CONVERGENCE | AI + ERP

MIAMI | 2025

Power Platform: Innovation across apps, automation, and portals

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Microsoft

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Agenda

Intelligent App Modernization

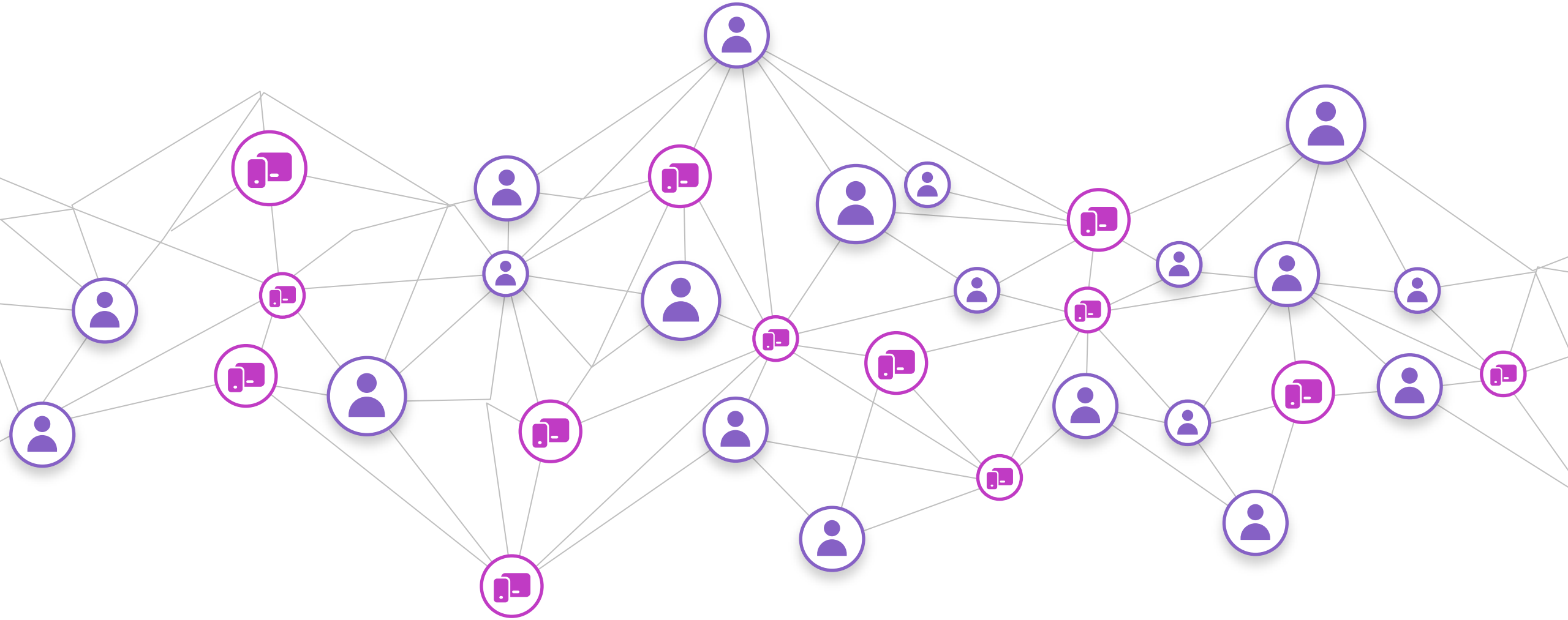
Optimize with Hyper Automation

Portals

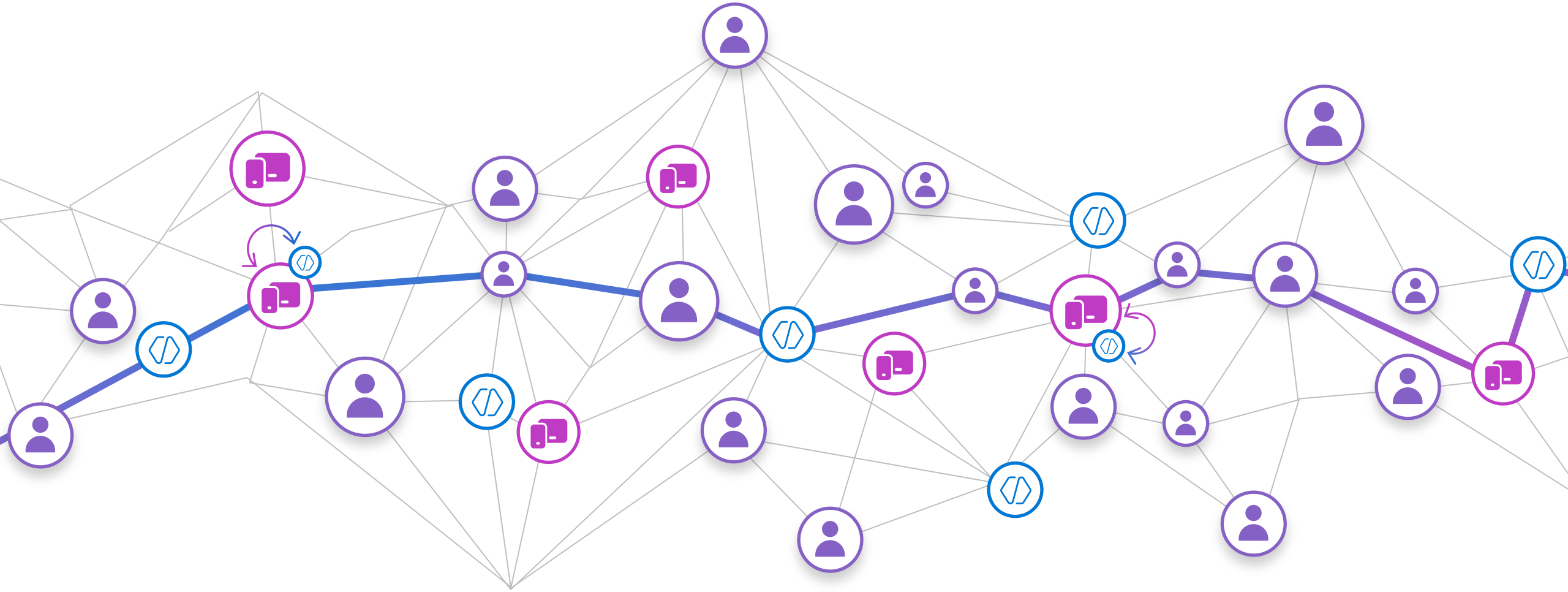
Microsoft Power Platform

Modernize with Intelligent Apps

Business processes are evolving



AI is transforming how work gets done



Journey to the frontier firm

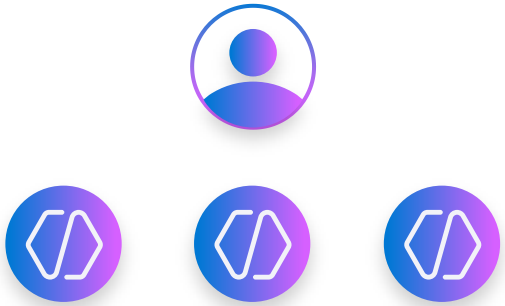
Phase 1

Human with assistant

Every employee has an AI assistant that helps them work better and faster

Phase 2

Human-led agents



Agents join teams as "digital colleagues," taking on specific tasks at human direction

Phase 3

Human-led, agent-operated

Humans set direction and agents run entire business processes and workflows, checking in as needed

