changed later, if needed.

Give your site a name *

Woodgrove Bank

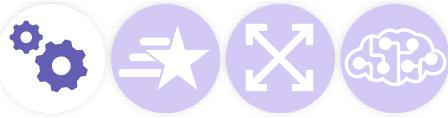
Create a web address *

woodgrovebank-5292

.powerappspublishing.com

woodgrovebank-5292.powerappspublishing.com

Make sure it's generated content is accurate and appropriate before using it. [Learn More](#) [Submit](#)  



**Site Copilot to
redefine end user
experiences**

Conversational Copilot
Experiences

Copilot Powered Search

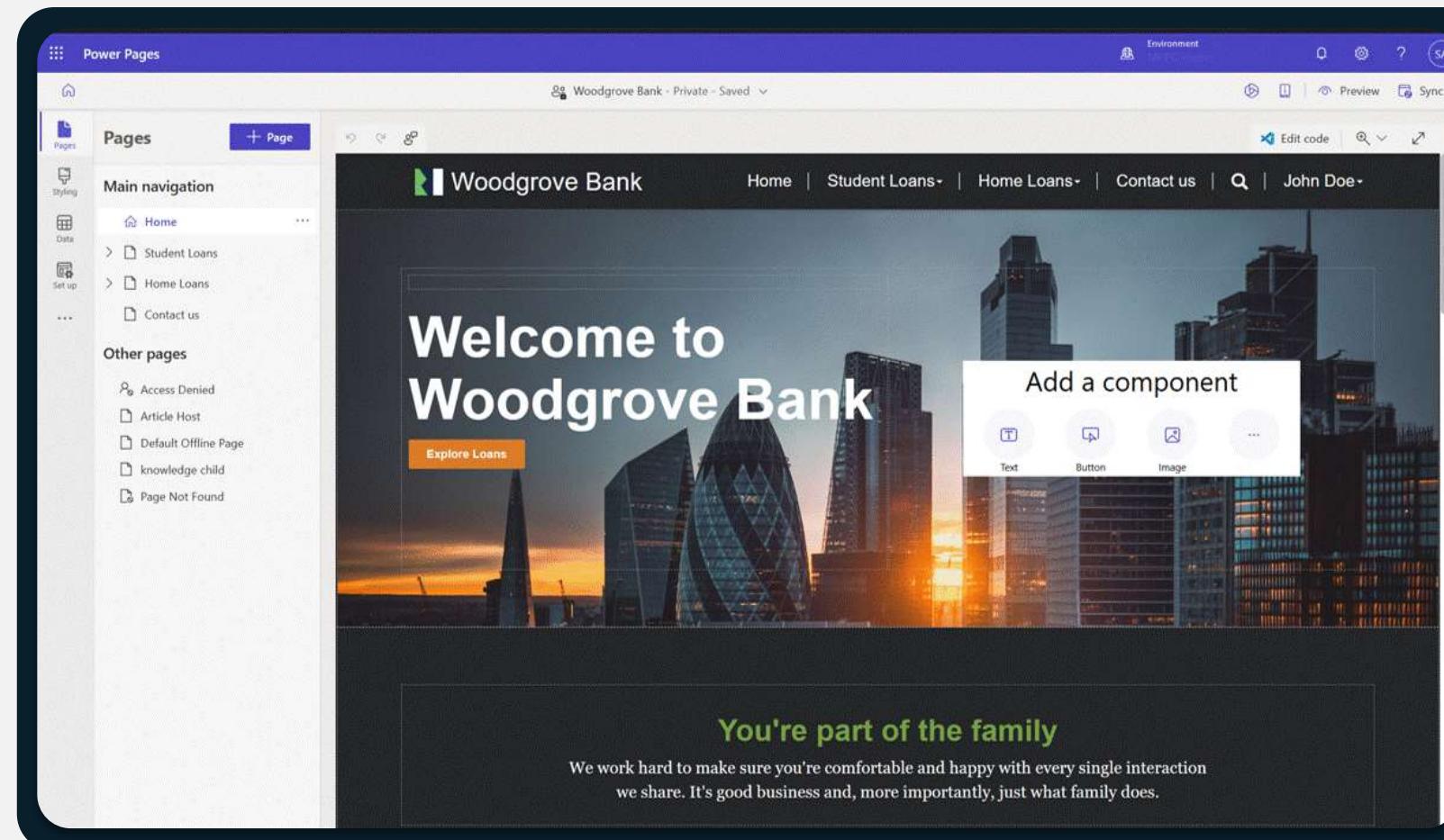
Build Websites which redefines core end user experiences through copilot

Use chatbots on your website with Microsoft Copilot

Microsoft Copilot in Power Pages enables website makers to configure a copilot chatbot out-of-the-box with no additional authoring.

This chatbot understands authenticated user context and can be customized using Copilot Studio.

General Availability

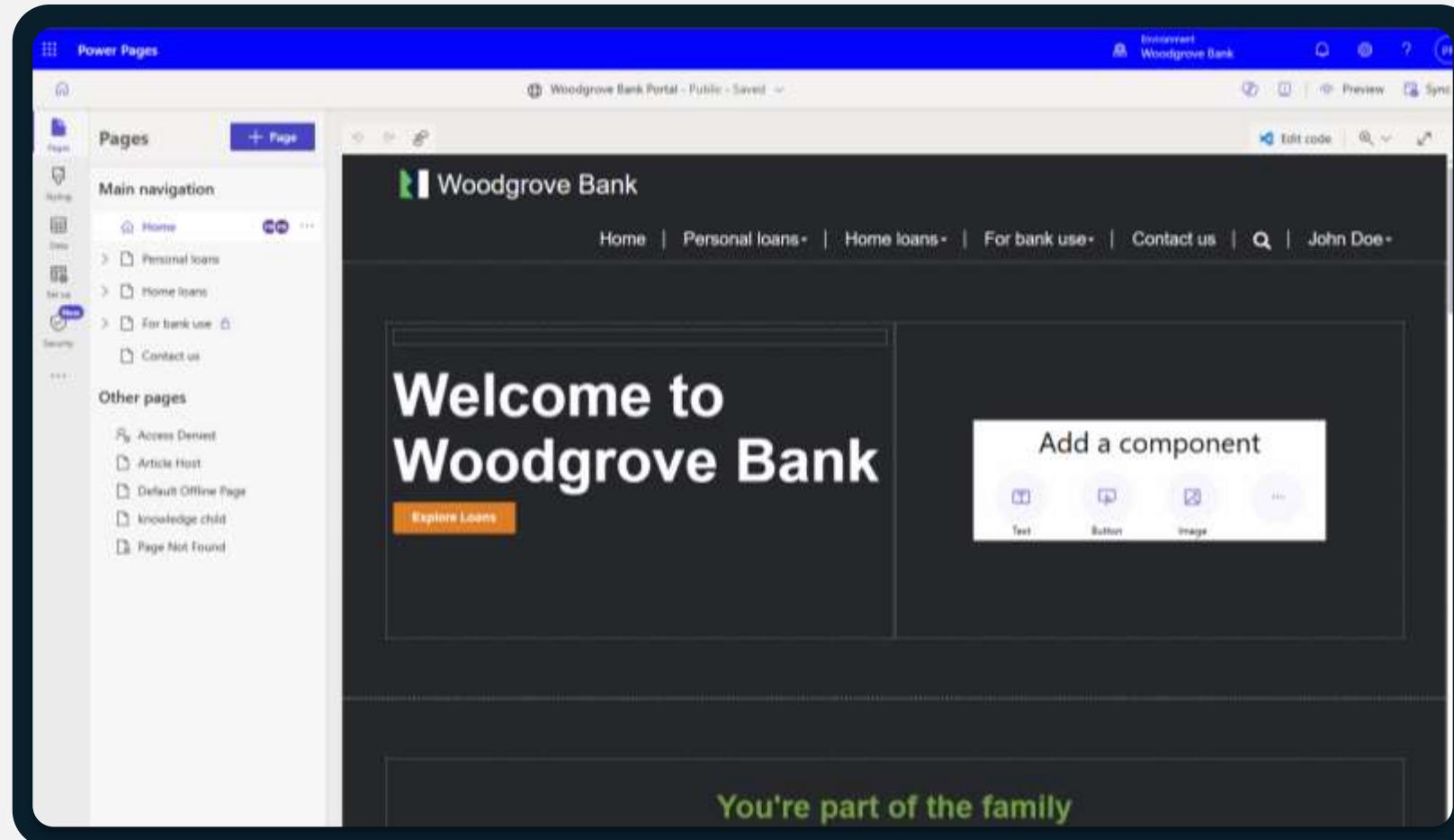


Enhanced search powered by Microsoft Copilot

Microsoft Copilot in Power Pages provides AI-enabled search capabilities including summarization of results, akin to Bing copilot chat experiences.

This improves end user experience by providing information upfront

Public Preview



You're part of the family



Maker Experiences

1

New OOB and custom data components

New Out of the box data components including improved list, card gallery, accordion, breadcrumb etc. Also opening up Design studio to allow adding custom data components like PCF controls, web template based components etc.

2

Power Fx for creating dynamic data components

Power Fx support to create dynamic data components which allows low code makers to build complex user experiences with ease.

3

Extending Core Website capabilities

Enabling missing CMS elements like Content Snippets, Layout web templates as well as providing editability for some of locked OOB pages like login, profile etc.



OOB UX components



PowerApps
Component
Framework

Custom UX Components



Power Fx Integrated in Design Studio



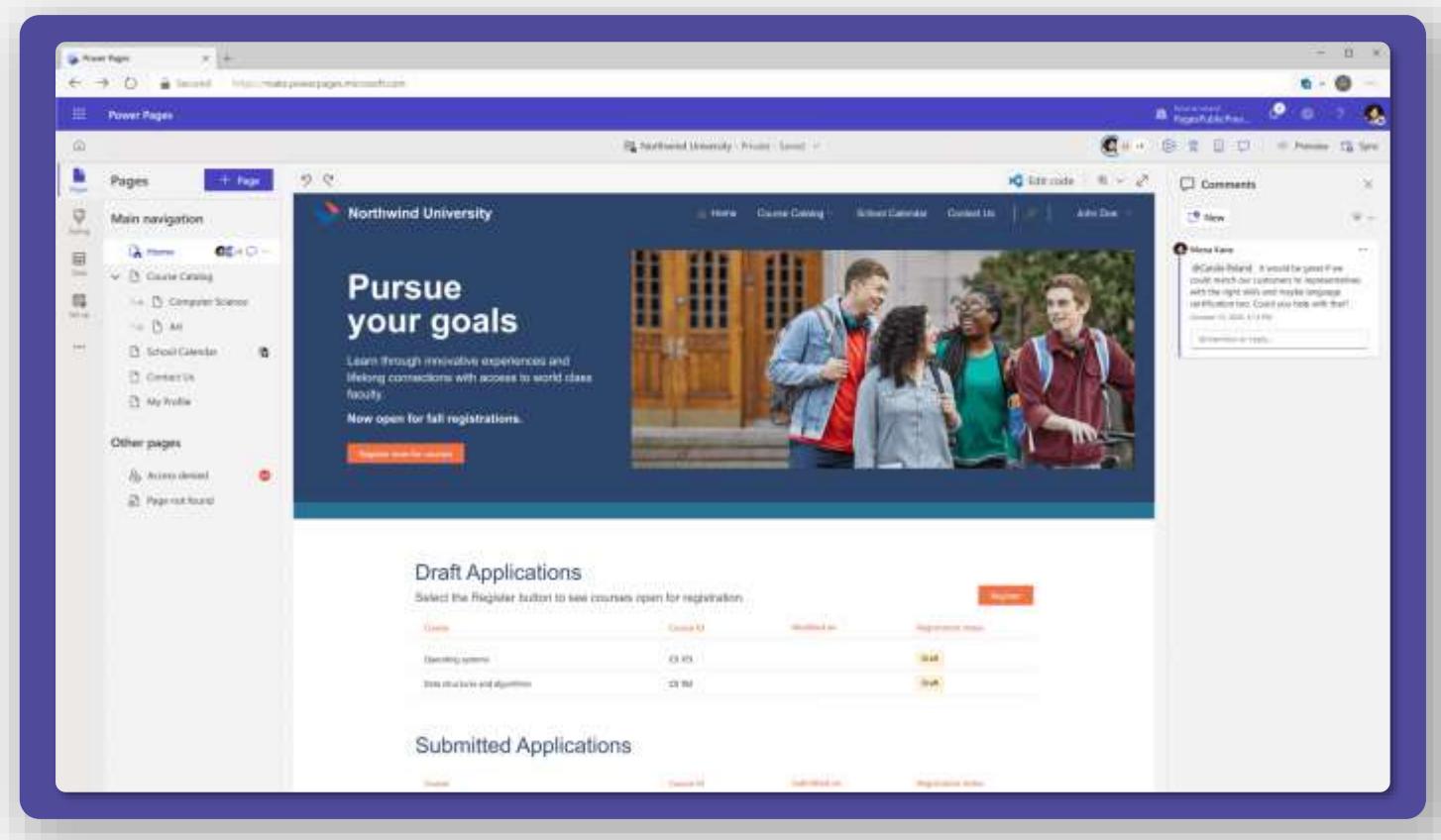
Core Website capabilities in design studio

Fusion team collaboration

Copresence brings awareness of who's on a page and editing.

