



Powerful Devs 2023

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**Low-code turbo charges
your development potential**



500 M

More apps



4 M

Developer shortfall

Source: IDC, Quantifying the Worldwide Shortage of Full-Time Developers,
September 2021, A. Dayaratna, Research Vice President

No code, low-code, and pro-code - all are welcome



Microsoft Power Platform



Power BI

Business analytics



Power Apps

Application development



Power Automate

Workflow automation



Power Virtual Agents

Intelligent virtual agents



Power Pages

Website development



Dataverse



AI Builder



Power FX

By 2025

70%

**of new applications developed by enterprises
will use low-code or no-code technologies**

Source: Gartner, Forecast Analysis: Low Code development Technologies. January, 2021.



7.4M+

Developers use
Power Platform
each month



Complete toolchain for developers

GitHub

65M+ developers

Azure

Any language,
any platform

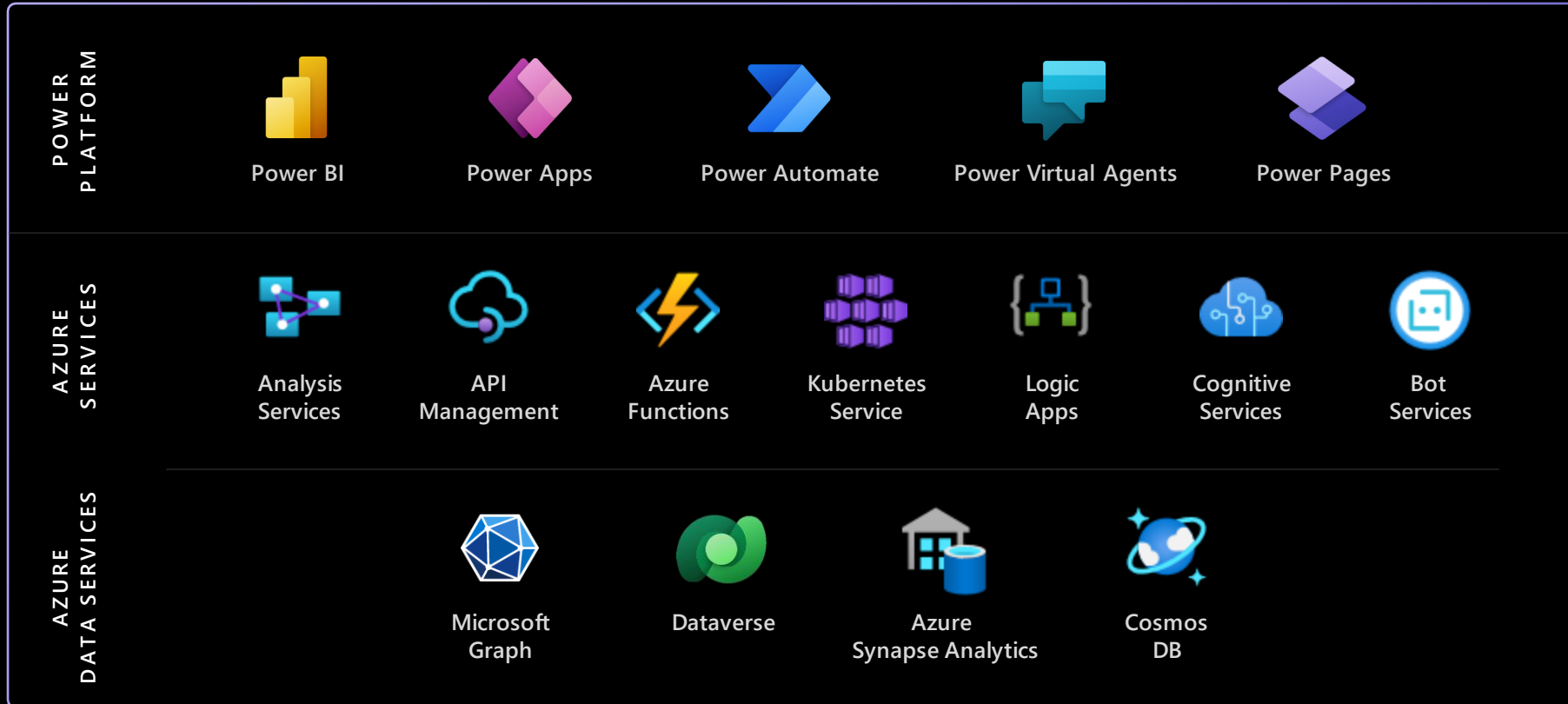
Visual Studio

#1 developer tool

Power Platform

Leader in low-code
development platforms

Pro Code + Low-Code = No Limits



PRO DEVELOPER
CODE FIRST



Visual Studio



VS Code



GitHub



The diagram features a large, dark blue circular graphic on the left. Inside this circle is a lighter blue circular arrow pointing clockwise. The text "Scale through Fusion Teams" is centered within the circle. To the right of the circle, three horizontal lines extend from the circle's edge, each ending in a small blue dot. These lines point to the text labels "Professional developers", "Business analysts", and "IT admins" respectively.