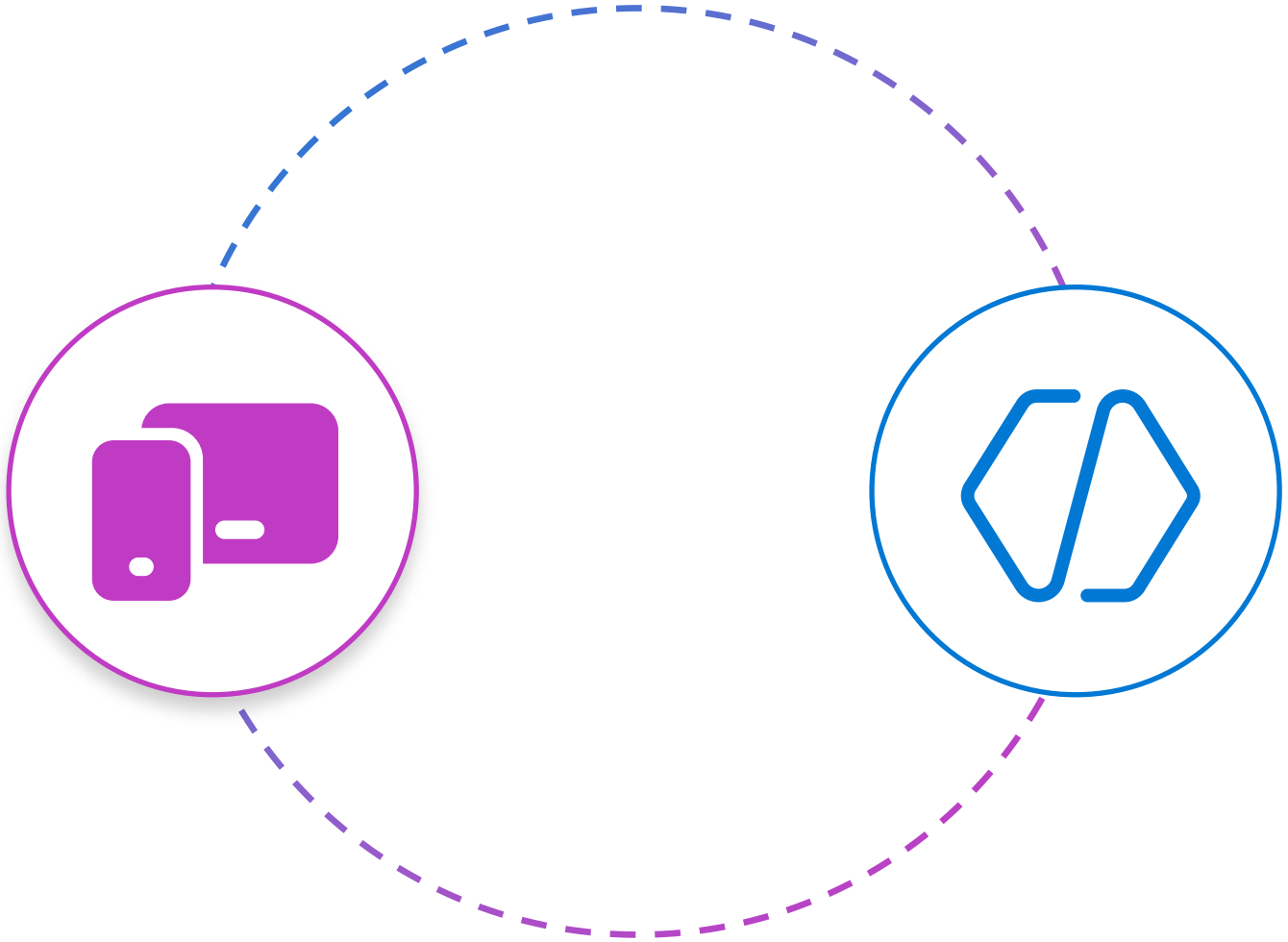
Workforce is getting augmented

1.3B

AI agents by 2028

1B

new apps by 2028



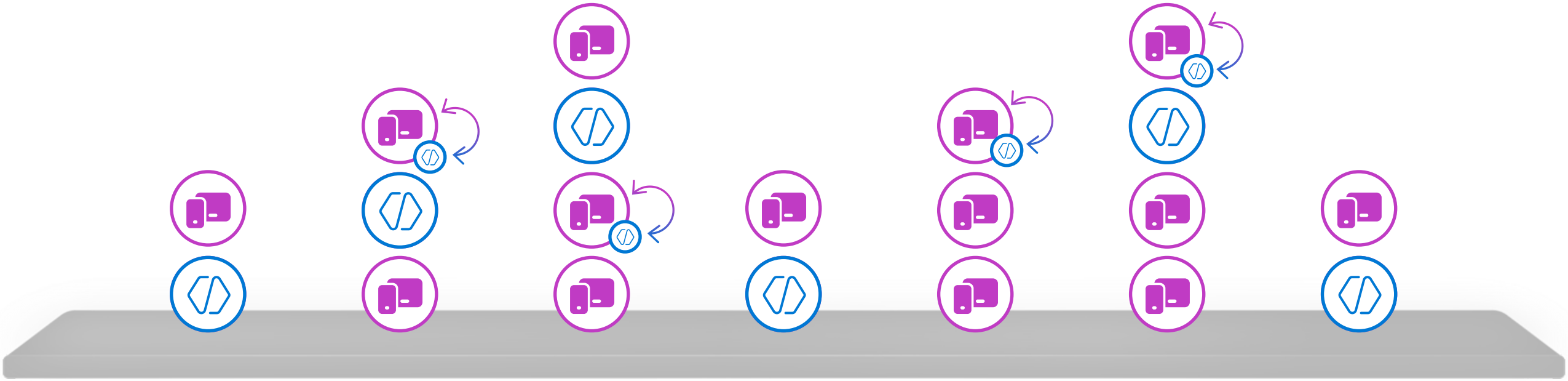
Source: IDC Info Snapshot, 1.3 Billion AI Agents by 2028, doc #US53361825, May 2025

Plan your path to modernization

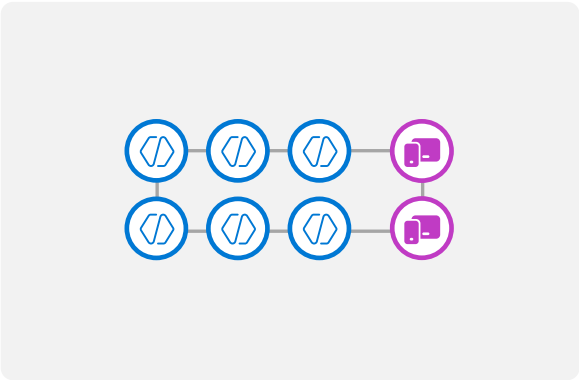
Replace
point solution SaaS

Reinvent
legacy apps

Reimagine
app experiences

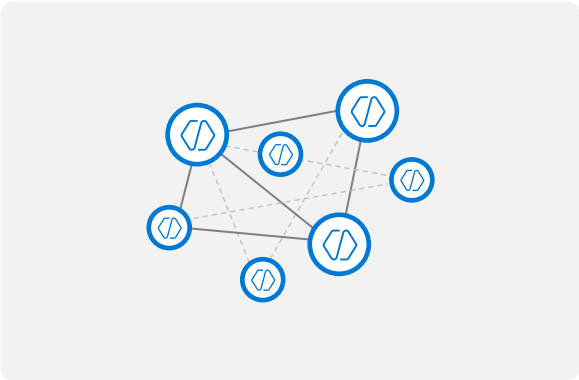


What do we need now to get there?



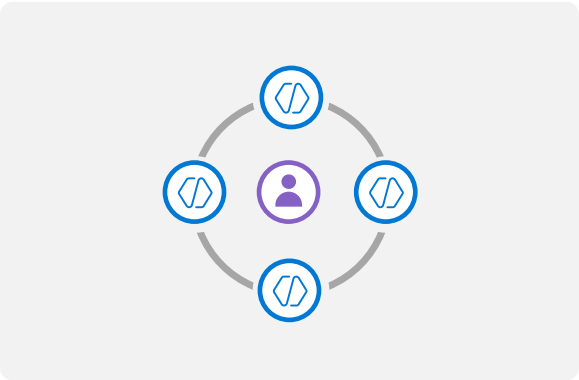
New interfaces for people + agents

Power Apps



Many agents working together

Copilot Studio



Enterprise-grade management

Managed Platform

Building the foundation for your AI transformation

User experiences	Applications	Web portals	Chats	Analytics	Collaboration tools
Automation	Robotic process automation (RPA)	Digital process automation (DPA)	Business process management (BPM)	Process mining	
Orchestration	Agents				
Data	Productivity	Line of business	Cloud services	Legacy on-premises	
Foundation	Governance	Operations	Security	Compliance	

Building the foundation for your AI transformation

User experiences	Power Apps, Power Pages, Copilot Studio, Power BI, Microsoft 365, Microsoft 365 Copilot
Automation	Power Automate, Copilot Studio
Orchestration	Microsoft 365 Copilot, Microsoft Copilot Studio
Data	Microsoft 365, Dataverse, Connectors
Foundation	Microsoft Azure, Azure AI Foundry

Value of building with low-code and Power Apps

Low-code idea: more creators and accelerated development

Digital transformation is powered by people

Makers

4x

Non-developer business experts that use low-code to create all or part of a solution

Code-First Developers

Code-first developers that decide the most effective mix of code, low-code, and no-code elements.

IT/Admins

IT/technical professionals who help setup and maintain safe and operating environment for solutions to be made and used

Low-code moves part of development responsibility: Business users can create more apps than experienced developers in the coming years, they can unburden the code-first developers from simpler projects.

A platform for all

Code-first developer, citizen developer, IT administrator… we've got you!