Commenting enables fusion teams to collaborate in context.

VSCode Web Co-authoring features like Copresence & Conflict detection



Edit site using VSCode for Web for Pro Devs

 Visual Studio Web

 Visual Studio Code

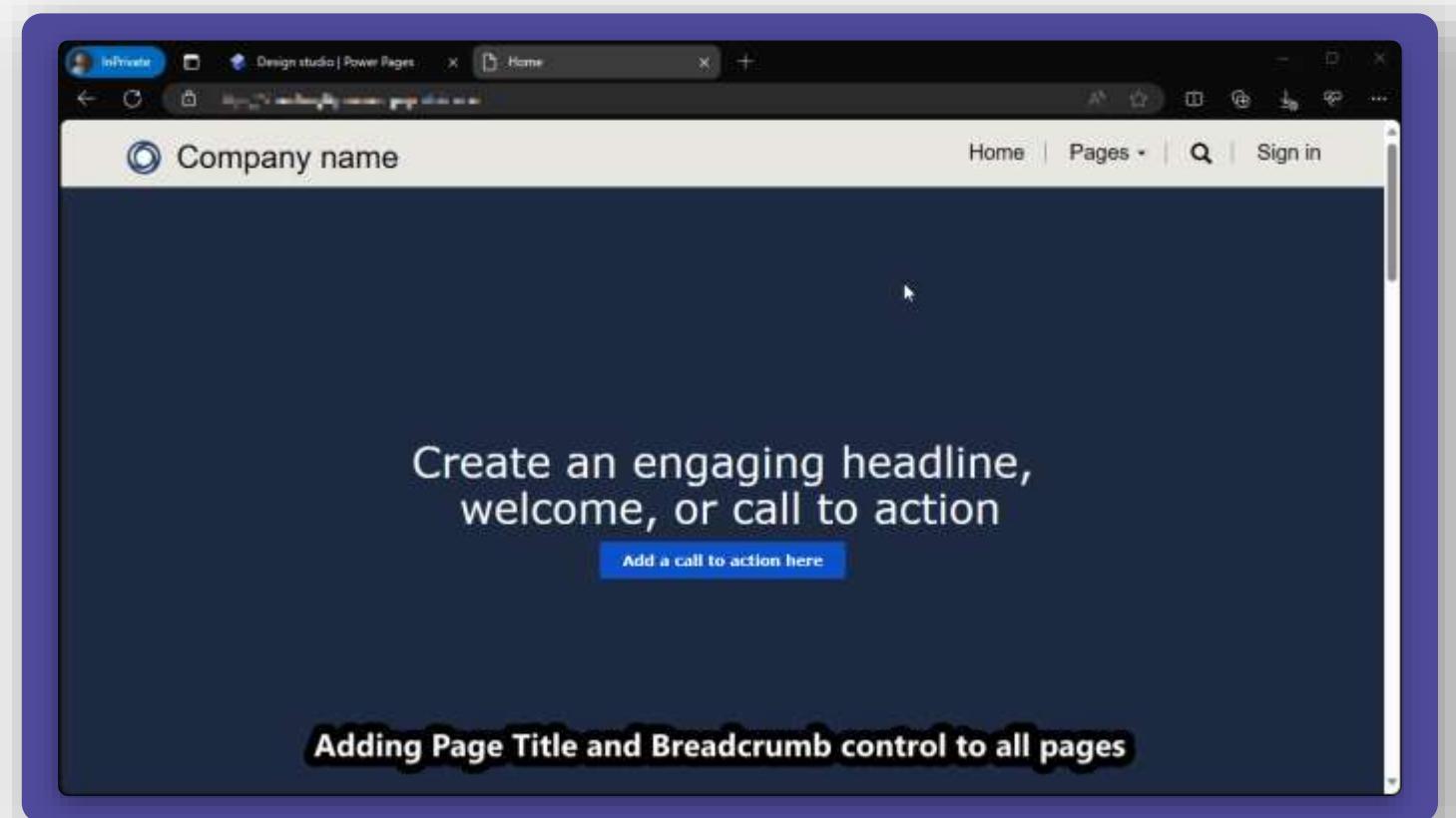
 GitHub

 Azure Dev Ops

Switch between Studio low code experience to [Visual Studio Code for Web](#) an Online code editor for web pro-developer experience to make code changes.

Complete site code editing within Visual Studio Code for the web.

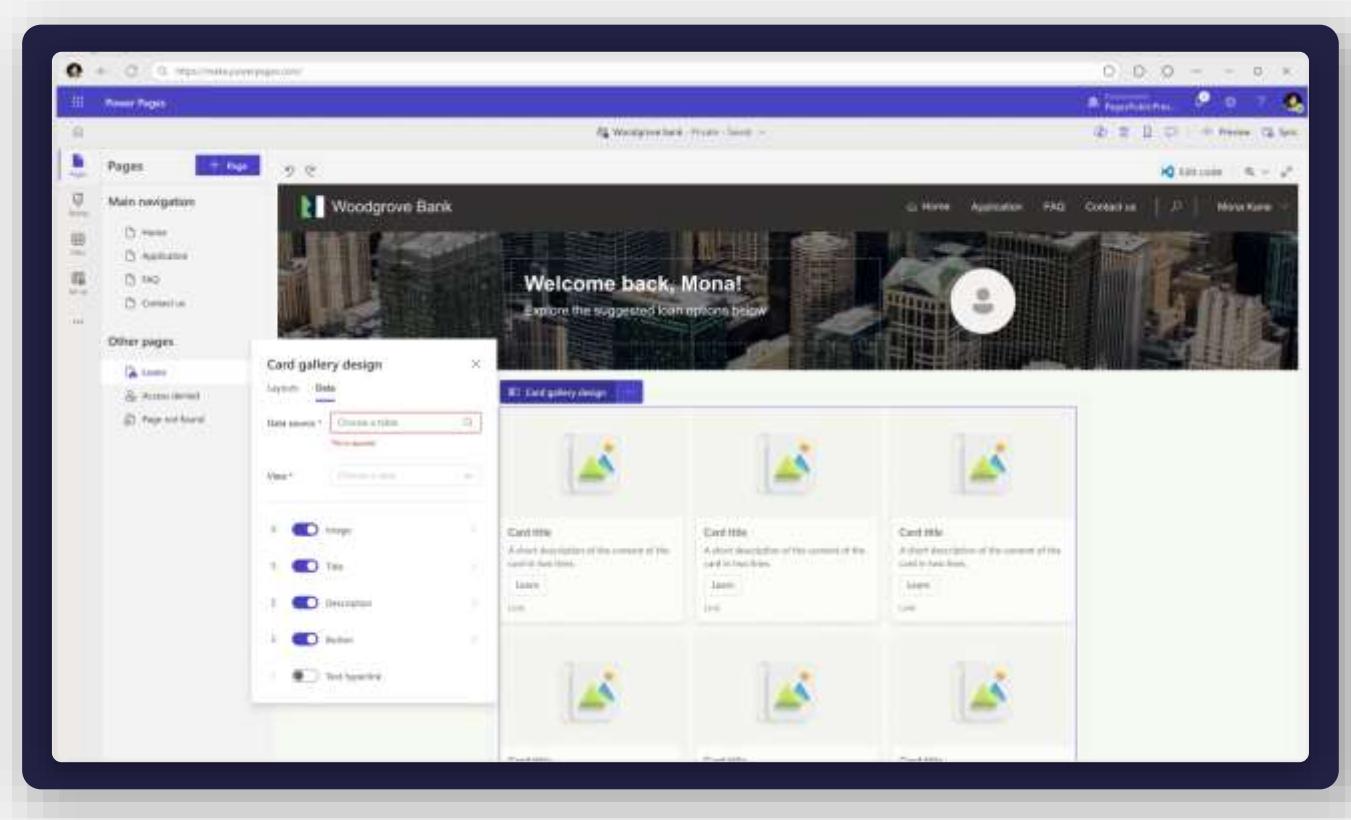
Access source code for complete site and utilize productivity hacks like conflict resolution.



Maker Experiences Expanded Control Library

Enabling Ability to build complex websites with rich data visualizations.

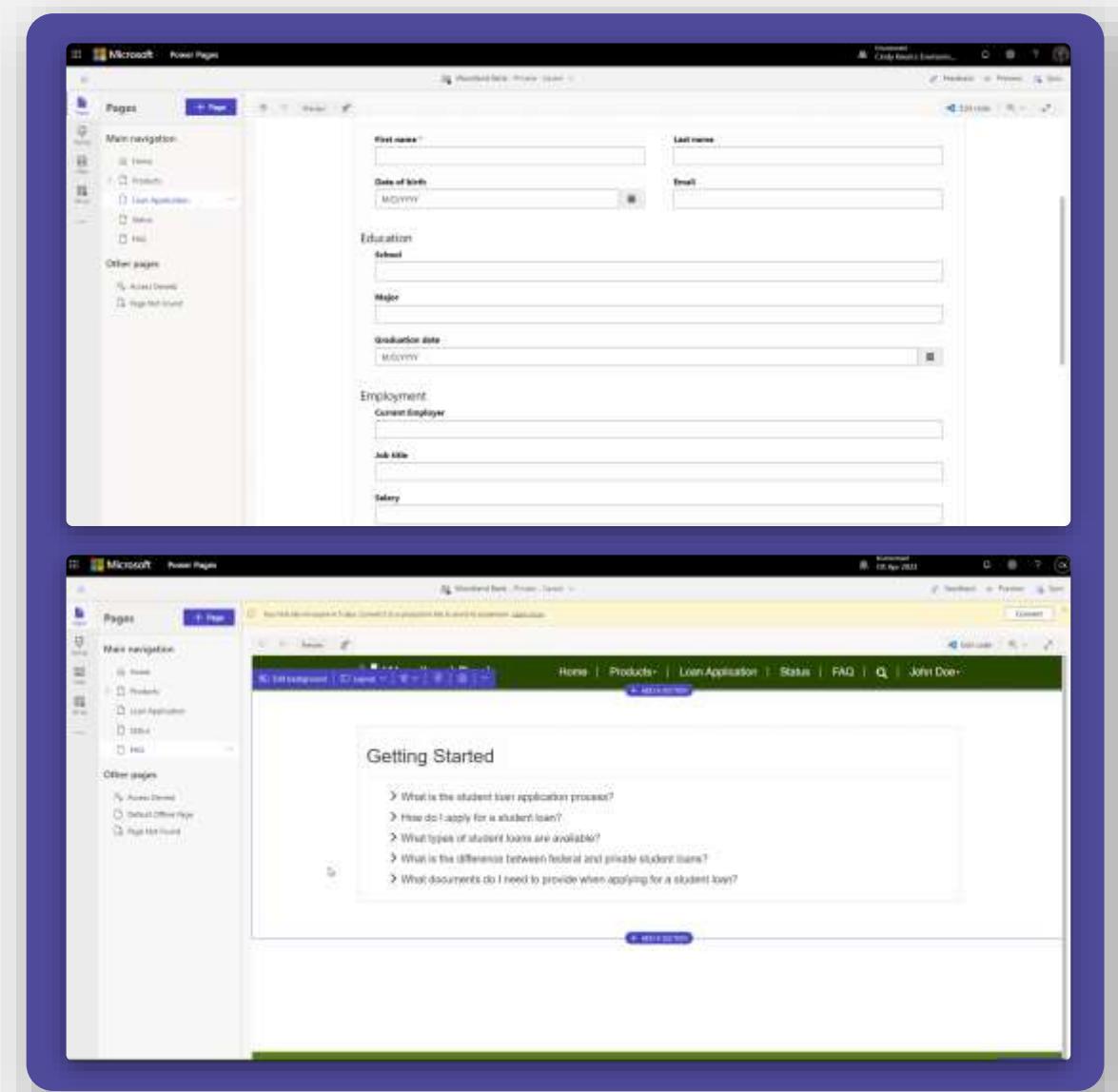
New Data Components like Card Gallery, Accordion, Container, Breadcrumb, etc.