Scale through Fusion Teams

Professional developers

Business analysts

IT admins

EMBEDDED DEMO VIDEO



LUMEN[®]



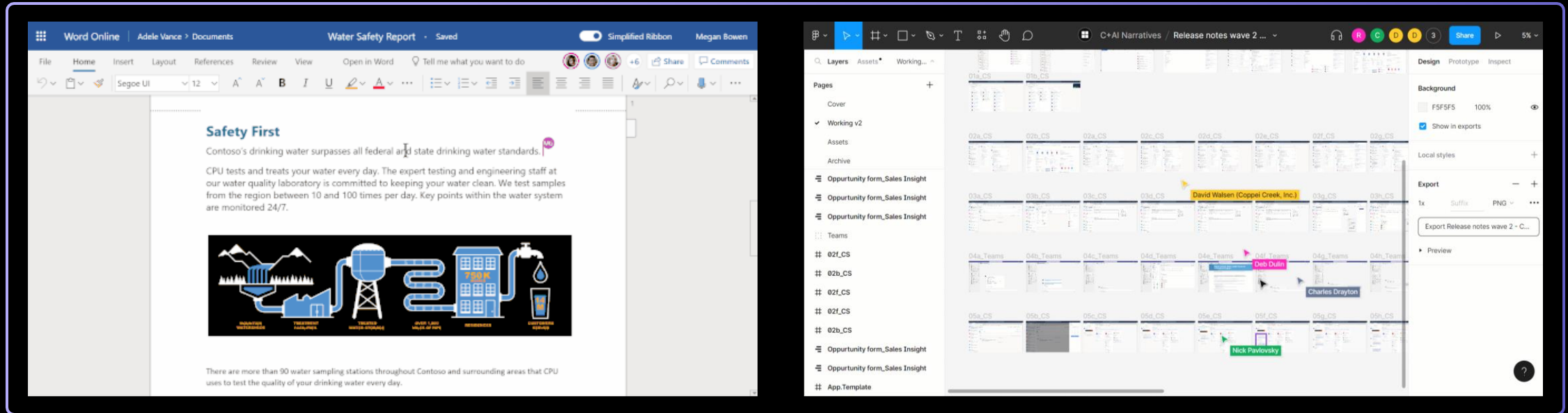
Coauthoring

Multiple developers for
the same app simultaneously

The screenshot displays the Power Apps Application Review interface in a web browser. The browser's address bar shows the URL: <https://make.powerapps.com/e/7ad82e35-9bb8-ea1f-809e-bbbe1a9fb619/s/00000001-0000-0000-0001-00000000009b/app/edit/7b92428b-dc2e...>. The interface includes a top navigation bar with tabs for Home, Basics, Whiteboard, Power, Mail, and Application. The main content area is titled "Power Apps | Application Review" and shows a list of pages on the left, including "Students view" which is currently selected. The central pane displays a table of "Active Students" with columns for First name, Last name, and GPA. The table lists five students: Anna Aljanaki (4.0), Monica Rays (4.0), Sigrún Kristjánsd... (3.6), Joanna Krawczyk (3.6), and Krmil Amozoda (3.6). A right-hand pane shows a "Comments" section with a comment from Luca Machetti (@Miti) dated September 19, 2022 at 12:38 PM, stating: "What do you think of this so far? I was thinking a dashboard would help reviewers see trends across applicants". The bottom of the screen shows the Windows taskbar with the time 3:10 PM and date 9/19/2022.