Complex → Simpler

World class developer support and ALM for professional developers

Experience the full range of development and ALM functionality with rich code-first developer tools like Visual Studio and DevOps

Reuse your current IP and skills – Power Apps component framework, CLI and VS Code create instant value for the business

IT administrators can monitor and manage experiences in one place with admin center

No compromises on governance and security. One centralized view and management of all your 1st & 3rd party apps, eliminating shadow IT

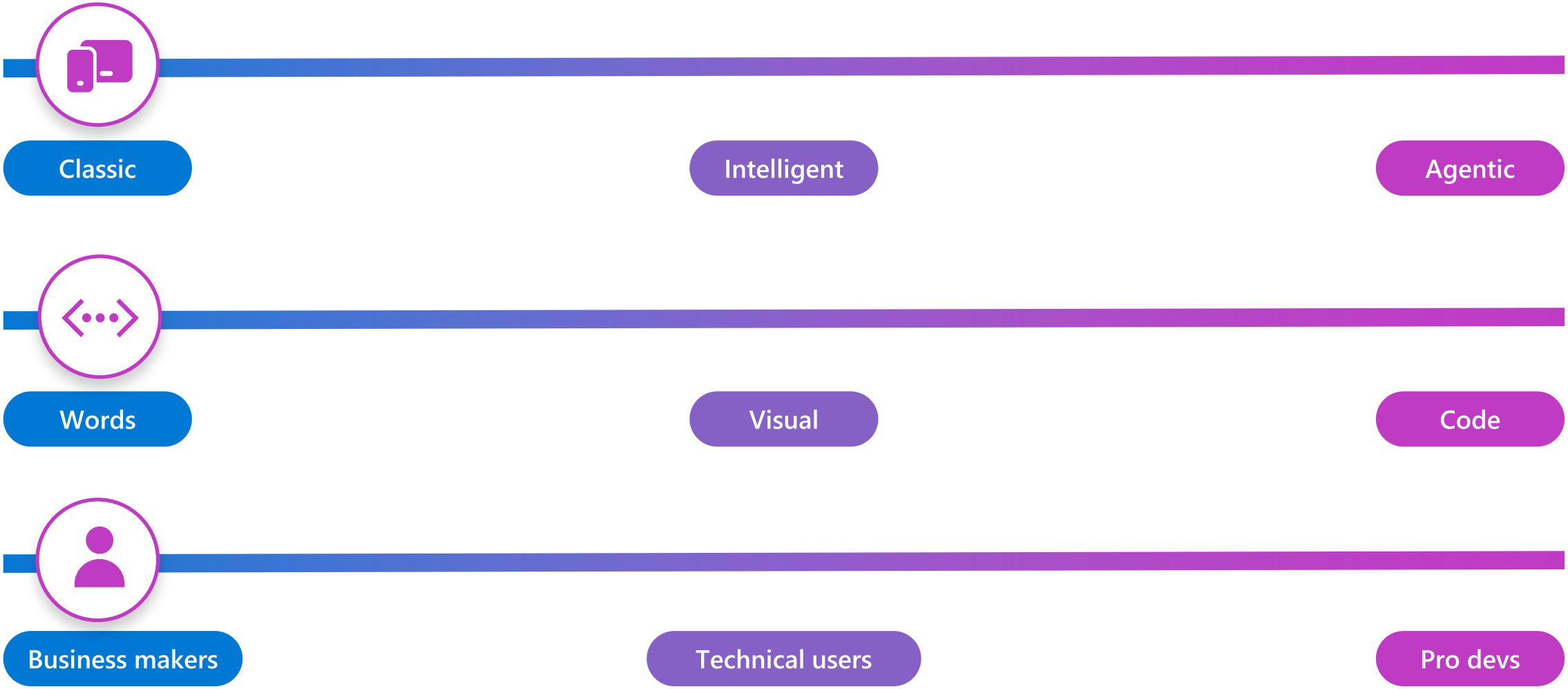
GDPR compliance, and enterprise grade security, consistent with the experience across M365 & D365

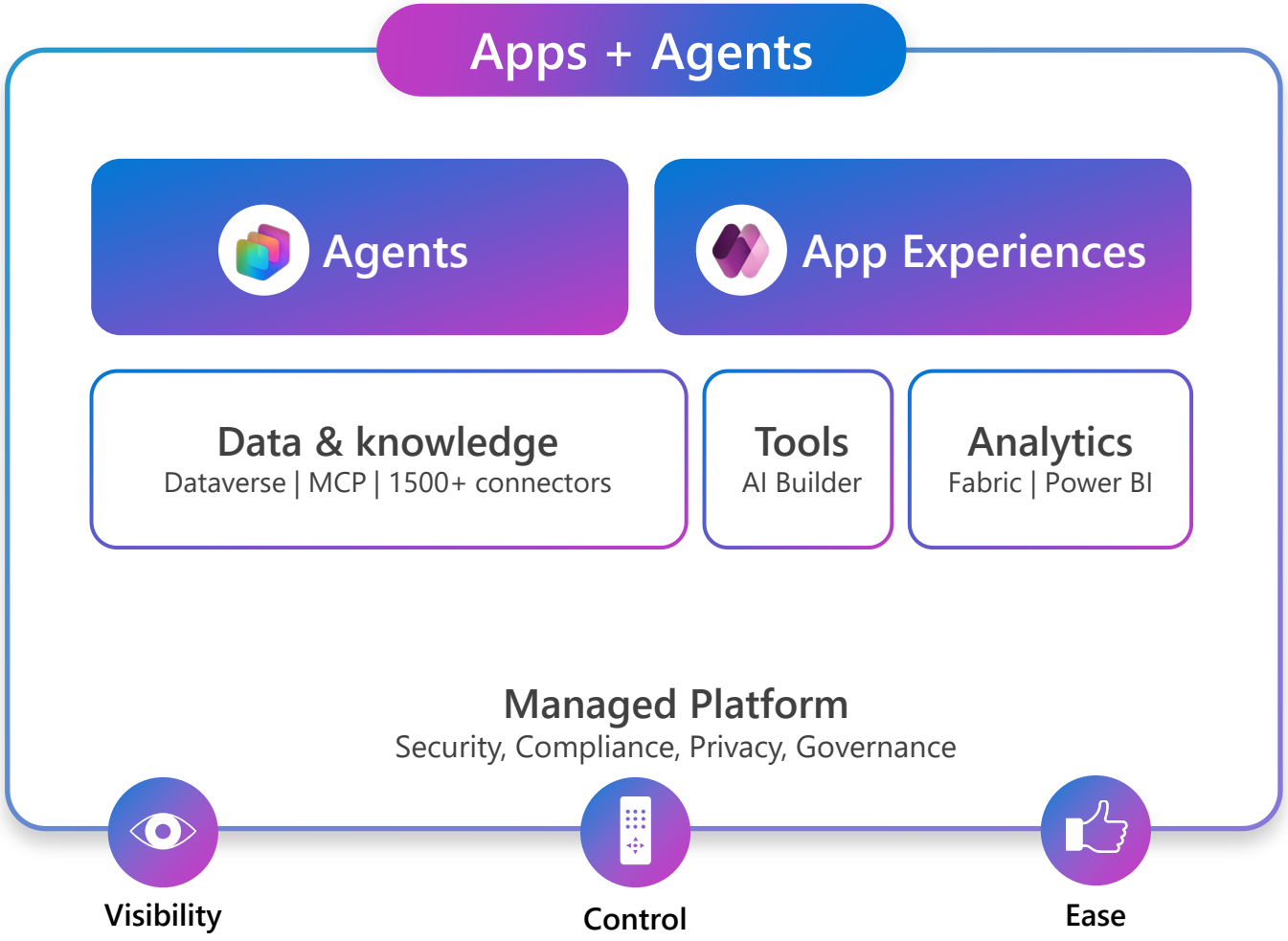
Intuitive to use for learning or enhancing the experience of all developers

Build apps fast with Copilot assistance, use visual tools and point-and-click approach to app design and have time for more complex projects. Choose from a large selection of templates or start from a blank canvas