Bring your own Components

Bring your own Code Components (PCF) which expand either form fields or provide page level enhancements.

Build Power Pages specific site components using web templates and use manifests to define configurable parameter.



Demo

Custom controls and virtual tables

- Home
- Registration
- Courses
- About Us
- FAQ

Other pages

- Access Denied
- Page Not Found

After School Kids

SECTION

Design | ...

Hello Portal UserEnter text

+ ADD TO CONTAINER

Choose a component to add to this section

Text Button Image Video Card gallery Form Multistep form List

Connection to business data and integration with 3P services

1

Dataverse is Power Pages' primary data platform

Dataverse powers the data platform for Power Pages, providing a highly scalable and secure data platform for storing relational / non relational data and implementing custom business processes

2

External tabular data sources

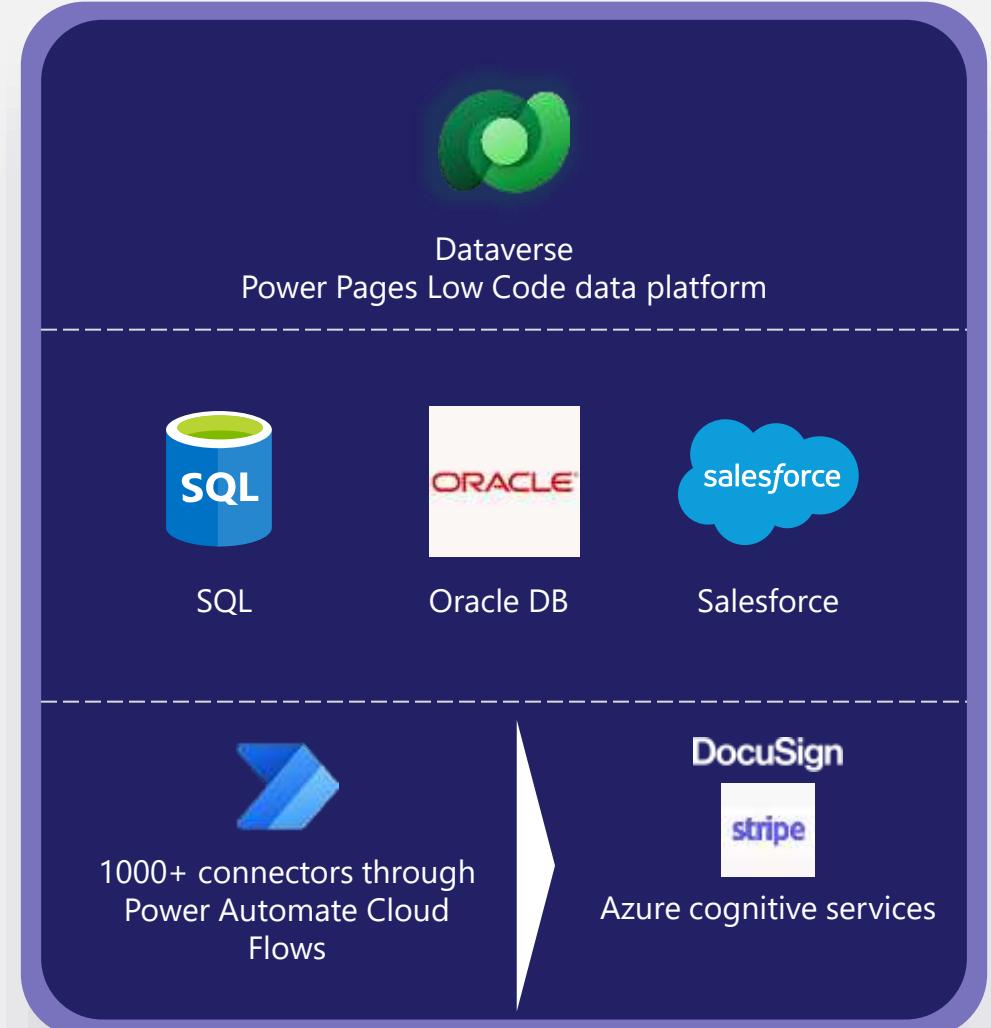
Use External tabular data sources like SQL, Sharepoint, Dynamics FnO secured using Power Pages Role based access control. Also utilize all prebuild Power Pages no code components like forms, list etc. with these data sources.

[New] Now Connect to Salesforce, Oracle, Fabric without any cod

3

3P services and non tabular data sources

Power Pages also enables built-in integration with 1000+ connectors through Power Automate Cloud Flow. Examples of some of these non-tabular data sources include DocuSign, Stripe and Azure cognitive services. {New} SAP Supplier Self Service Template

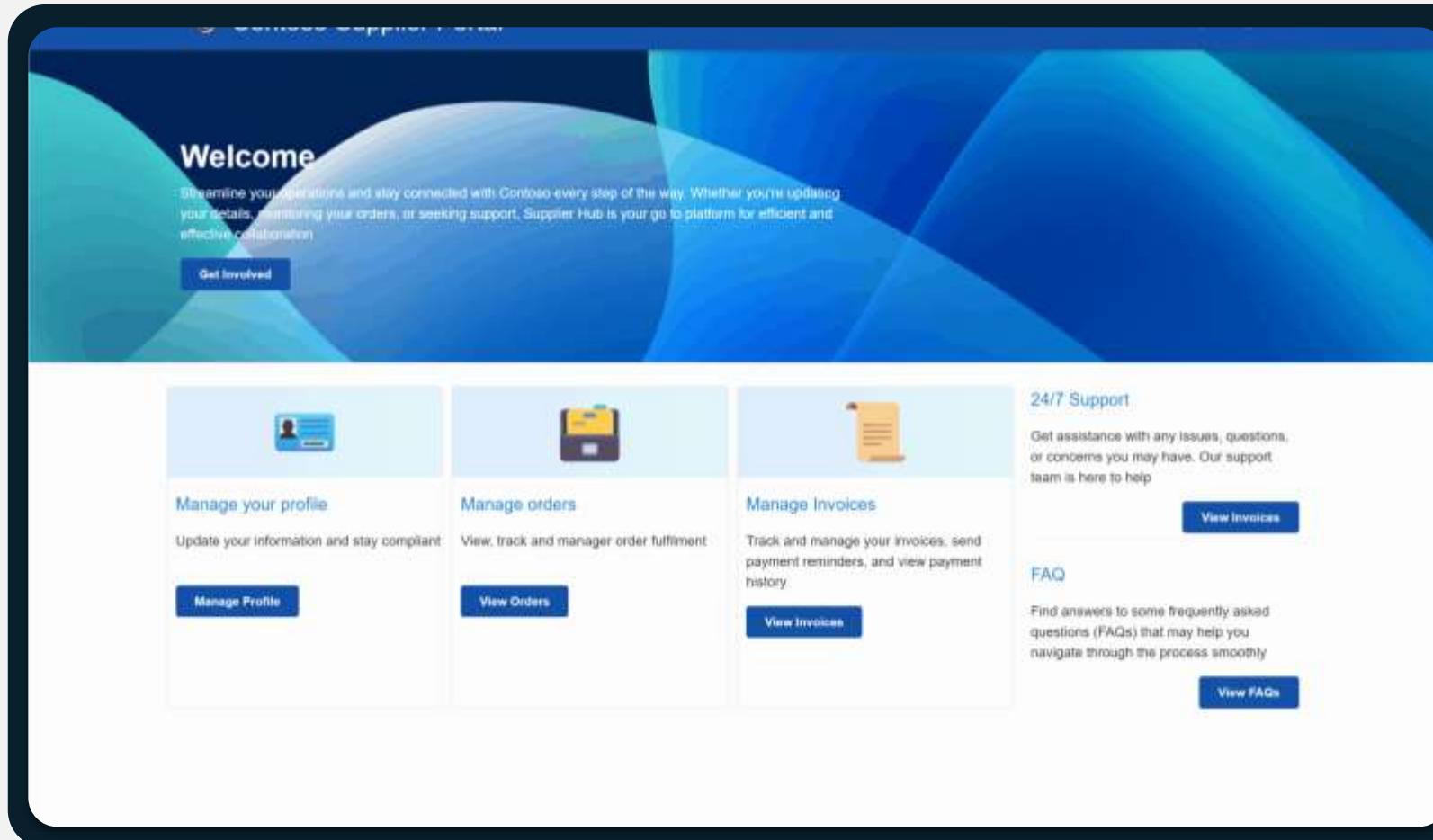


SAP Supplier Self Service Template

By connecting to SAP, the Power Pages supplier self-service template allows organizations **to extend their SAP use cases for suppliers**.

This will support **OOB support** for profile update, PO creation, & management experiences. Also offers full extensibility to any other SAP scenario.

Public Preview



Demo

SAP supplier self service portal



Contoso Supplier Portal

[Home](#) | [Manage Profile](#) | [Orders](#) | [FAQ](#) | [Q](#) | Linda Bauer

Vendor Profile

Take control of your vendor profile today, and unlock a world of opportunities. Update your information now and ensure that your registered name, billing address, and compliance status are up-to-date. Join Vendor Hub and experience the power of efficient vendor management.

[Save & Continue](#)

Vendor Information

Vendor Name

WOODGROVE PHARMACEUTICALS LTD.

Street

7650 BROAD STREET

City

PHOENIX

Country

United States

State/Province

Arizona

Postal Code

85047



Phones

[Add Phone number](#)

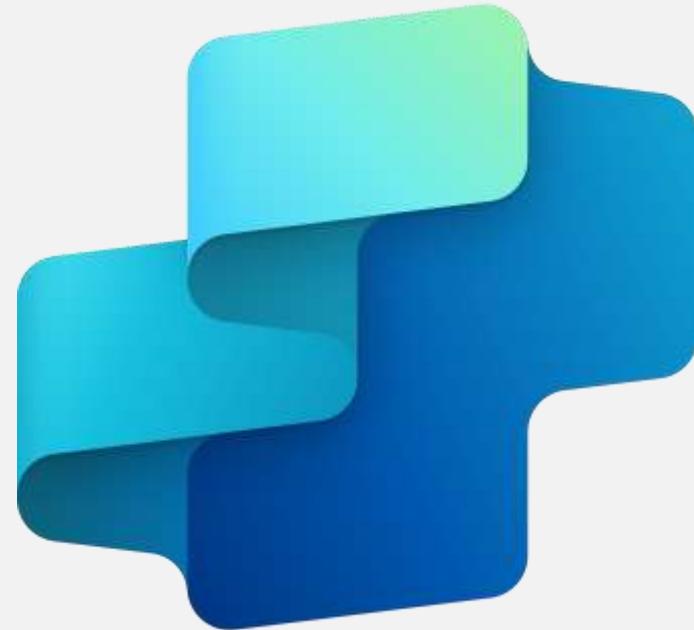
Show 3 / 3 entries

	Phone Number	Country	Extension	Default	Actions
1	(480) 555-1234	United States	100	No	Edit Delete

[Previous](#) [Next](#)

Microsoft Copilot Studio

Enterprise development features



Early Access Preview

Build copilots with agent capabilities

Complete tasks independently with a copilot tailored to a specific roles or functions

Automates long-running processes

Reasons over actions and user inputs

Leverages memory and knowledge

Learns and improves

Follows human guardrails and asks for help

The screenshot shows the Microsoft Copilot Studio interface. On the left, the 'IT Helpdesk' tab is selected under the 'Overview' section. A prominent message says 'Your copilot is ready! Here's what's next:' followed by a list of steps: 'Add instructions to refine and improve how it responds', 'Add actions so your copilot can perform specific tasks', 'Test your copilot to ensure its comprehension', and 'Publish your copilot so others can use it'. Below this is an 'Overview' card with a 'Goal' section stating 'Assist users through new hire support, troubleshooting, and hardware procurement.' It also lists 'Channels' (Outlook, Teams, Microsoft Copilot) and 'Triggers' (New Hire Detection, Employee hardware refresh). The 'Instructions' section contains a bulleted list of tasks related to hardware procurement. The 'Actions' section lists three actions: 'Send email request' (to sarahjones@microsoft.com), 'Create record' (to sarahjones@microsoft.com), and 'Send for approval' (to sarahjones@microsoft.com). To the right, a 'Test your copilot' window is open, showing a simulated conversation. The user asks 'Ok, great. I will contact the user <entity>, include the <delivery date> and a request for temporary laptop in the interim.' The copilot responds with 'I saved this as a Learned Response, and added an Arrange a temporary laptop action.' Below this, a test purchase order for a Surface Laptop 5 is shown.