First name	Last name	GPA
Anna	Aljanaki	4.0
Monica	Rays	4.0
Sigrún	Kristjánsd...	3.6
Joanna	Krawczyk	3.6
Krmil	Amozoda	3.6

Realtime collaboration is expected



Collaboration built into every app



Power Platform



Pro Devs

Enabling code first developer in low-code world

CI/CD for developers

GitHub actions for Power Platform on GitHub Marketplace

Azure DevOps Build Tools for Power Platform on VS Marketplace

Interact with Low Code Pipelines through Power Platform VS Code extension

Pipelines for every developer

Configure developer pipelines in a low-code experience

Pipelines can be triggered by code first developers in Power Platform CLI, VS Code extension or GitHub/Azure DevOps

Designed to reduce friction and improve collaboration for fusion teams

Frictionless onboarding

Several options to get started with Zero friction

Power Platform Developer License enables everyone to get started at no cost
Azure PayGo offers flexible licensing in known model

Code-first experiences

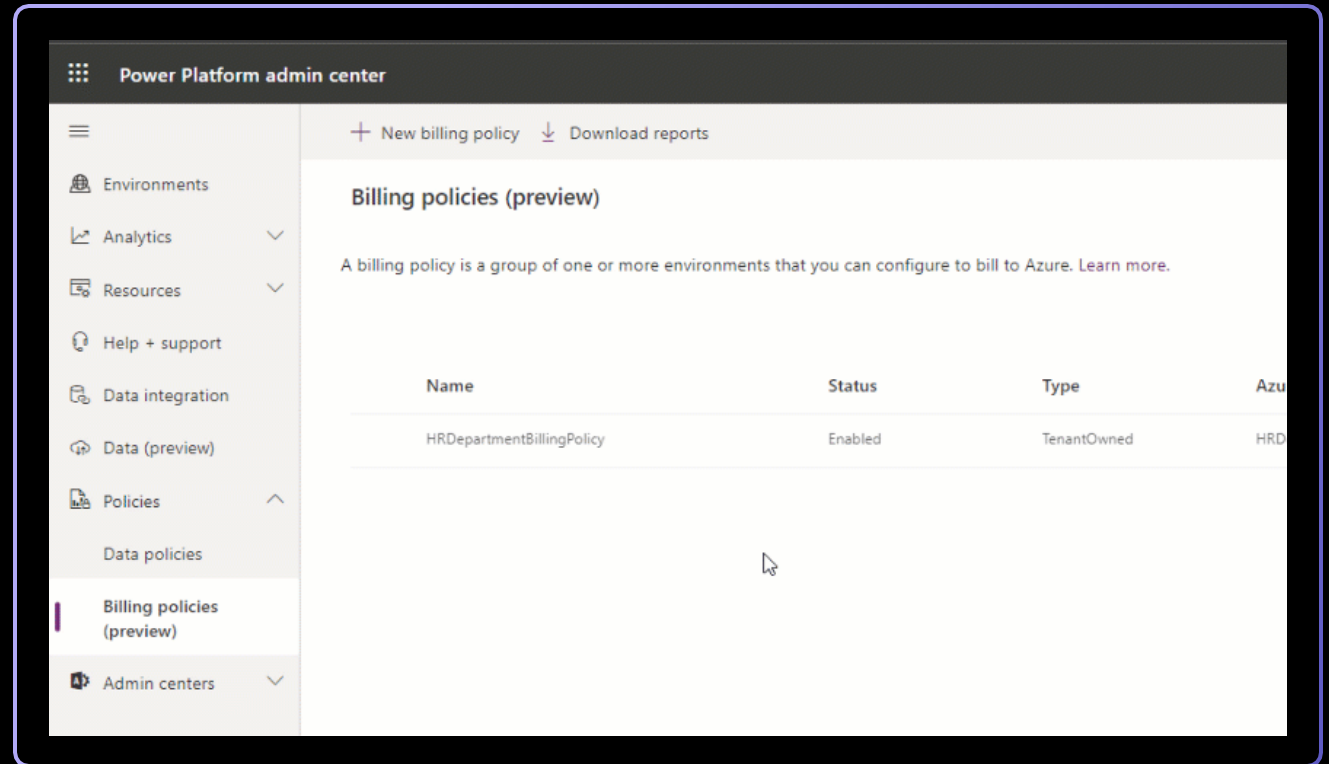
Power Platform Tools for VS Code enables Developers to build, test and deploy code-first components in their favorite IDE

VS Extension also available in GitHub Codespaces for a full online experience with no install required

Pay as you go with Azure subscription

Developers and IT Pros can use their Azure subscriptions to pay instead of working through procurement

Easy way to get started with premium Power Apps – no upfront decisions or commitment





A low-code language for professional developers

Accelerate with the simplicity of formulas and add code where it matters using favorite developer tools.

Rapidly build solutions with less time and effort.

Accelerate with early detection of errors and rich suggestions while authoring.

Create components and functions using the formula language itself.