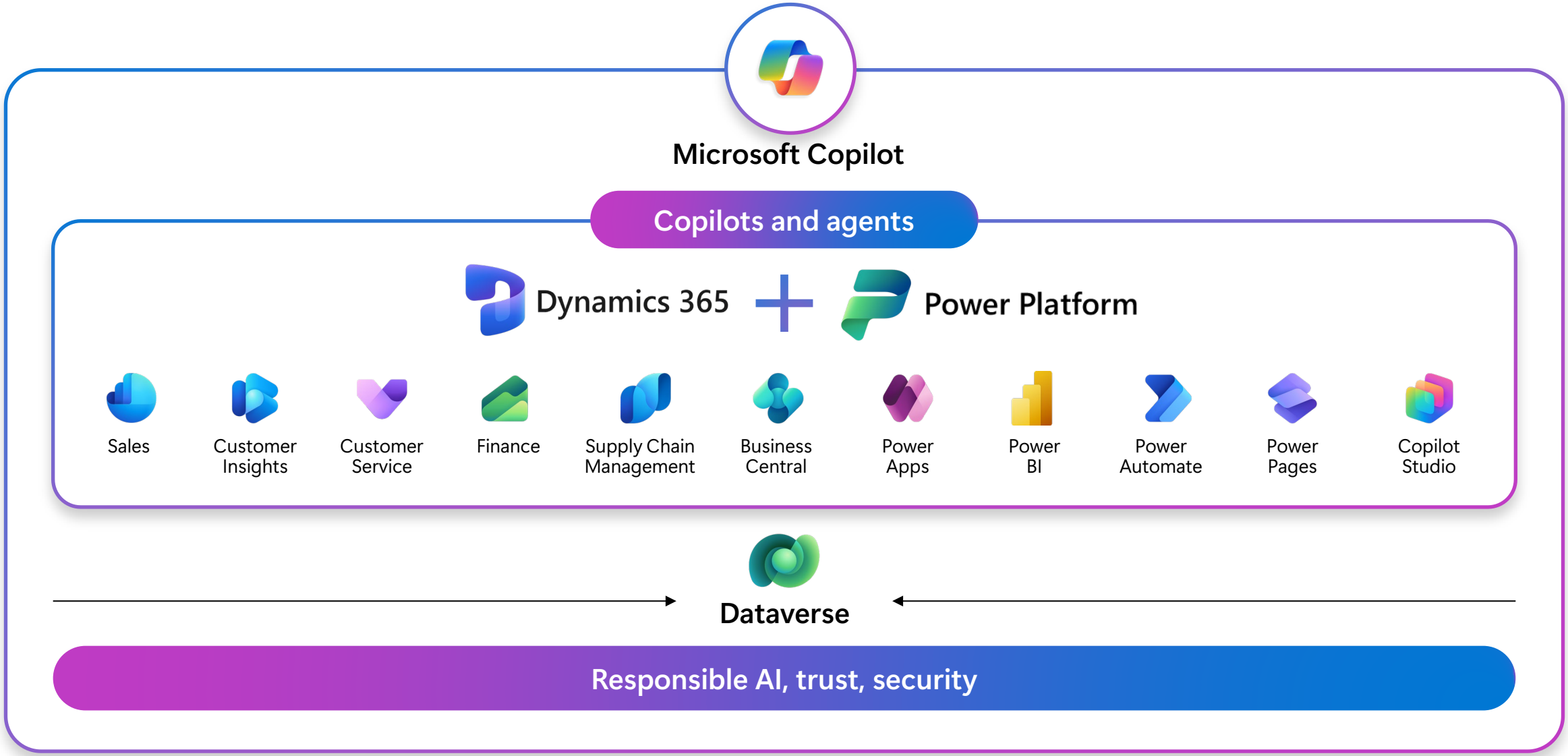
Easily connect your app to data and use Excel-like expressions to simplify adding logic

No matter what you build, how you build and who builds, Microsoft Power Apps is here to cover



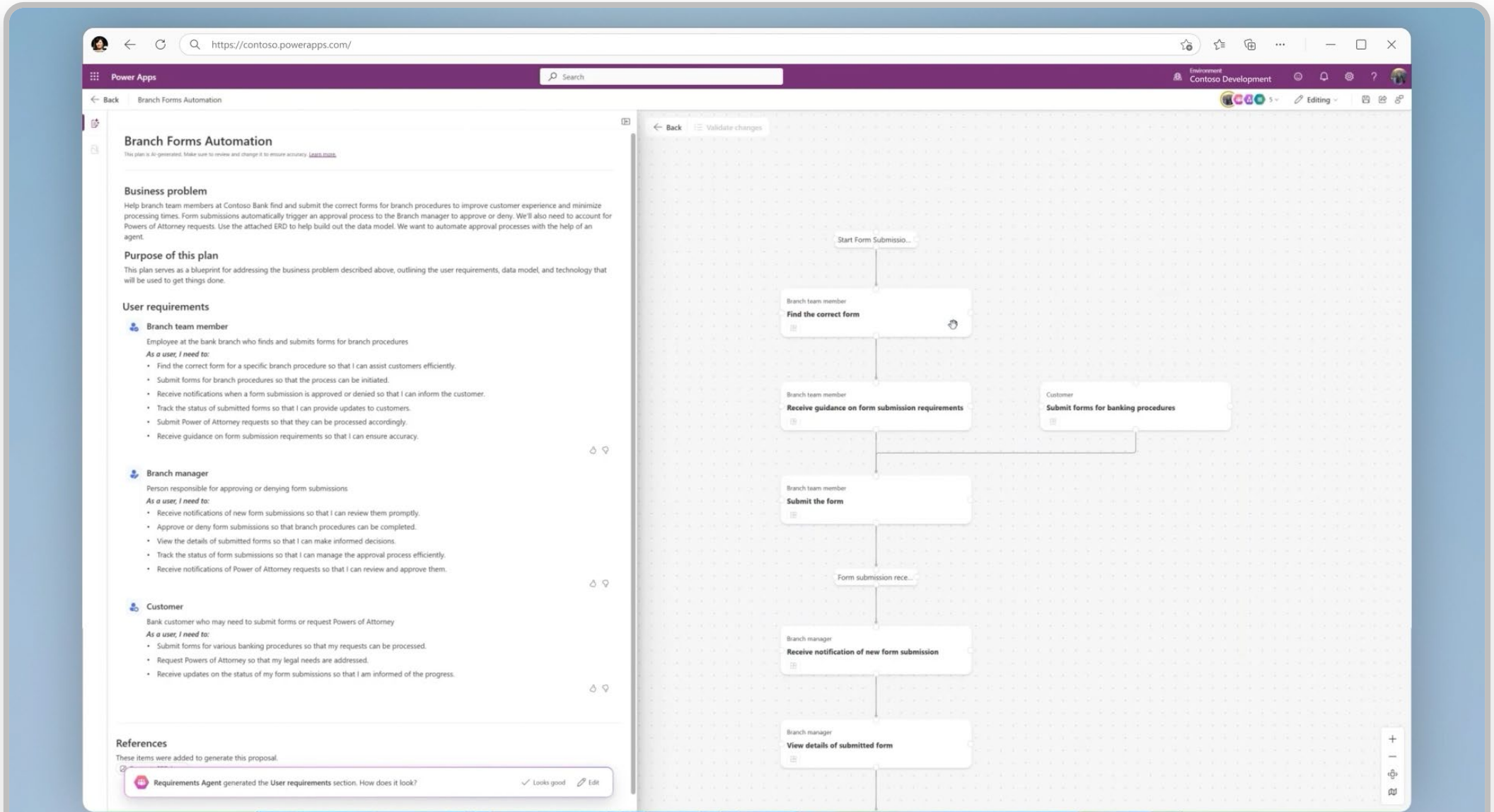

Apps + Agents
Agents
App Experiences
Data & knowledge
Dataverse | MCP | 1500+ connectors
Tools
AI Builder
Analytics
Fabric | Power BI
Managed Platform
Security, Compliance, Privacy, Governance
Visibility
Control
Ease