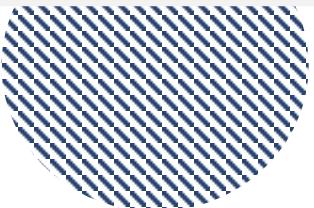
Demo

Copilot Studio agent capabilities



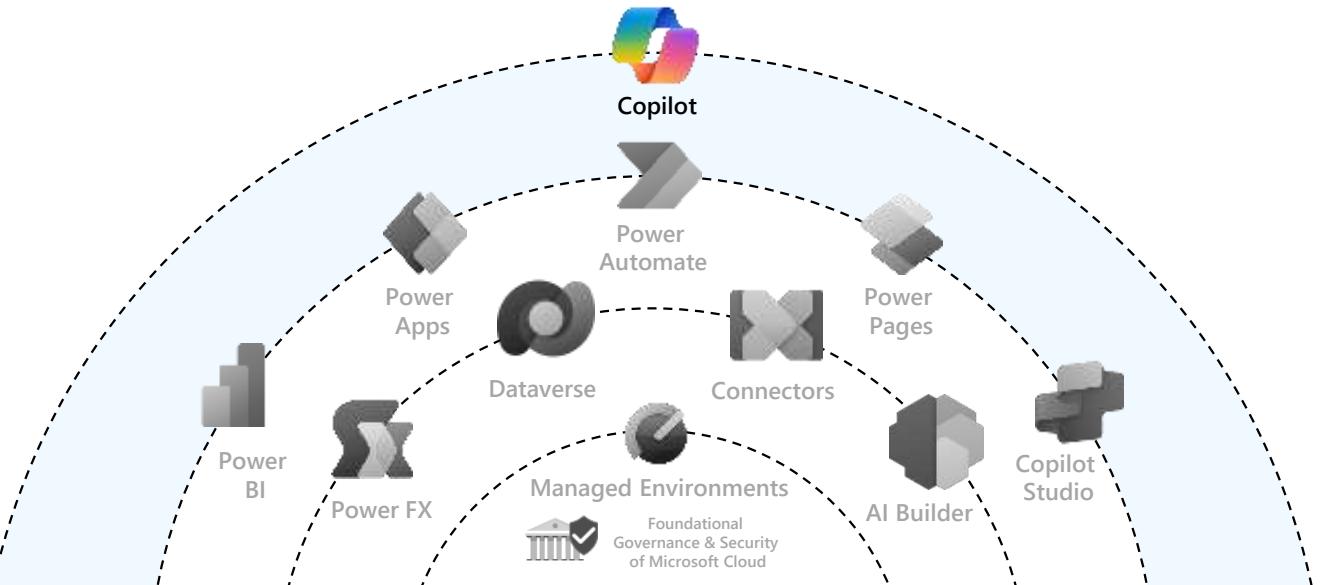
Start me at 11:38
Stop me at 19:56

Improved experiences with AI integration



Copilot intelligence throughout the stack

Gen AI advancements baked into the low-code platform for admins, low-code makers, Pro Devs and end users.



Copilot Impact

Power Automate

2x

the velocity to create a flow

More likely to succeed in building with Copilot



Power Apps

60%

higher success rate when building with Copilot



"Building the prototype from scratch would have taken 6-8 hours. We were able to just describe in natural language and build in a few minutes."

— Ron Colvin, Director of Innovation, CONA Services

Guide to Modernization Journey

1

2

3

Planning phase

Define goals and strategy for app modernization

Assess apps and prioritize low-code opportunities

Utilize Cloud Adoption Strategy Evaluator for business case

Implementation phase

Adopt an iterative approach for flexibility

Develop and deploy quickly with Power Platform

Train employees for fusion team collaboration

Operations phase

Continue app optimization post-implementation

Leverage cloud services for app management

Patterns of value: Extend LOB systems

Business applications are foundational...

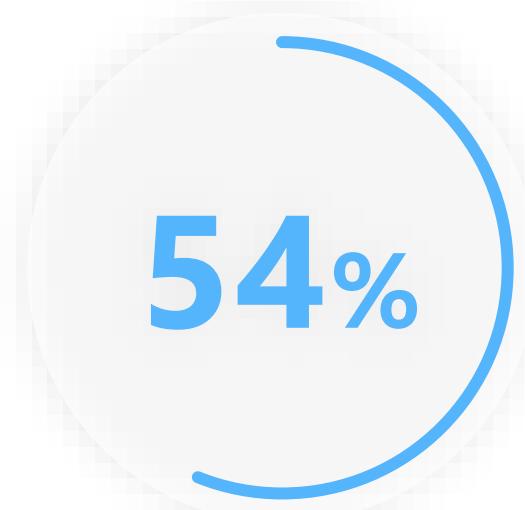


of enterprises are using CRM
systems



of enterprises are using ERP
systems

But no applications are perfect



of organizations struggle with shadow IT because employees
adopt unsanctioned apps

What are the consequences?



Inaccurate
data



Inefficient
processes



Increased
IT costs

The solution?



**Fill gaps in your business
processes & improve user
experiences with
[Power Platform](#)**

Improve and extend your core systems



Reduce manual **workarounds** and shadow IT by filling existing LOB gaps accelerating and improving processes.



Unlock siloed data in core systems improving end user experiences by enhancing data backed decision making.



Maximize your existing **investments** with a modern platform that extends the life of your core systems.

89% of CIOs and IT pros surveyed say low-code is effective in increasing efficiency.¹

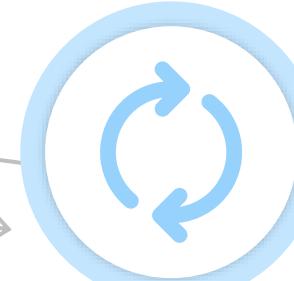
Seamlessly Extend LOB Systems with Power Platform

Simple Apps & Websites

Simplify front line business processes such as inspections with role and task-specific **Apps + Websites**.



Single Source of Truth



Automation & AI

Use **Automation + AI** to analyze documents and attachments to update LOB systems and trigger processes.



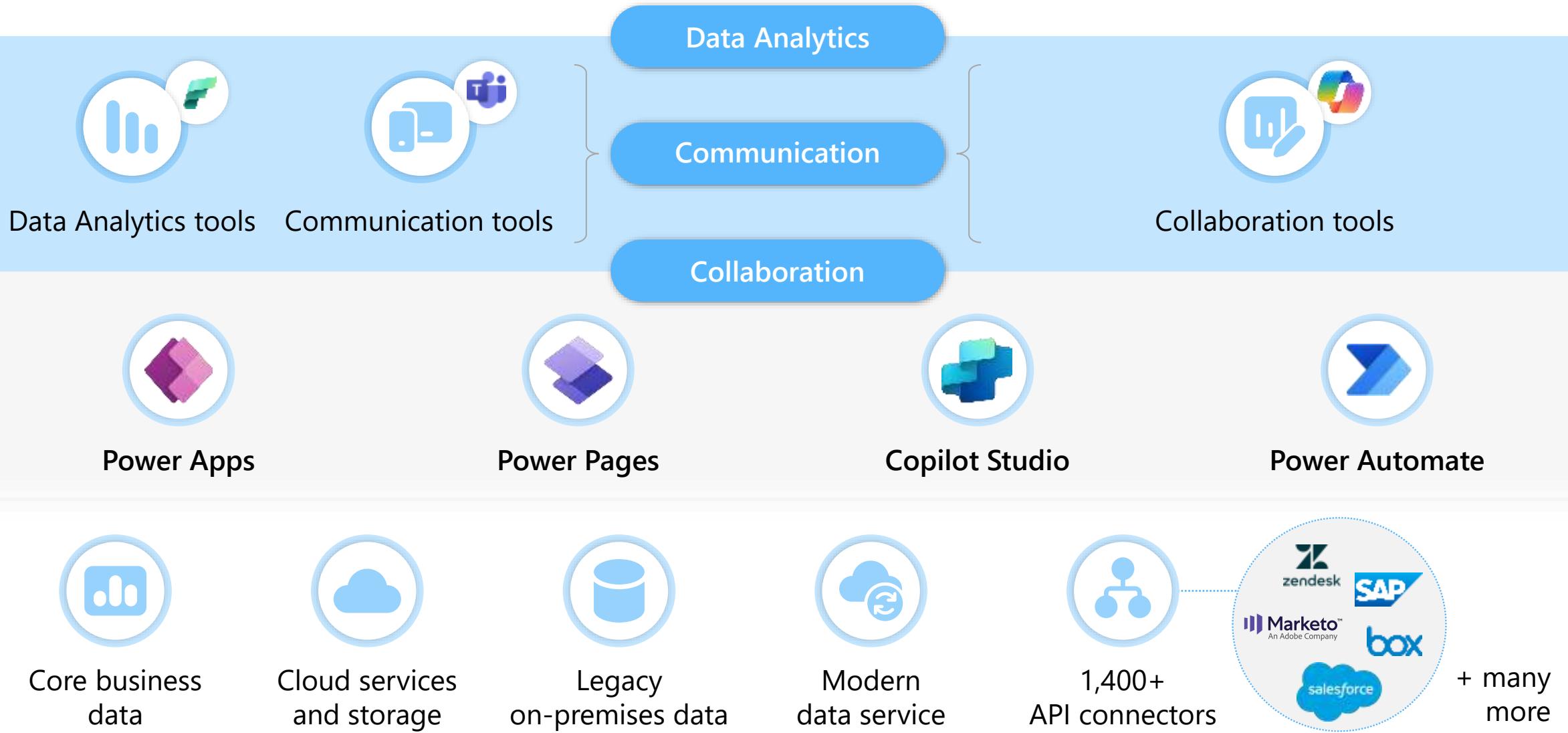
Custom AI Assistants

Custom Copilots

Deploy **AI Assistants** in collaboration tools like Teams to boost end-user efficiency in the flow of work.



Extend your LOB Apps Across the Microsoft Ecosystem



Eliminate Manual Processes with Simple Apps & Webpages



Create **user-friendly apps and websites** on top of core business systems to improve end-user experiences



Rapidly build apps and webpages with **pre-built components** reducing time to market



Replace manual paper or Excel entries with apps and webpages reducing data entry errors

The image displays two screenshots illustrating the creation of custom applications and webpages. The top screenshot shows a mobile application titled 'Softball League Standings'. It features a search bar at the top, followed by a list of teams. One team, 'The Victorious Violets', is highlighted. To the right of the list, there is a detailed view of the team's statistics: Team Name (The Victorious Violets), Wins (30), Losses (2), and Ties (1). The bottom screenshot shows the Microsoft Power Pages editor interface. On the left, the 'Pages' library lists various pages like 'Home', 'Personal loans', and 'For bank use'. On the right, a preview of the 'Woodgrove Bank' website is shown, featuring a banner with the text 'Welcome to Woodgrove Bank' and a call-to-action button 'Explore Loans'. A modal window titled 'Add a component' is open, showing options for 'Text', 'Button', and 'Image'.