Create components and functions by writing JavaScript or deploying web APIs.

```
282 ..... BorderColor: =RGBA(166, 166, 166, 1)
283 ..... BorderThickness: =0
284 ..... Height: =56
285 ..... X: =(Parent.Width-btnAction_17.Width)/2
286 ..... RadiusTopLeft: =5
287 ..... ZIndex: =1
288 ..... Y: =(Parent.Height-btnAction_17.Height)/2
289 ..... RadiusBottomLeft: =btnAction_17.RadiusTopLeft
290 ..... RadiusBottomRight: =btnAction_17.RadiusTopLeft
291 ..... RadiusTopRight: =btnAction_17.RadiusTopLeft
292 ..... FocusedBorderColor: =btnAction_17.BorderColor
293 ..... Fill: =varColorPrimary
294 ..... OnSelect: |-
295 .....   =Trace("Feedback Screen: Submit Button",TraceSeverity.Information);
296 .....
297 ..... If(
298 .....   // Proceed if all forms are validated.
299 .....   And(
300 .....     FormFeedback.Valid
301 .....   ),
302 .....
303 .....   // Set the updates to static variables.
304 .....   Set(updatesFeedback,Patch(Defaults('App Feedbacks'), FormFeedback.Updates));
305 .....   // Submit the first form. Subsequent actions can be found in the OnSuccess properties of each
306 .....   SubmitForm(FormFeedback);
307 .....
308 .....
309 .....   Notify("Please complete all fields before proceeding",NotificationType.Warning,2000)
310 ..... )
311 .....
312 ..... Icon2 As icon.Check:
313 .....   Icon: =Icon.Check
314 .....   Color: =RGBA(255, 255, 255, 1)
315 .....   PressedColor: =ColorFade(Icon2.Color, -20%)
316 .....   HoverColor: =ColorFade(Icon2.Color, 20%)
317 .....   DisabledFill: =Icon2.Fill
318 .....   PressedFill: =Icon2.Fill
319 .....   HoverFill: =Icon2.Fill
320 .....   X: =btnAction_17.Width/2 - 60
321 .....   Y: =Parent.Height/2 - 15
322 .....   Width: =30
323 .....   Height: =30
324 .....   PressedBorderColor: =ColorFade(Icon2.BorderColor, -20%)
325 .....   HoverBorderColor: =ColorFade(Icon2.BorderColor, 20%)
326 .....   FocusedBorderColor: =Icon2.BorderColor
327 .....   ZIndex: =7
```