Unified data and AI across your organization



Build plans for impactful solutions with agentic AI

Build a plan with agentic AI



Building a plan

Agentic AI guiding from an idea to solution

Requirements

Define business requirements and user roles for comprehensive plan

Process

Map and understand the process that you are solving for – edit where needed

Data

Build data schema and interactive visual map to inform your solution

Technology

Generate technology proposal including apps, portals, agents and flows

Business requirements & user roles

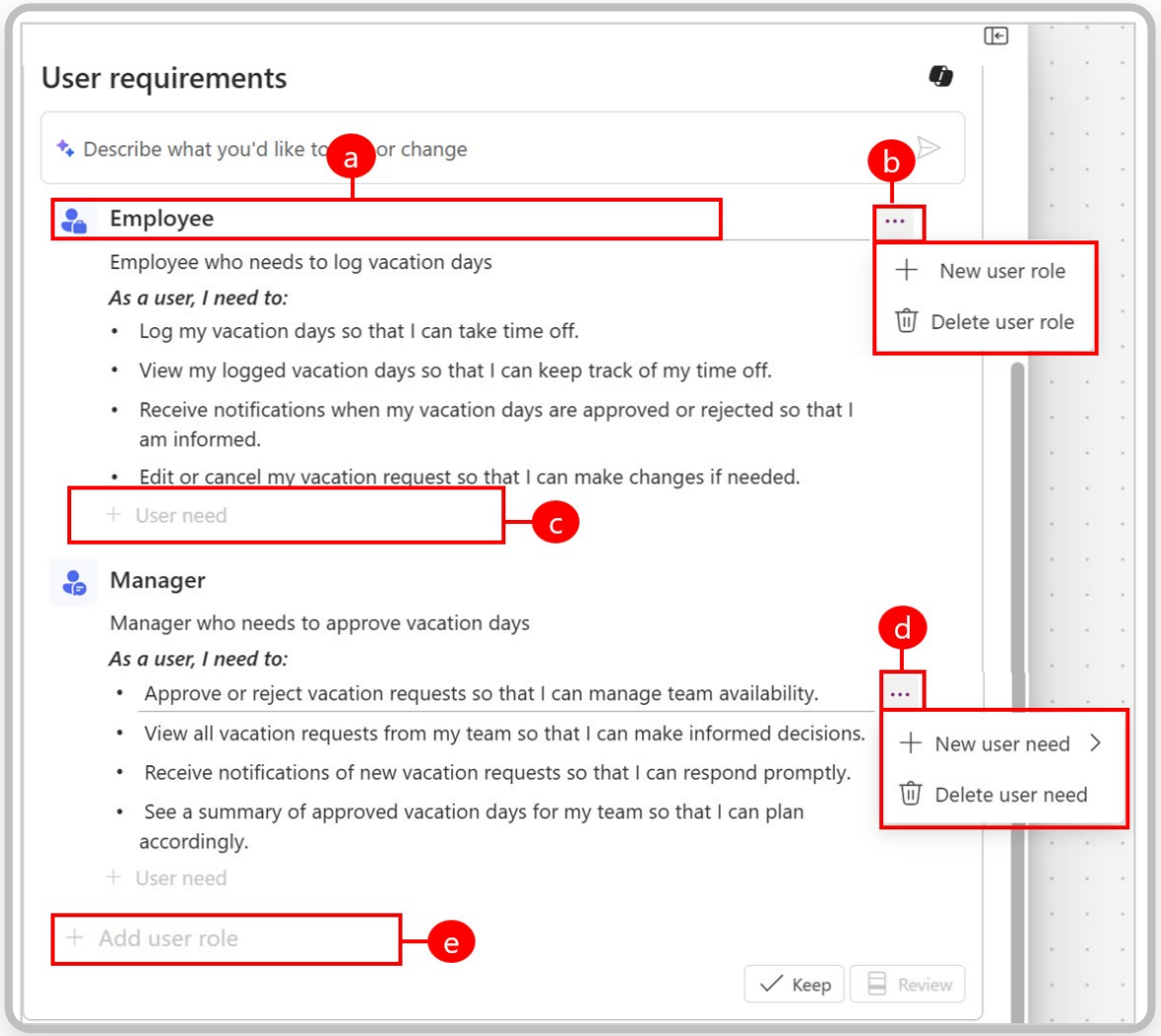
Build an understanding of the user needs and business objectives

Start from where you are: Describe what you need, add images and documents and let AI help you get to a better understanding.

Generated user roles and their jobs-to-be-done (JBTD): Agentic AI leverages user's input and LLM to generate distinct users (a) and jobs-to-be-done – that the user can further expand on, add new users or remove

Real-time collaboration: Agents and users stay in sync through timely notifications, status updates, and contextual prompts. Multiple people can view the same plan withing canvas, with a single editor.

Actionable intelligence: The feed surfaces insights, suggestions, and automation triggers, empowering users to act quickly—prioritizing and unblocking agentic flows.



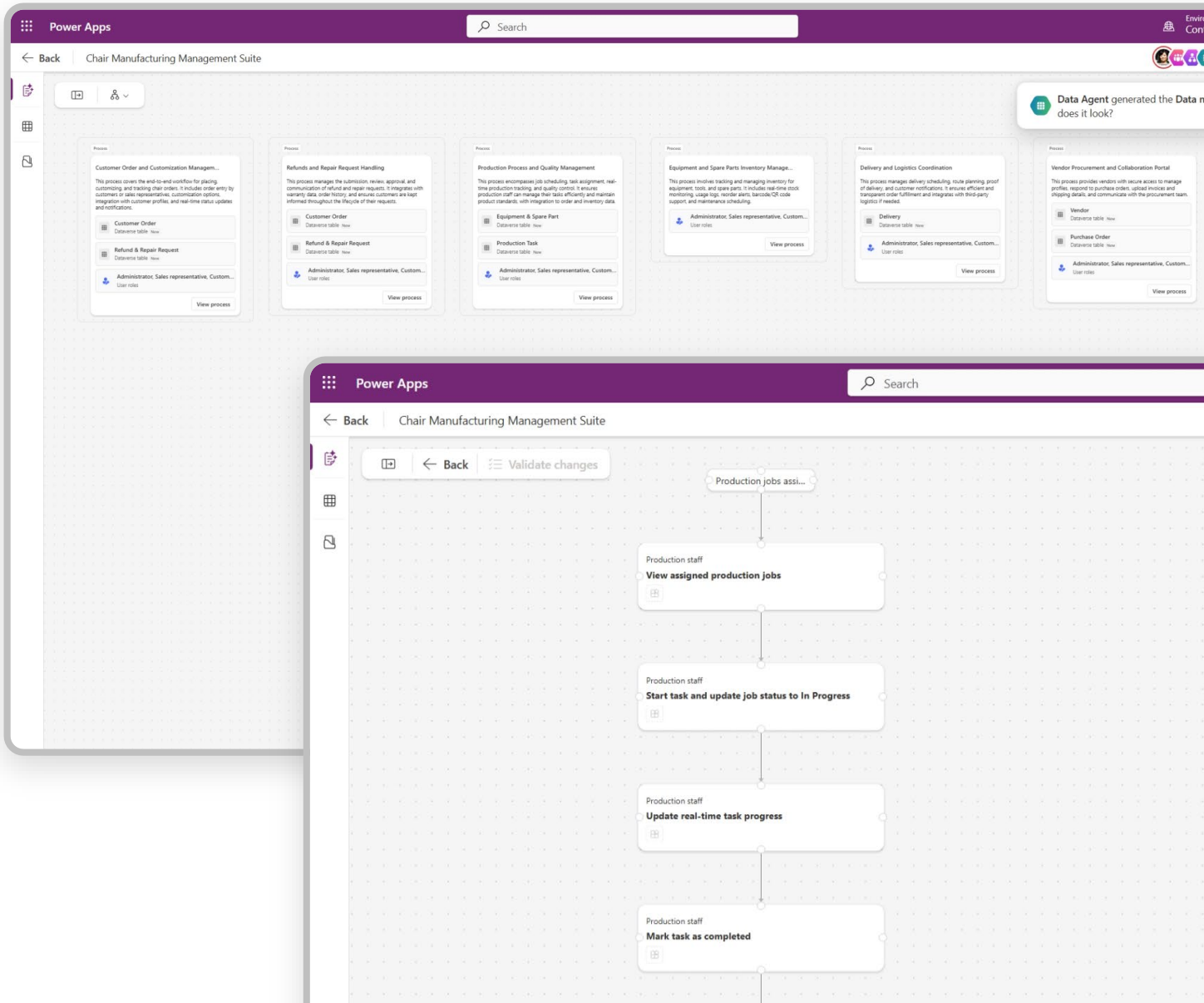
Process

Get an end-to-end view of processes that you are solving for

Process overview: generate high-level processes included in your idea or business problem requirements

Drill down in the editable process flow: Review and edit the process steps for each of the processes – get to the right flow before you build technology.

Secure: Data Workspace includes robust security features such as column-level data masking, user-level access controls, and malware scanning. It supports secure app access, prevents data exfiltration, and aligns with ALM best practices by preserving security roles during solution imports.