Improve end-user experiences with AI assistants



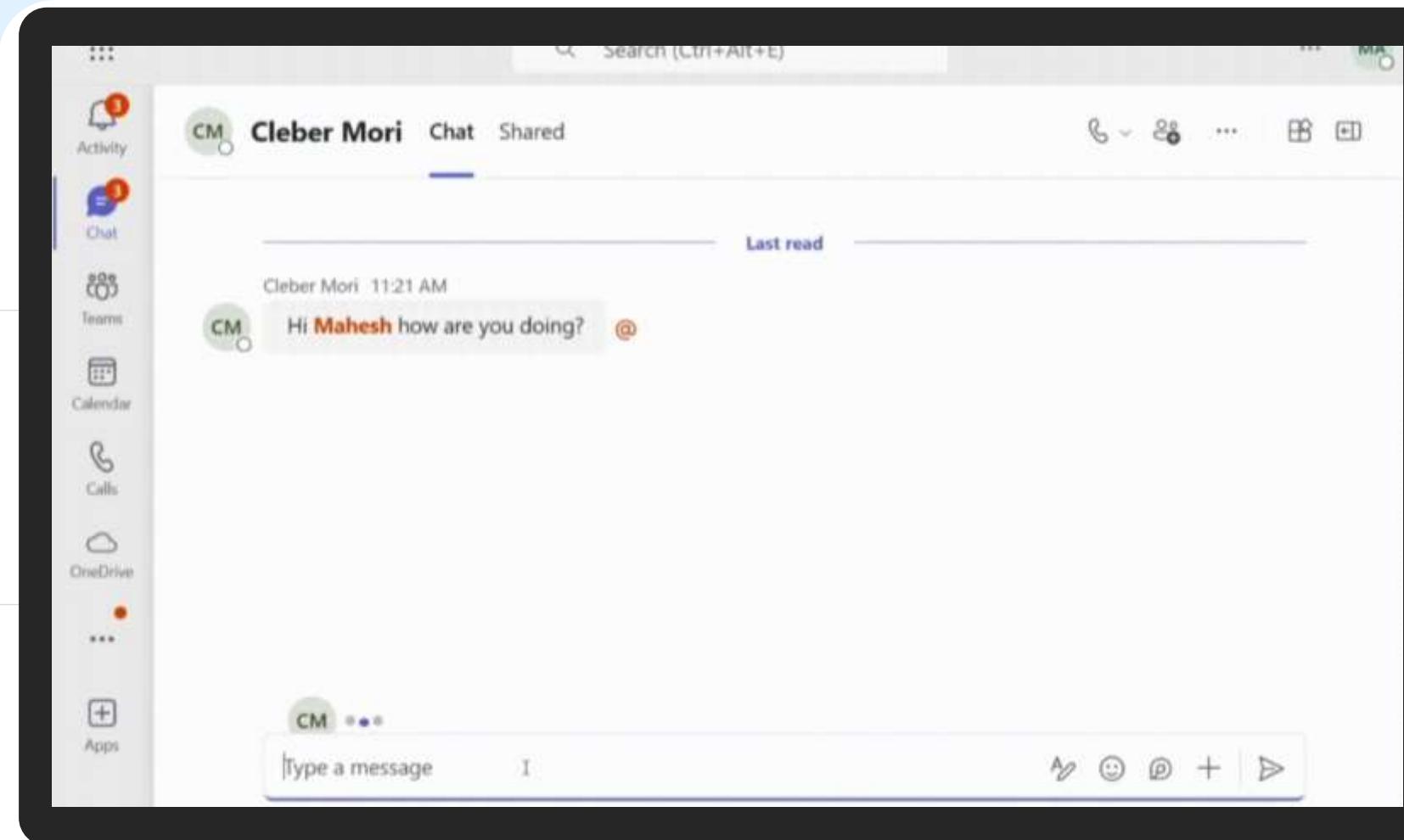
Boost your conversations using generative AI to dynamically respond using your organization's real-time content.



Customize your connectivity by building and publish custom plugins, and prompts, and surface your business data where you need it.



Publish tailored copilots for your employees or customers on the channel or language that works for them.



Boost productivity for everyone



Refine manual LOB business processes with **task and process mining** to identify bottlenecks.



Automate workflows with modern and legacy systems alike using advanced **DPA** and **RPA** solutions.



Infuse AI into business processes with prebuilt and custom AI models for document processing, image data extraction, prediction, and analytics.

The screenshot displays the Microsoft Power Automate platform. At the top, there's a navigation bar with options like Home, Create, Templates, Connectors, My flows, Approvals, Systems, Process mining, AI models, Desktop flow activity, and More. The main area shows three connected workflow cards:

- When Approval is Submitted**: Triggered by "From: []" and "Receive Approval".
- Get Approval Request**: Triggered by "From: []" and "Approval ID". It has a connection to the first card.
- Get Settlement PDF**: Triggered by "From: []" and "Process mining demo". It has a connection to the second card.

Below these cards, a modal window titled "AI Builder" is open, showing a list of AI models with descriptions and status indicators (e.g., "Available" or "Not available"). Some examples include:

- Create text with GPT (an Azure OpenAI Service provider) - Available
- Find and replace text in a document - Available
- Classify text into categories with one of your custom models - Available
- Classify text into categories with the standard model (provided) - Available
- Extract entities from text with one of your custom models - Available
- Extract entities from text with the standard model - Available
- Extract information from business card - Available
- Extract the language being used in text - Available
- Extract entities from text with one of your custom models - Available
- Extract entities from text with the standard model - Available
- Extract information from business card - Available

Increase Organization-Wide Collaboration



Enhance collaboration across the organization as employees can share and work on apps together in real-time.



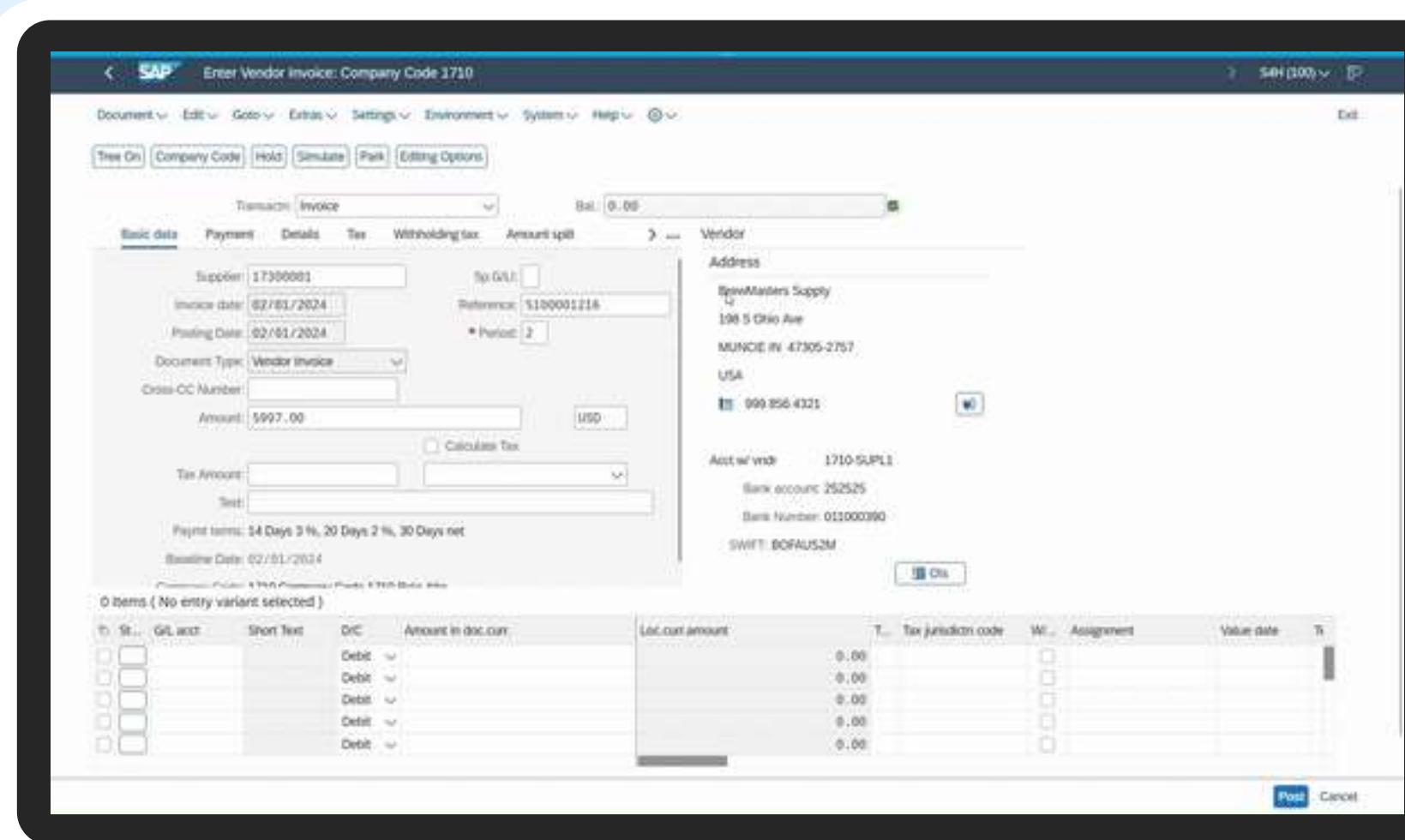
Centralize information and tools in Teams, improving data visibility and decision-making.



Trigger and run business critical workflows in the background of Teams reducing errors and increasing productivity.



Faster access to real-time LOB data and processes enables better decision making with custom copilots natively in Microsoft Teams.



Accelerate Business Processes in Communication Tools



Connect Copilot for M365 to your business data through 1000+ Copilot Studio connectors



Configure Copilot for M365 to provide responses on topics such as legal requests or finance and compliance inquiries.



Secure your Copilot customizations with the right access, user controls, and analytics.

The screenshot shows the Copilot Studio interface. On the left, there's a sidebar with icons for 'Create', 'Copilots', 'Library', and three dots. The main area has a title 'Step 1 of {X}: Choose an action (Powered by Copilot connectors)' and a sub-instruction 'Create an action or browse through our list of actions you want to use to get information from external sources. [Learn more](#)'. Below this, a section asks 'What action do you want to add?' and notes 'This AI-powered feature is in preview. [See terms](#)'. It features three large buttons: 'Create an Action', 'Create a Content pack', and 'Create a flow'. Below these are sections for 'Discover actions and more' with a search bar and filters ('All', 'Connectors', 'Custom connectors', 'Skills', 'Flows', 'Dataverse'), and a grid of action cards. At the bottom are 'Next' and 'Cancel' buttons.

Step 1 of {X}: Choose an action (Powered by Copilot connectors)

Create an action or browse through our list of actions you want to use to get information from external sources. [Learn more](#)

What action do you want to add?