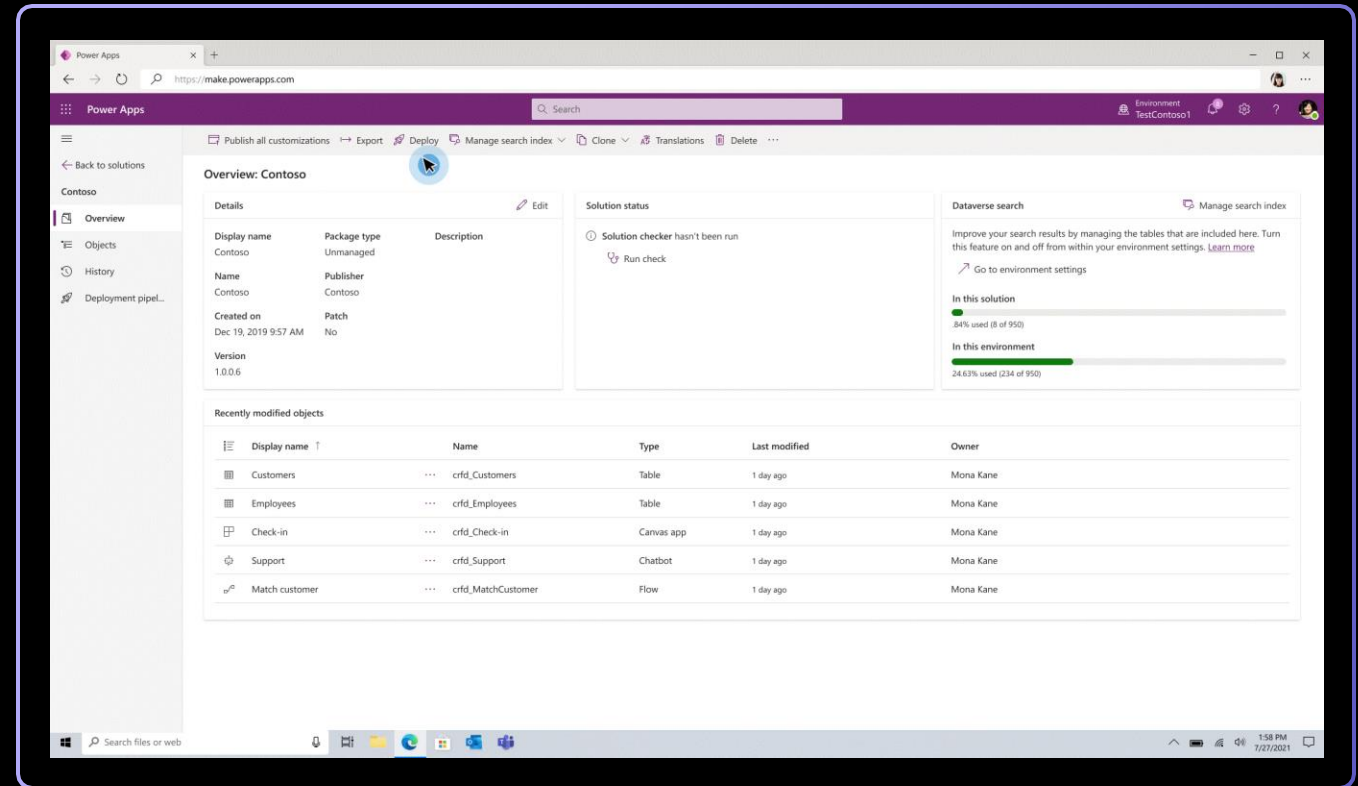
Power Platform Pipelines

Built-in deployment
pipelines reduce friction,
deliver more visibility,
and simplify collaboration

Configure deployments without leaving the
low code experience

Validates dependencies, what-if deployments,
and built-in audit trail covering all activities