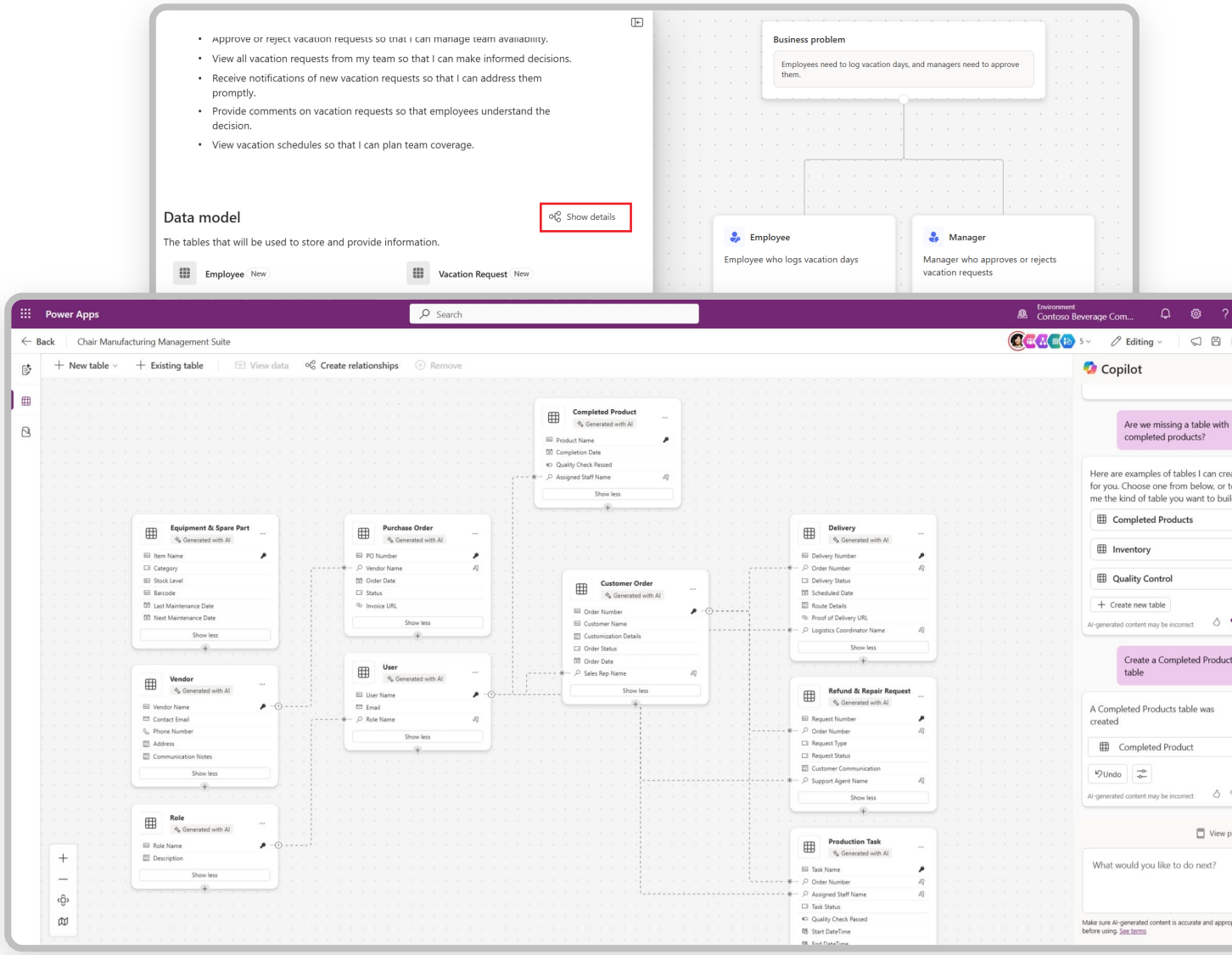
Data model and tables

Let AI agent generate your data model, iterate to perfection

Data workspace: Create tables, configure table relationships, and can view a diagram of your data – get accelerated with an AI generated model and customize to match your needs.

No-code data integration: Dataverse with features like AI-assisted mapping, direct Excel-to-table loading, and integration with Fabric OneLake—without requiring ETL or data duplication. This streamlines data onboarding and reduces friction for business users and developers alike

Let AI build what's missing: Tell Copilot in Power Apps what tables you need, what relationships are missing – no need for manual creation.



Technology proposal

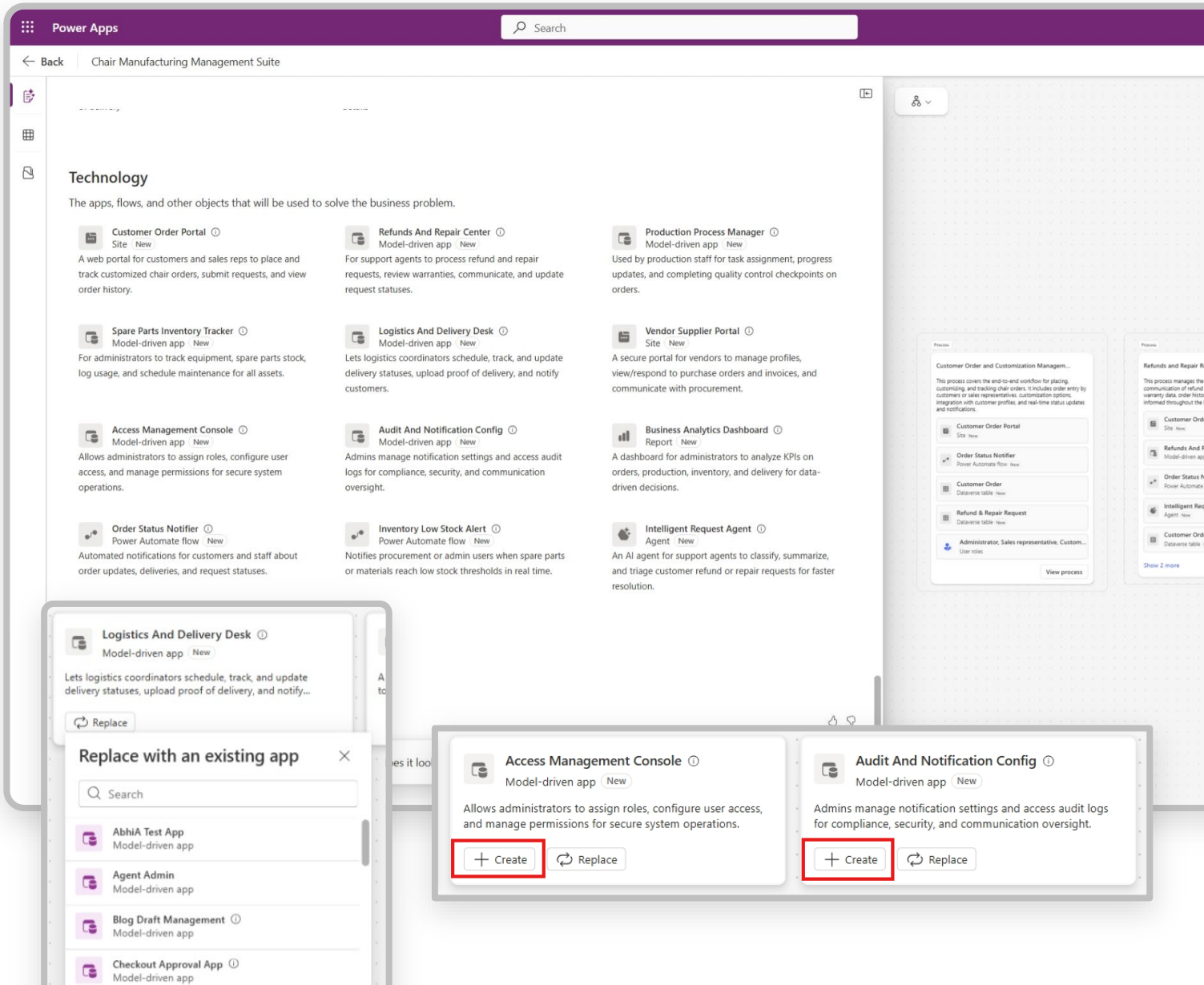
Impactful end-to-end set of technology - ready to build

Interconnected set of artifacts: The agentic AI suggests a set of artifacts that work together to support the processes and users – all leveraging the connected data.

Easy to integrate with existing apps: When parts of the technology exists, simply add them to the plan. No need to recreate what works.

Always see the big picture: T

From plan to build with a single click: Plan includes context and information that you easily carry over to the building experience – whether building apps or agents – speeding up the time to value.