This AI-powered feature is in preview. [See terms](#)

Create an Action Create a Content pack Create a flow

Discover actions and more

All Connectors Custom connectors Skills Flows Dataverse

Create a work item Azure DevOps Create an issue GitHub Create Task (V2) Asana Create a task (preview) Planner

Create a work item Azure DevOps Create an issue GitHub Create Task (V2) Asana Create a task (preview) Planner

Next Cancel

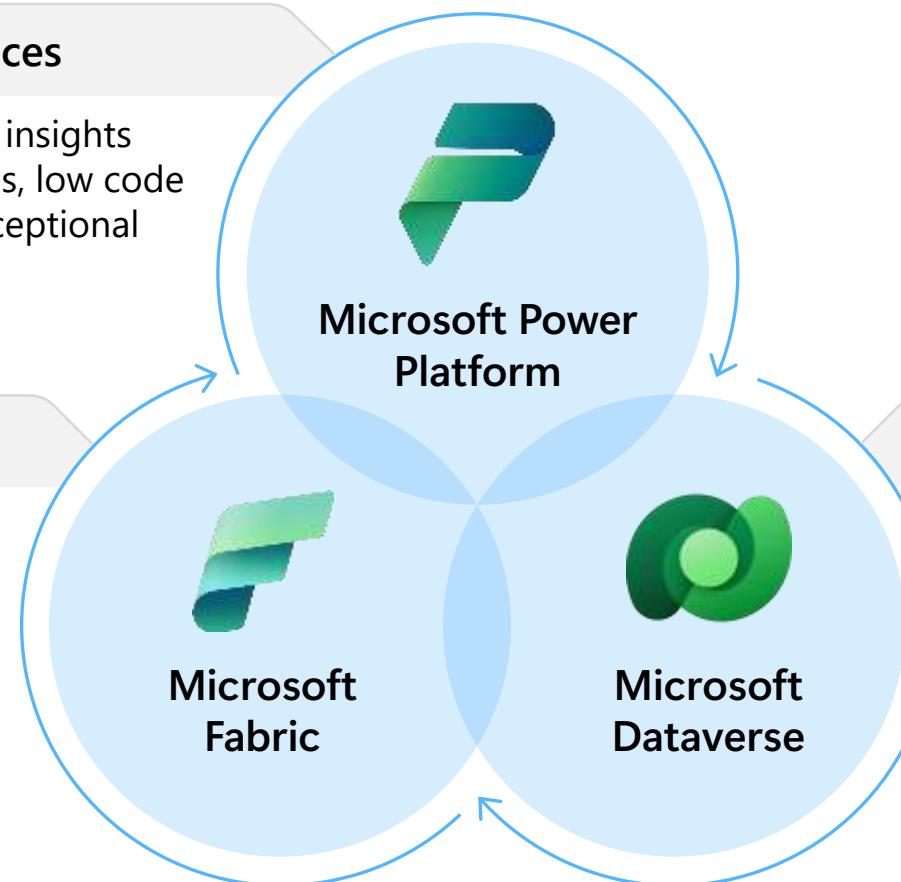
Seamlessly Generate Data Insights

Empower teams & power experiences

Democratize all organizational data and insights and Power Platform to data professionals, low code makers, and business users to create exceptional experiences and drive business value.

Turn insights into action

Leverage real-time, actionable insights through low code applications for efficient and effective decision-making to transform your business.



Native integration

Easy direct data integration with Dataverse means you can automatically make all your Dynamics 365 and Power Platform data available for analysis in Microsoft Fabric.

Deeper SAP integration out of the box

1

25 prebuilt Power Apps (and growing)
including Order to Cash, Procure to Pay, Record to
Report, and Make to Stock/Make to Order (MRP)

2

Prebuilt Power Automate Flows for
common SAP Processes

3

New SAP Connector and Action

[Learn more](#)

The screenshot displays two main components of Microsoft Power Apps:

- Purchase Order Form:** A Microsoft Dynamics 365-style form titled "Purchase Order". It includes fields for Vendor Name (VANDELAY INDUSTRIES), Order Type (NR), Purchase Order Number (PO12345), and a detailed "Items" section listing three Office Supply items: LASER PRINTER, PRINTER PAPER, and PRINTER TONER, each with a quantity of 1.
- Power Automate Flow:** A flow titled "ApprovePurchaseOrder" starting with a "PowerApps" trigger, followed by an "Order" action, and finally an "BAPI PO RELEASE (Preview)" action. The "BAPI PO RELEASE" step is highlighted in red and shows configuration for SAP system (SAP Development), RFC name (BAPI_PO_RELEASE), and RFC Group (All RFC groups). It also includes parameters for Session ID (01), PURCHASEORDER (Order X), and NO_COMMIT (Cancel Work Notes).

Next steps

Continue sua jornada de **conhecimento**

Demonstrações técnicas de Power Platform

Eventos no **Microsoft Teams** conduzidos pelos especialistas em Power Platform da Microsoft Brasil. Para participar procure seu **gestor(a) de conta** (AE) ou **especialista** (SSP).



Desenvolvimento de aplicativos

Tópicos

- Canvas Apps
- Microsoft Dataverse
- Model Driven Apps
- Power Pages

Duração

03 horas

[Saiba mais](#)

Governança e ALM

Tópicos

- Governança
- Segurança
- Monitoramento
- Centro de Excelência (CoE)
- ALM/DevOps

Duração

03 horas

[Saiba mais](#)

Hiper automação

Tópicos

- Process e Task Mining
- Cloud flows (DPA)
- Desktop flows (RPA)
- Gerenciamento e monitoramento
- Hosted machines (VMs SaaS)
- Automações e integrações

Duração

03 horas

[Saiba mais](#)

Criando copilots com Copilot Studio

Tópicos

- Ecosistema Microsoft de copilots
- Visão geral do Copilot Studio
- Recursos baseados em IA generativa
- Automações e integrações

Duração

03 horas

[Saiba mais](#)

Continue sua jornada de **conhecimento**

Power Platform Connect

Site mantido pelos especialistas em **Power Platform** da **Microsoft Brasil**. Nele você encontrará:



Biblioteca de conteúdo

Coleção de links oficiais das soluções que compõem a Power Platform



Eventos online

Eventos online promovidos pela Microsoft ou seus parceiros.

<https://microsoft.github.io/powerplatformconnect>

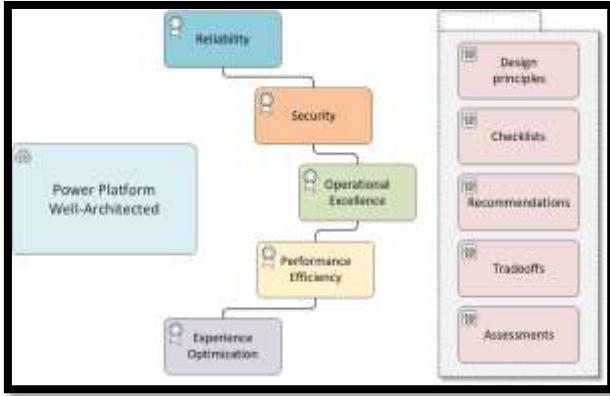
Microsoft Power Platform Adoption

Saiba como o low code pode **acelerar** sua transformação digital e como adotar de forma **segura** e **eficiente** a Power Platform em toda a sua organização.

A screenshot of the Microsoft Power Platform Adoption website. The page has a header with the Microsoft logo and navigation links. Below the header, there's a main title "Microsoft Power Platform Adoption" with a subtext: "Work together to meet challenges effectively with Microsoft Power Platform—analyze data, build solutions, automate processes, and create virtual agents." There are three main sections: "Adoption workbook" (with a download button), "Adoption best practices" (with a link to learn more), and "Adoption maturity model" (with a link to learn about the model). On the right side, there are images of a smartphone, a laptop, and a desktop screen displaying Power Platform interfaces.

<https://adoption.microsoft.com/en-us/powerplatform/>

Continue sua jornada de **conhecimento**



Power Platform Well-Architected

Ajuda você a projetar aplicativos modernos para atender aos requisitos atuais e se adaptar às necessidades e desafios futuros

[Conheça](#)

This screenshot shows the "Dashboard overview for home page" in the Power Platform Admin Center. The dashboard includes sections for "ITIL training", "ITIL documentation", "ITIL governance", "ITIL compliance", "ITIL reporting", "ITIL processes", "ITIL metrics", "ITIL configuration", "ITIL integration", and "ITIL support". On the right side, there's a preview of the "ITIL training" section, which displays course details like "Title: ITIL v3 2011", "Status: Pending completion", and "Completion date: 2023-07-10". Below the preview, there's a note: "The following are the certificates you can add to the dashboard".

Guia de administração da Power Platform

Acesso unificado a toda a documentação sobre administração, governança e segurança

This screenshot shows the "Power Platform White Papers" page. It features a large image of a white paper titled "Power Platform Governance: A Practical Guide to Managing Data and Security Across Your Organization". Below the image, there's a summary: "This white paper provides practical guidance for managing data and security across your organization. It covers key concepts such as data classification, access control, and compliance requirements, and offers best practices for implementing a comprehensive governance strategy." There are also links to other white papers like "Power Platform Data Governance" and "Power Platform Security Governance".

This screenshot shows a detailed view of the "Power Platform Governance" white paper. It includes sections on "Data Protection", "Data Privacy", "Data Governance", "Data Quality", "Data Integration", and "Data Privacy". There are also sections on "Identity Management", "Compliance", and "Cloud Migration". The page is filled with text, diagrams, and links to further resources.

Power Platform White Papers

Informações, soluções e recomendações detalhadas para ajudá-lo a abordar tópicos complexos da Power Platform

This screenshot shows a detailed view of the "Power Platform Governance" white paper. It includes sections on "Data Protection", "Data Privacy", "Data Governance", "Data Quality", "Data Integration", and "Data Privacy". There are also sections on "Identity Management", "Compliance", and "Cloud Migration". The page is filled with text, diagrams, and links to further resources.

[Conheça](#)

Thank you!

Ricardo de Souza

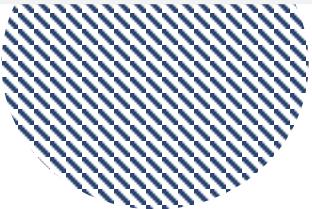
Technology Specialist - Power Platform

 rdesouza@microsoft.com

 <https://www.linkedin.com/in/ricardodesouza/>

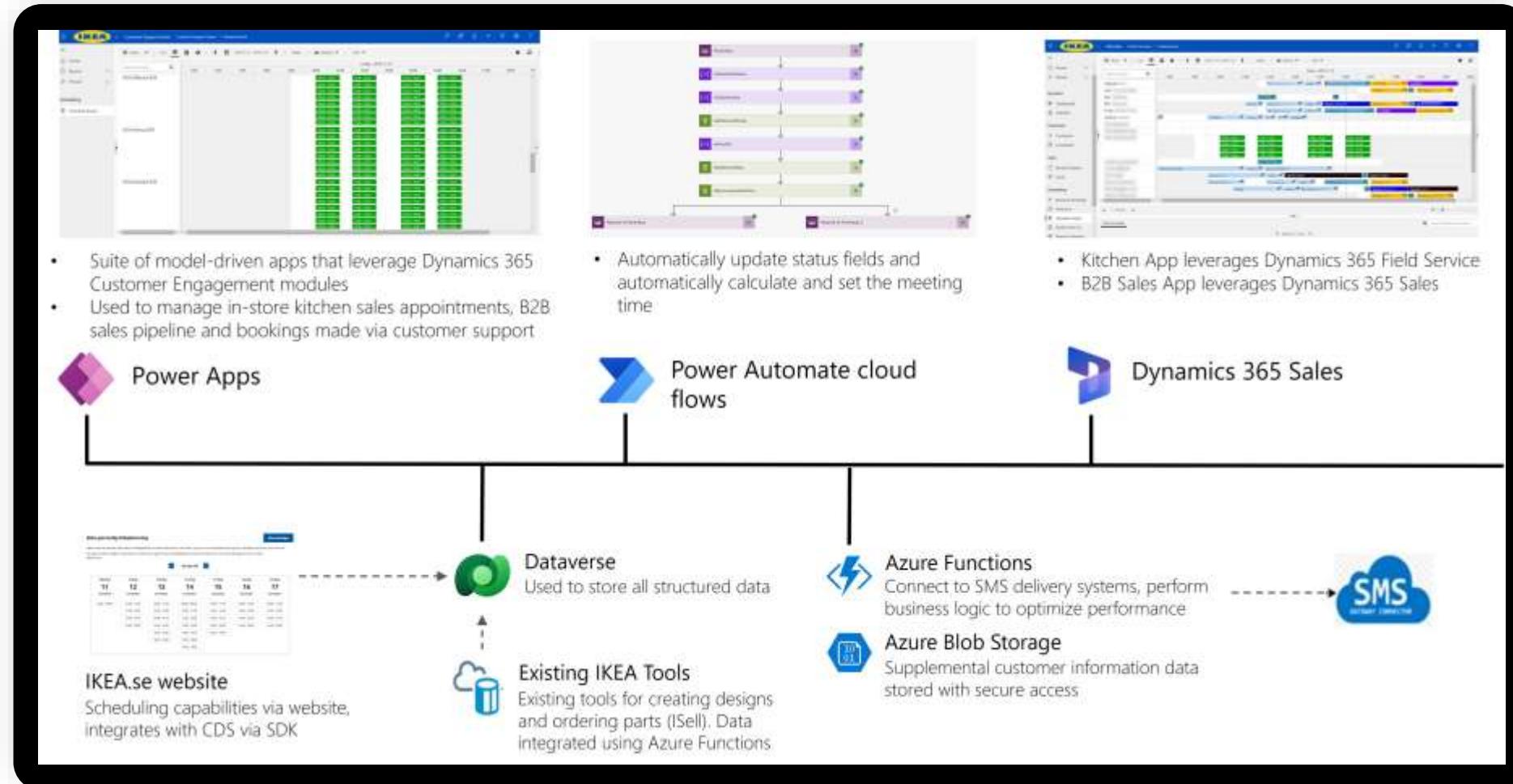
Appendix

Reference architectures



Solution Architecture Using Dataverse

How [IKEA Sweden](#) partnered with [Capgemini](#), a Microsoft Gold Partner, to build a Dynamics 365 and Power Platform solution for its sales staff to improve the kitchen buying experience for individual customers (B2C) and businesses (B2B).