Reduce friction and improve collaboration for
fusion teams





Synapse Link in Dataverse

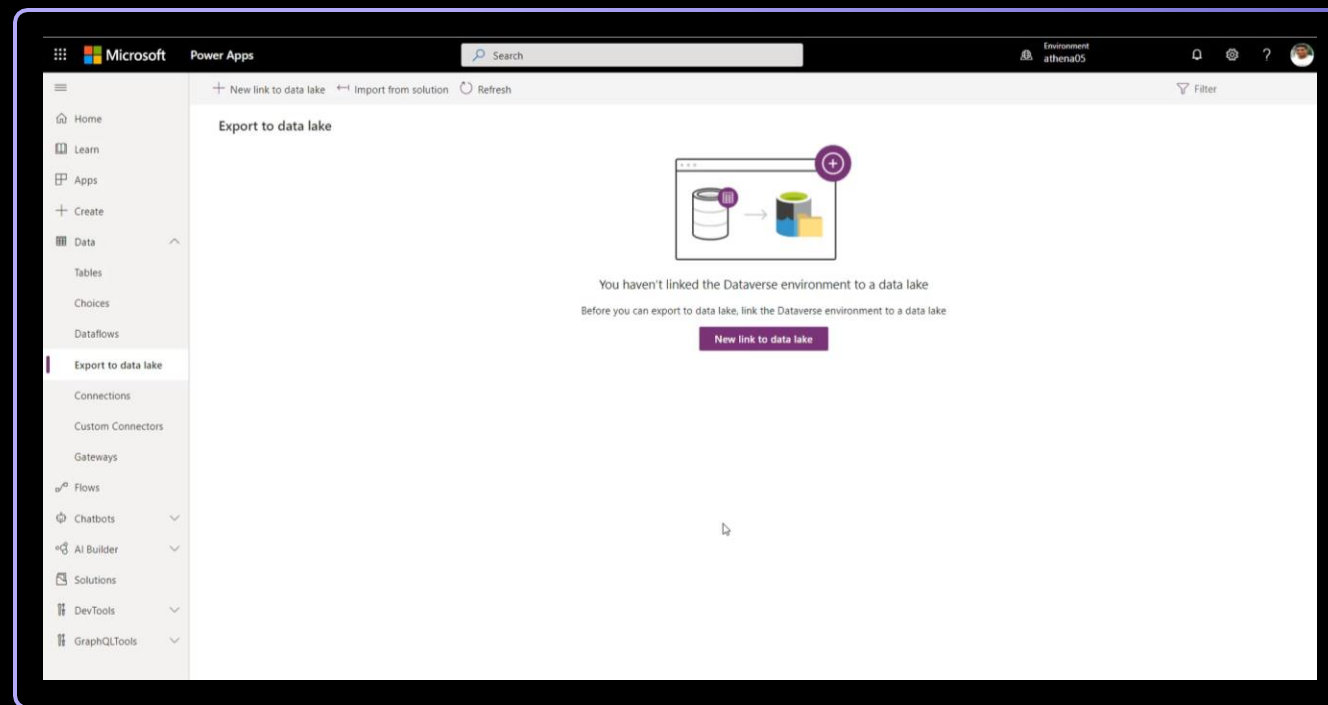
Bridges apps and Synapse

One click configuration

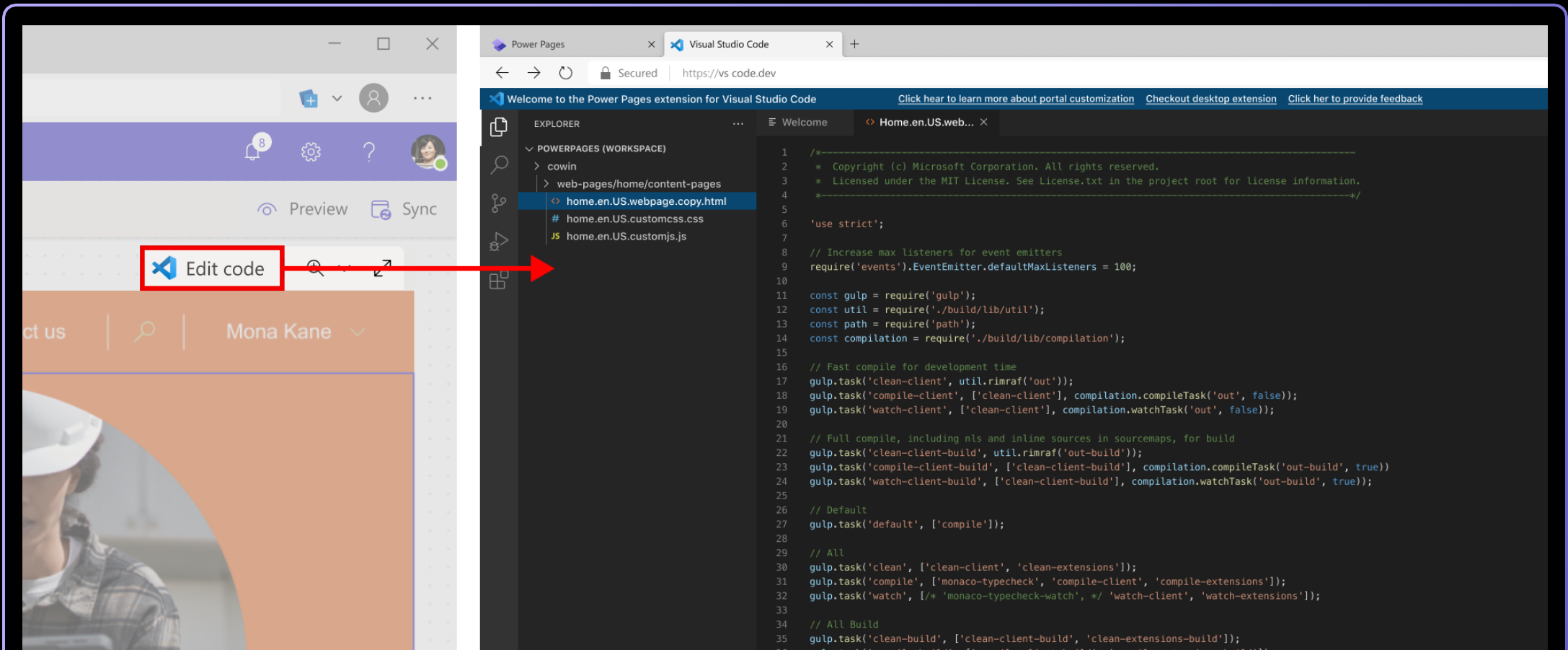
Synapse Link enables real-time replication
from Dataverse to a Synapse workspace