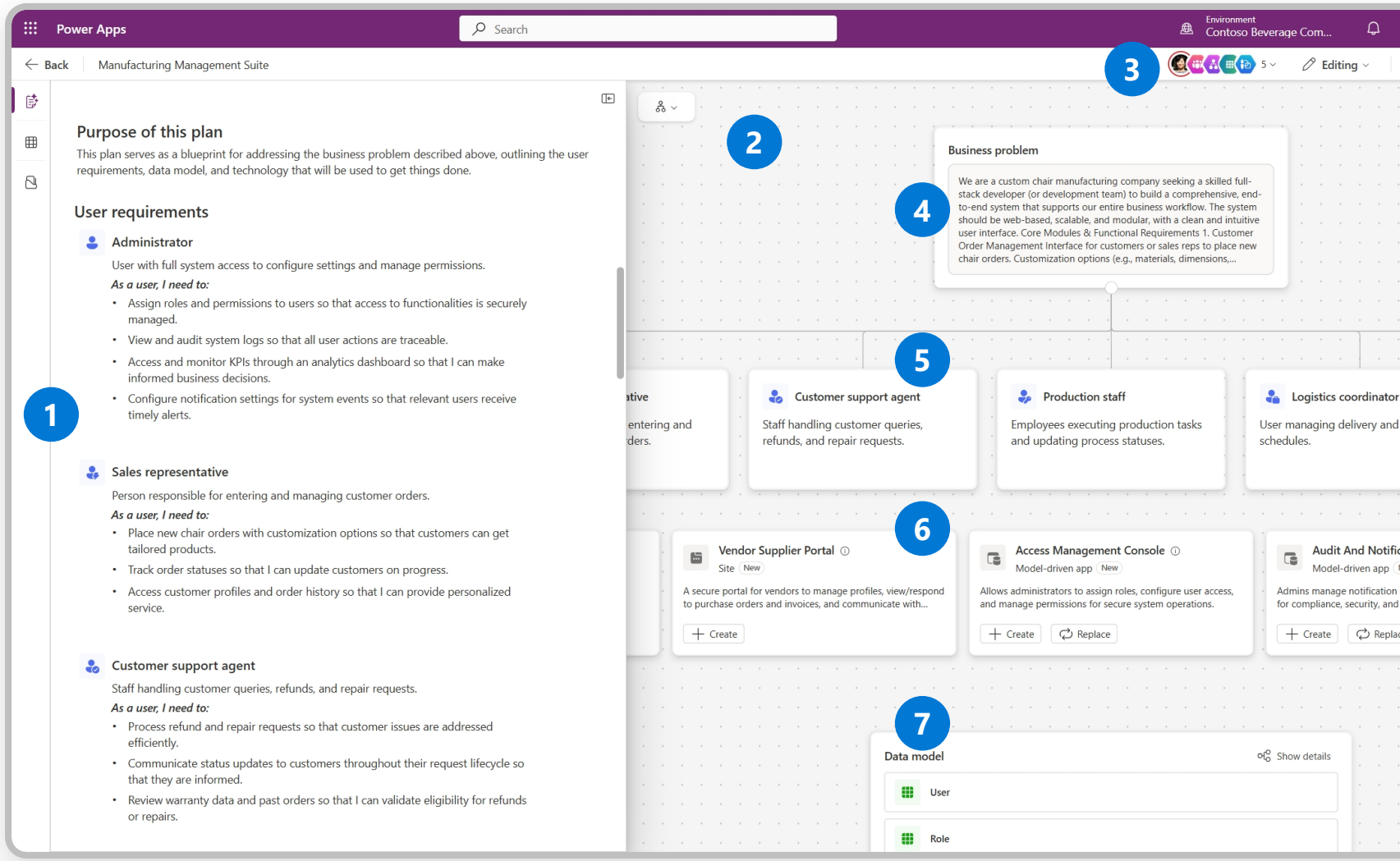


Workspace for building plans

Building a plan in a single workspace

Always the latest build, work in browser wherever you are

1. Plan document
2. Visual canvas spaces
3. Co-presence indicators
4. Business problem summary
5. User personas
6. Suggested technology
7. Data tables



Build apps using AI

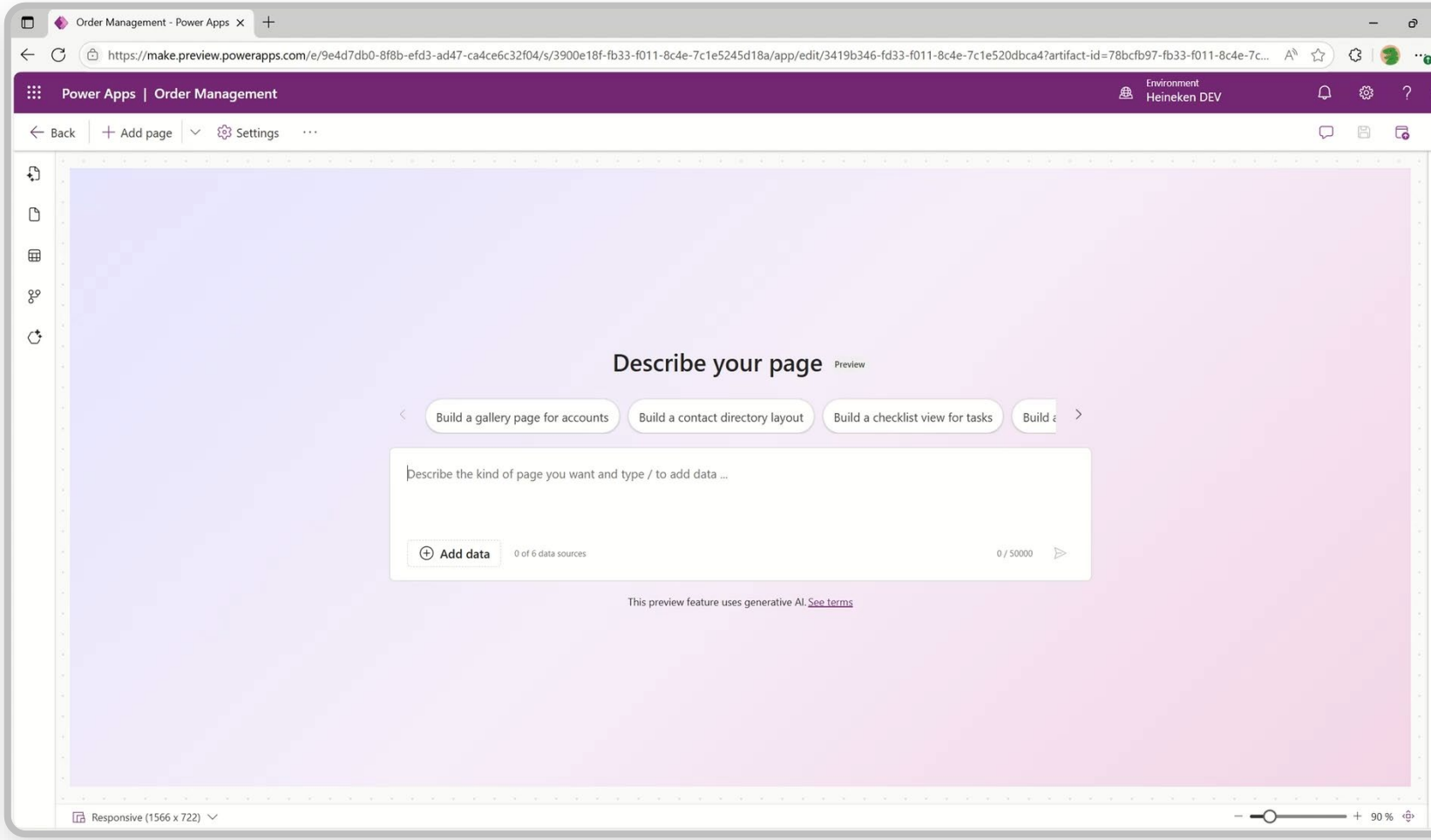
Build apps and pages from just words

Speed and flexibility of vibe coding meets reliability of a robust enterprise platform.

Describe your page and get fully custom user experience in native React code

Unlock new experiences within low-code apps in seconds and iterate get exactly what you want

Build full apps or specific screens for larger solutions by adding an AI generated page.



* Available via Early Access Program at https://aka.ms/PowerAppsEAP

Demo: Vibe Coding an App

Build apps using visual low-code studio and agent-powered functionality

Infusing AI in low-code since 2019

Power Platform AI integration is fueled by breakthrough research

2019-2022

Power Apps
Natural language to Power Fx formulas
Image & Figma to app

Power Automate
Natural language to flow, format data by examples

Power BI
Natural language to DAX Quick Create

AI Builder
Bring AI to Power Platform

2023-2024

Power Apps
- Copilot in Power Apps
- Copilot helps create rich data models
- Copilot helps with formulas
- AI assistance with data models
- **Agent builder in Power Apps**
- **Build a plan with agentic assistance**
- Oversee agent actions in apps (user view)
- Copilot for users
- End-user fill forms with agentic assistance
- End-users chat with Copilot in apps

Power Automate
- Enhances natural language to flow (M365 Copilot)
- Advanced document processing with GPT
- AI recording of desktop flows
- Automation center
- Copilot for expressions
- Generative document processing
- AI-powered suggestions
- Copilot in process mining

Power Pages
- Agent builder in Power Pages
- Enhanced list AI insights
- AI flows
- Structured Q&A
- ALM support

Copilot Studio
- Conversation boosters and natural language to bot (M365 Copilot)
- Build independent agents