Streamline customer onboarding processes with Power Apps

EY is a global professional services organization committed to “building a better working world.” A client with an outdated CRM came to EY to explore streamlining its onboarding processes for new customers. Using Microsoft Power Platform, EY helped the client streamline its onboarding process by reducing manual effort and providing better workflow capabilities to share information across the company.



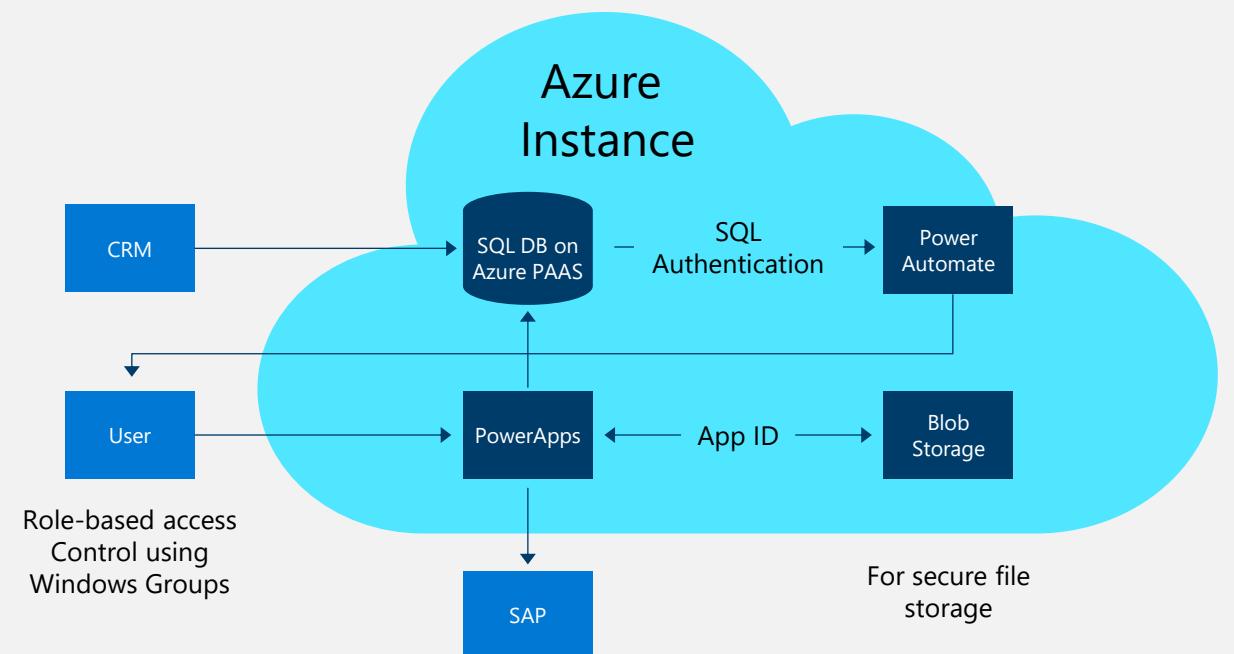
Challenge

The onboarding process is email-based, manual and decentralized causing negative impact on customer relationships



Solution

Build an app powered by Azure to securely and accurately collect, review and propagate customer data for creation of records minimizing manual data entry





Streamline departmental processes, like Blackmores



Challenge

To check order status, Blackmores Planners had to manually consolidate information from multiple sources locked in various data silos.



Solution

Supplier data is consolidated in Azure SQL Database. Azure Functions uses Azure API management to create monthly tasks for Planners to review and update data in Power Apps.



Impact



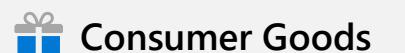
Over 50% reduction in time to prepare supplier report.



Unified data reduces errors from manual assembly.

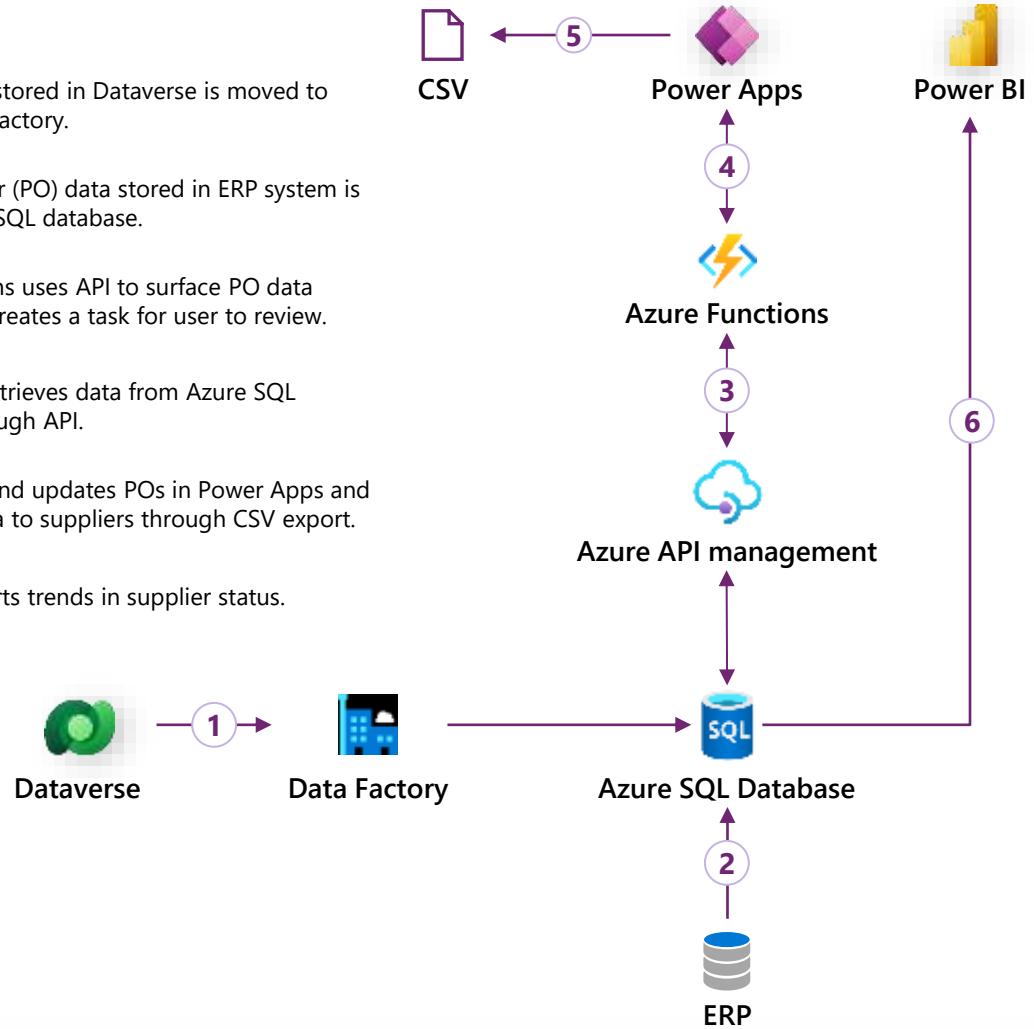


Process is monitored to ensure timely and regular reporting.



LOB/DEPARTMENTAL SOLUTIONS

- 1 Supplier data stored in Dataverse is moved to SQL via Data Factory.
- 2 Purchase order (PO) data stored in ERP system is sent to Azure SQL database.
- 3 Azure Functions uses API to surface PO data monthly and creates a task for user to review.
- 4 Power Apps retrieves data from Azure SQL Database through API.
- 5 User reviews and updates POs in Power Apps and sends this data to suppliers through CSV export.
- 6 Power BI reports trends in supplier status.



The big benefit of Power Apps is that you can spend less time on the "boring" stuff like modelling data or building forms and focus on the areas where there is the most complexity and – as a result – business value.

– Tijn Tacke
Dynamics 365 Platform Lead



Customer example: Automating order processing at Coca-Cola UNITED

"We explored open-source options, but these platforms keep changing. We like the low-code simplicity of the Power Platform and how it integrates with Azure. Today, it's the preferred platform for all our ERP analysts."

- Bob Means: Director of Business Solutions

Coca-Cola Bottling Company United

Situation

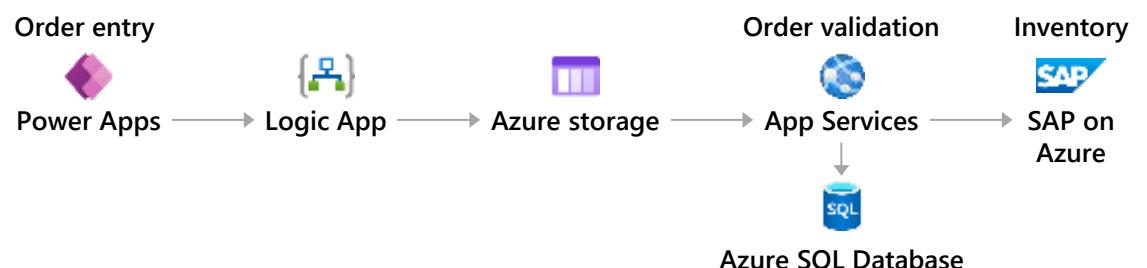
- Coca-Cola UNITED wanted a faster way to process on-demand shipment requests (or "forced shipments") from customers.
- Previously, account reps had to submit orders and check inventories manually, often leading to errors and shipping delays.

Solution

- A new solution built using PP and Azure automates the forced shipment process.
- A field rep enters order details through a mobile app. Azure App Services then validates the order against inventory data in SAP, writes all details to a SQL database and sends to SAP for processing.