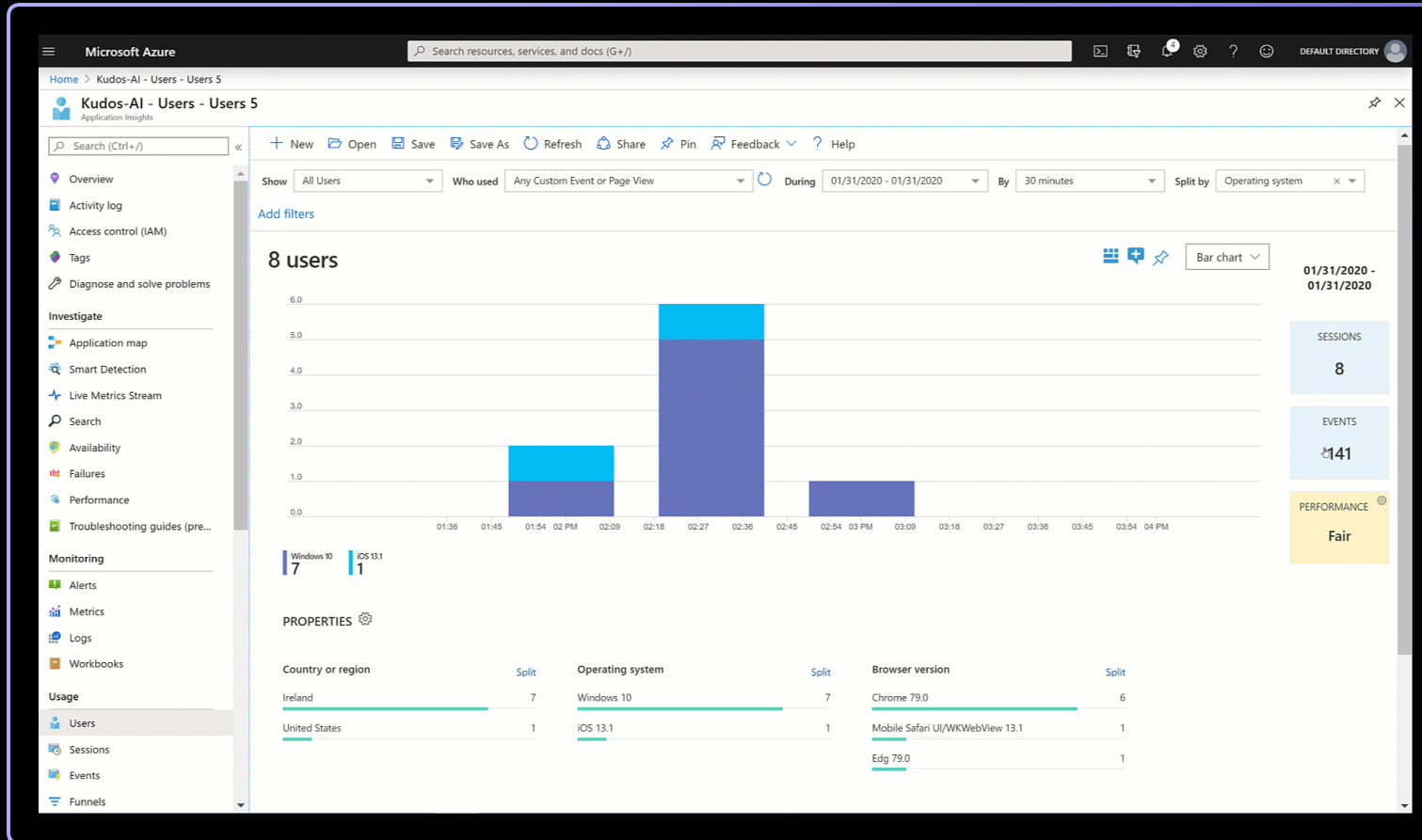
Carries Common Data Model format and
metadata from Dataverse to Synapse

Supports all transactional apps built on
Dataverse (Power Apps, Dynamics 365, etc.)



Power Pages: Best-in-class Pro-dev tooling





Azure App Insights + Power Platform

Associate Azure App Insights with a canvas Power App

Telemetry around usage, performance, sessions, and feedback automatically sent to App Insights