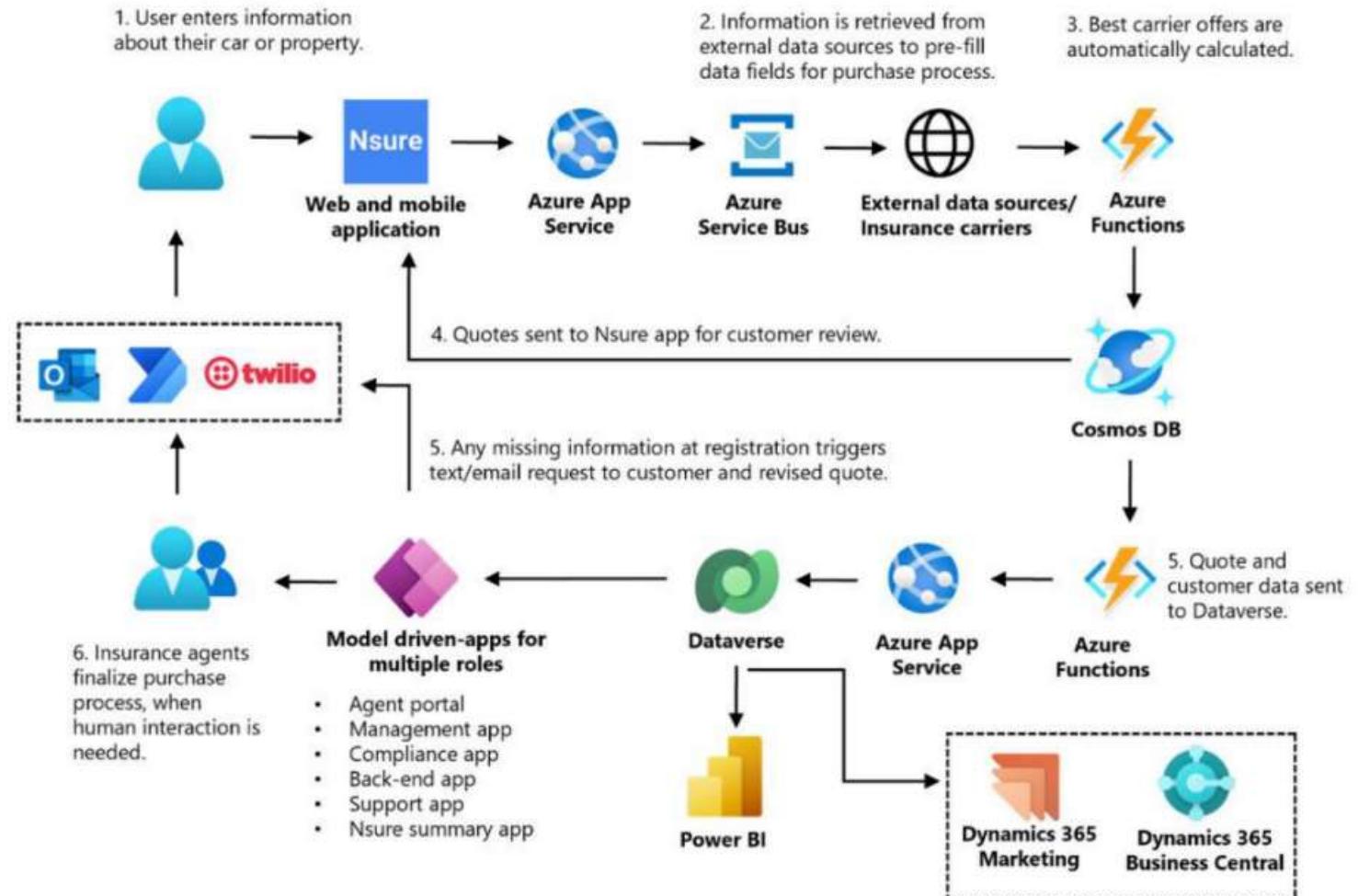
Impact

- Order processing has **gone from hours to seconds** with the automated solution.
- The company is now **processing ten times more** forced shipment orders – with better tracking, fewer errors, faster delivery times, and improved customer satisfaction.



NSure.com, a proprietary online insurance shopping platform, offers a real-world example. The company's initial launch relied on traditionally developed Angular, Xamarin, and Azure services.

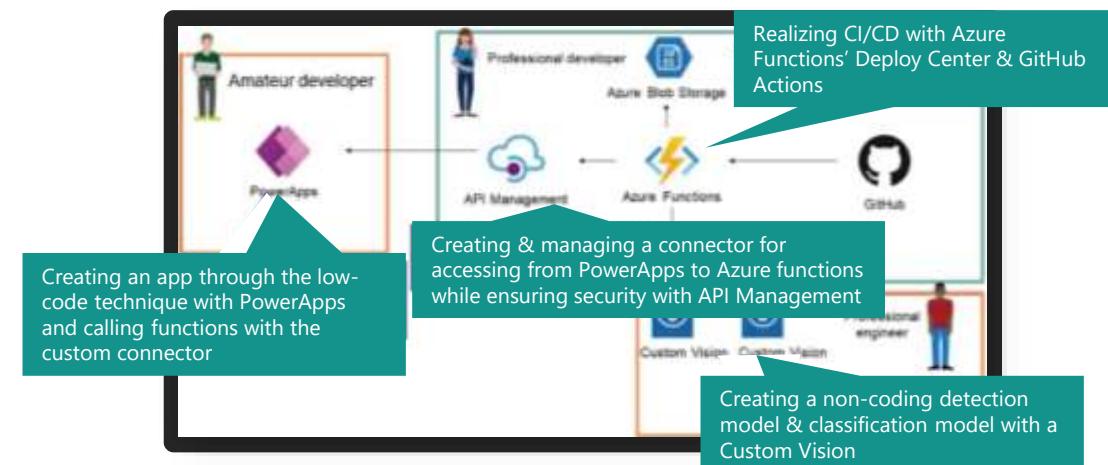
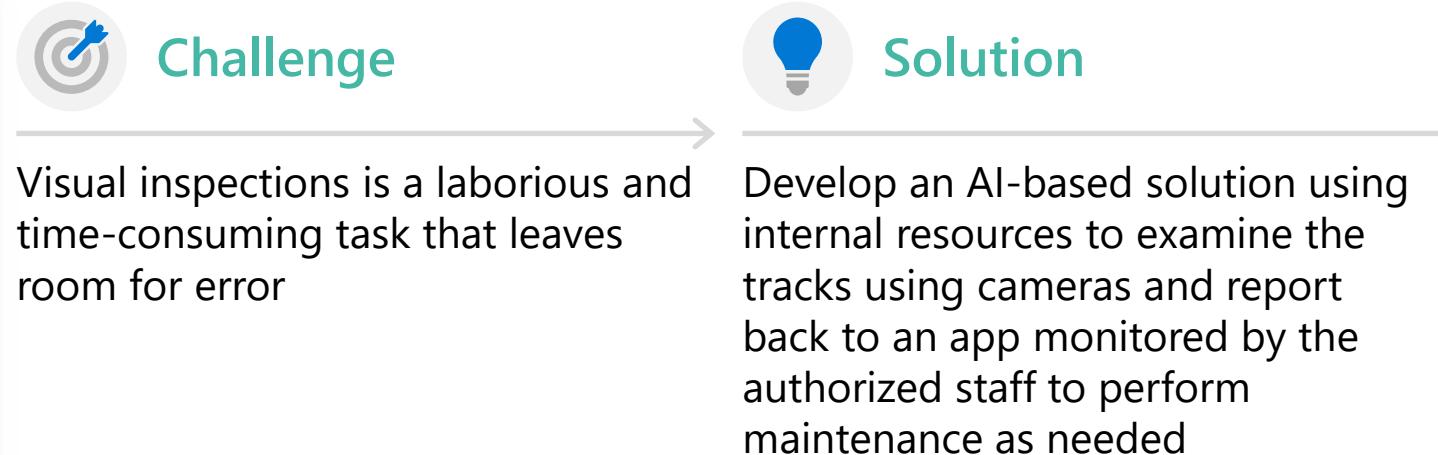
By adding Power Platform and Dynamics 365, NSure.com created a next-generation solution using both lowcode and traditional coding techniques, as the following diagram illustrates.





Makers & Experience Devs Collaborate to Build a Track Abnormality Detection Solution

Tokyo Metro Co., Ltd. operates nine of the 13 subway lines that stretch beneath Tokyo. Maintenance of all lines is an important task that the company was looking for ways to improve. They utilized Microsoft Azure AI and Power Apps to create a solution in-house through Fusion Teams that uses photos of the track and data to scan and report abnormalities and greatly reduce the need for manual inspections.



>90%
accuracy using [Custom Vision](#)

3 step
process to identify, detect then classify targets



Optimizing HR for a global technology-enabled services leader

About Epiq

8,000+ people and operations worldwide

“

With AI Builder in Power Automate, we added a model that cleans up formatting of new employee submission forms. This allows us **to process more efficiently** at scale – and **it works flawlessly**.

– Colt Coan: Senior Manager of Rapid Development, Epiq

Challenge

Automate onboarding process and decrease costs

Improve collaboration between hiring managers and IT teams

Solution

End-to-end process automation, AI-driven forms processing, and bots for managing requests

System integration with Workday and ServiceNow

\$500,000 annual labor cost savings

2,000 hours saved monthly

Onboarding time from weeks to days

Center of Excellence with **over 600** other apps

Impact



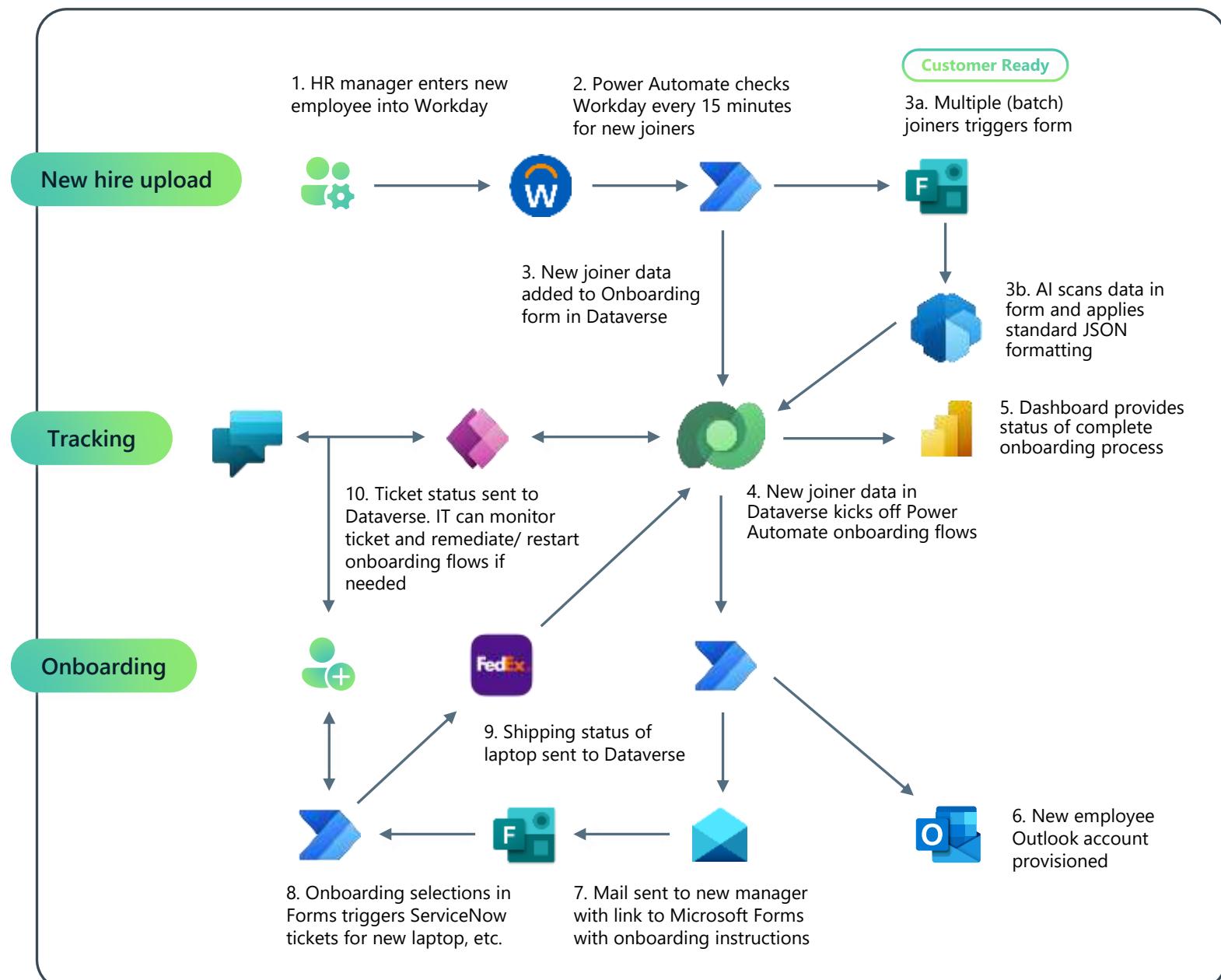
A better employee onboarding system

Built with Microsoft Power Platform

66

By automating our onboarding and offboarding process with Power Platform, we're saving about **2,000 hours** of work each month and **over US\$500,000** annually in associated costs.

– **Colt Coan**, Senior Manager of Rapid Development, Epiq





Center of Excellence

Driving faster, more rigorous development



390+

Makers

600+

Low-code / no-code solutions

“

Since working with Power Platform, **there has never been this much collaboration between the business and IT teams**. Everyone is planning and building compelling business solutions together.

– Colt Coan, Senior Manager of Rapid Development, Epiq