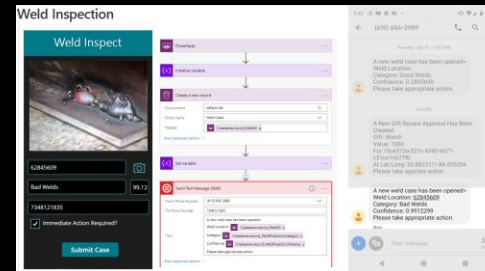
Data connectors



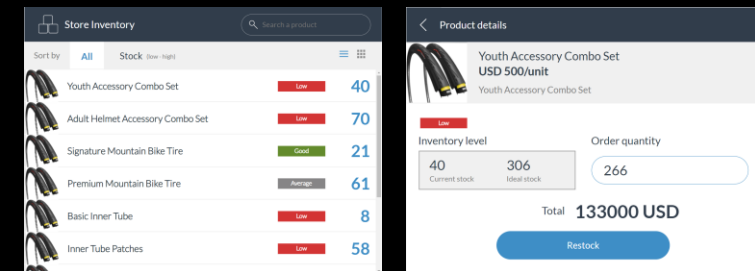
SAP connectors & templates

Build even more compelling experiences with SAP

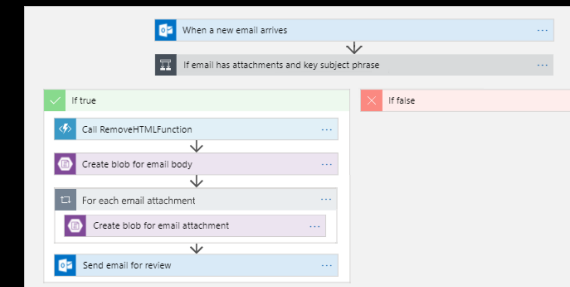
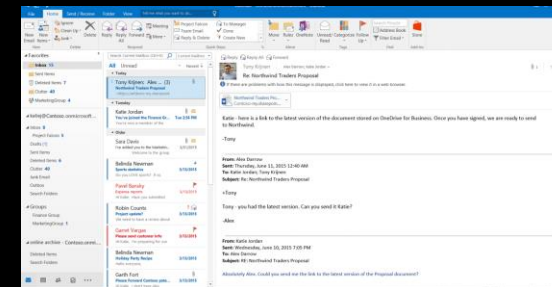
Inspections



Inventory Checks



Order processing from Email



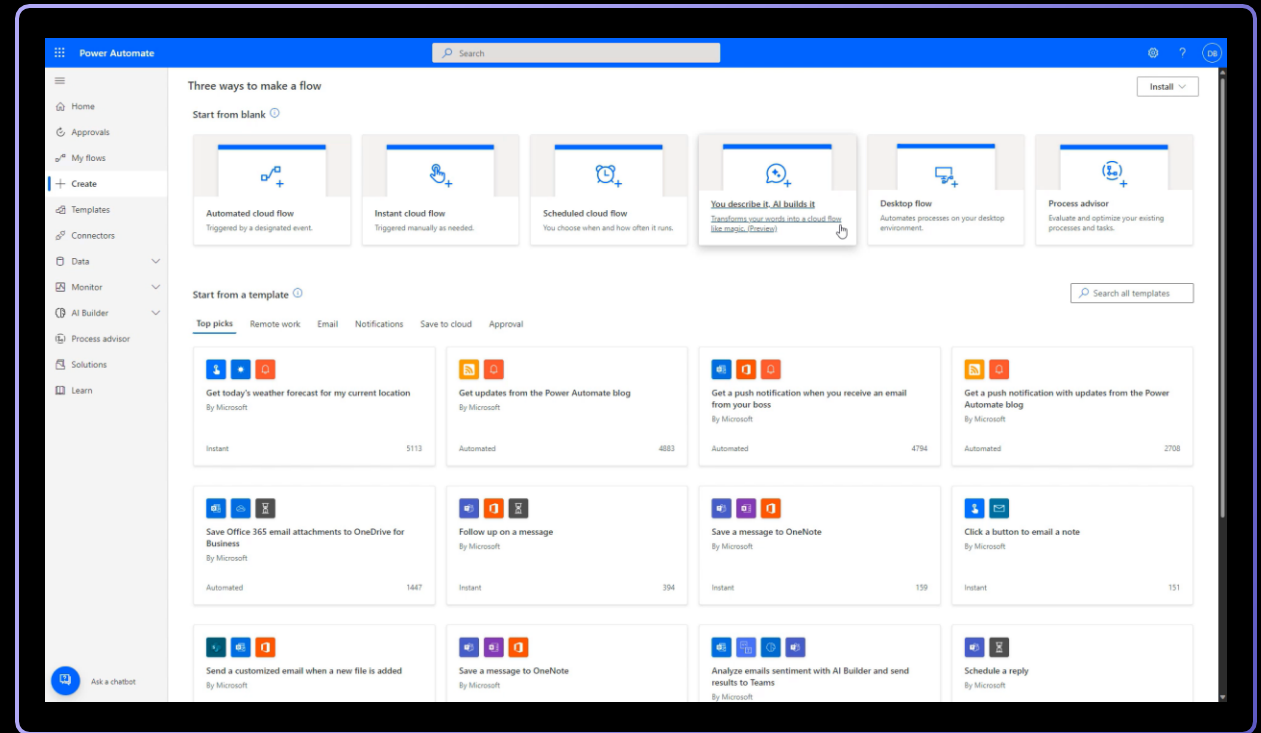
Moving from **AI** in the loop to
humans in the loop





Power Automate AI copilot

Describe what you want to
automate in a sentence, and an
AI copilot will build it in seconds
(built on GPT-3 + Codex)



...and there is a lot more coming
in the next few months



"Big AI"
will define the next decade

In the future

**From people working
side by side**

In the future

From people working
side by side

To people working
side by side with AI

Get started today

aka.ms/lowcode

Thank you