AI Builder
Azure OpenAI model with templates

2025

Power Apps
- Visualize data in apps with Copilot
- AI generated plans include agents
- **Generative pages**

Power Automate
- Repair desktop flows with Copilot

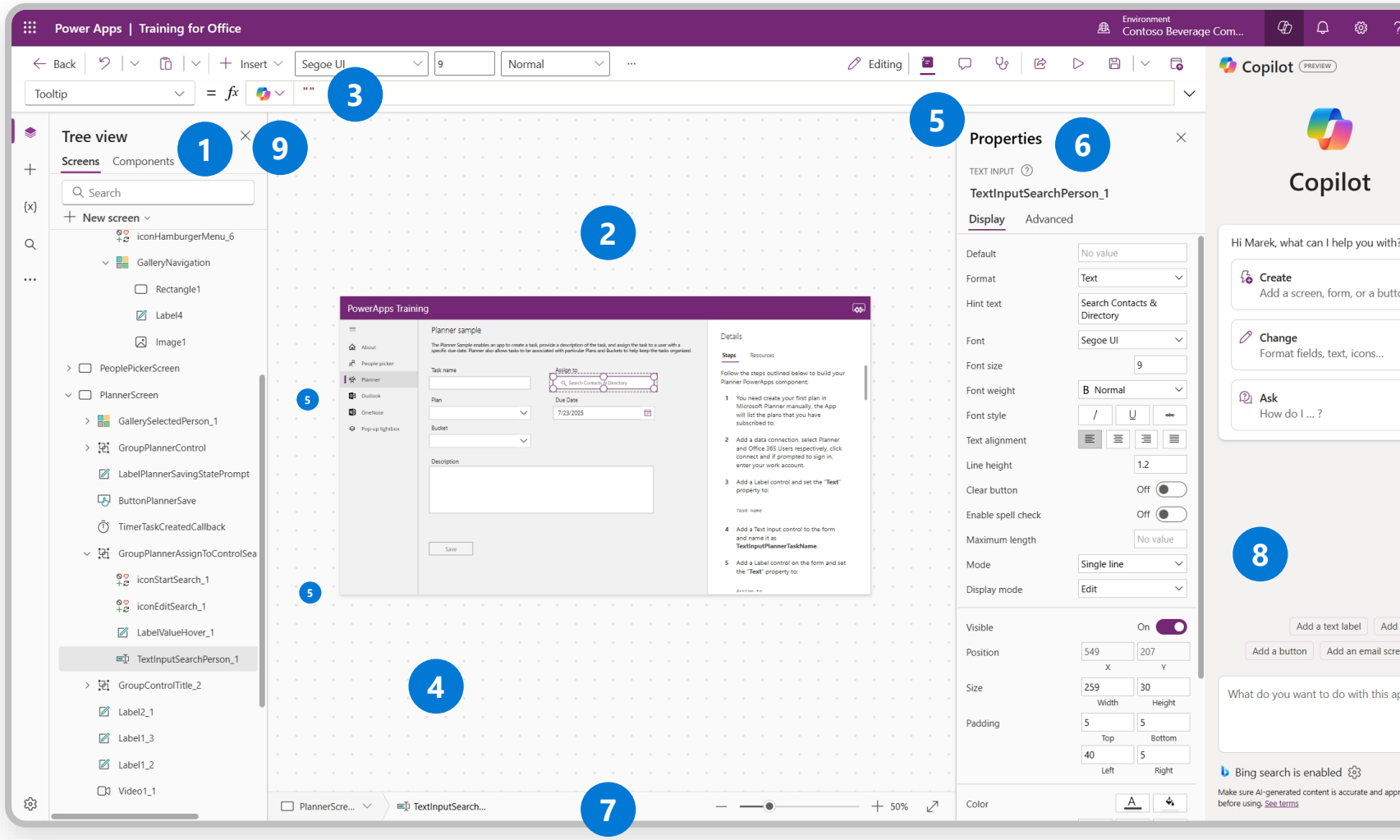
Copilot Studio
- Agent flows
- Multi agent orchestration
- Computer-using agents (CUA)
- Model Context Protocol (MCP)
- Intelligent approvals

Power Apps Studio

Authoring experience for creating Power Apps

Always the latest build, work in browser wherever you are

1. Left navigation pane
2. Authoring canvas
3. Formula bar
4. Command bar
5. Collaborators
6. Properties pane
7. Selection breadcrumb
8. Copilot in Power Apps chat
9. Copilot in Power Apps in-line help



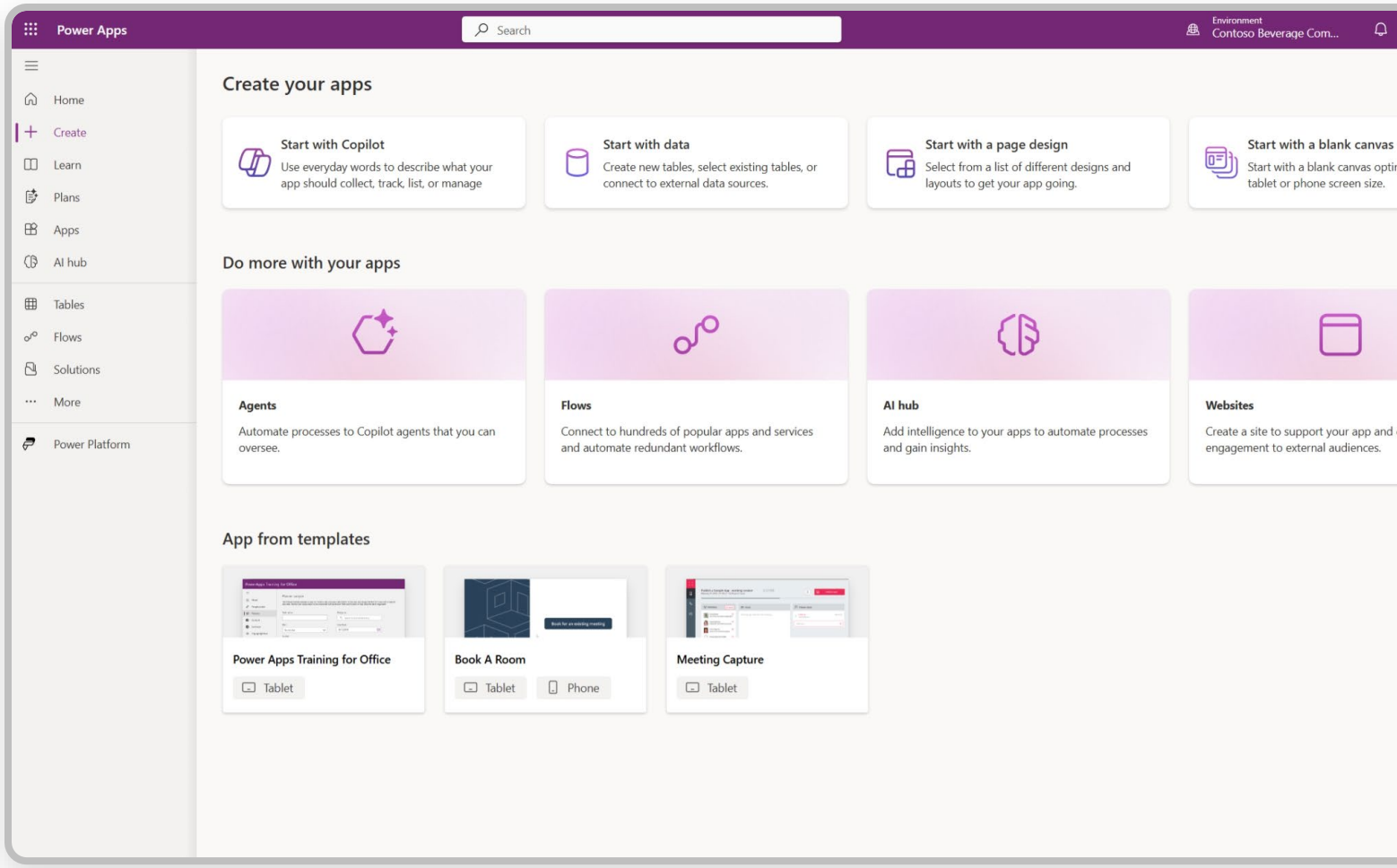
Build apps from anything

Start from wherever you like

Start your app from Excel: The ability to understand unstructured data from Excel files as inputs and turn them into structured data such as tables and apps

Start by describing your app: Use natural language to generate actions that turn alleviate the manual work of designing a user interface into a M365 Copilot-driven task

Build app from a image or Figma: Upload an image and map its elements to Power Apps components (inputs, buttons, check box, drop downs, text inputs, etc.) and see the app get build automatically.



Agent builder in Power Apps

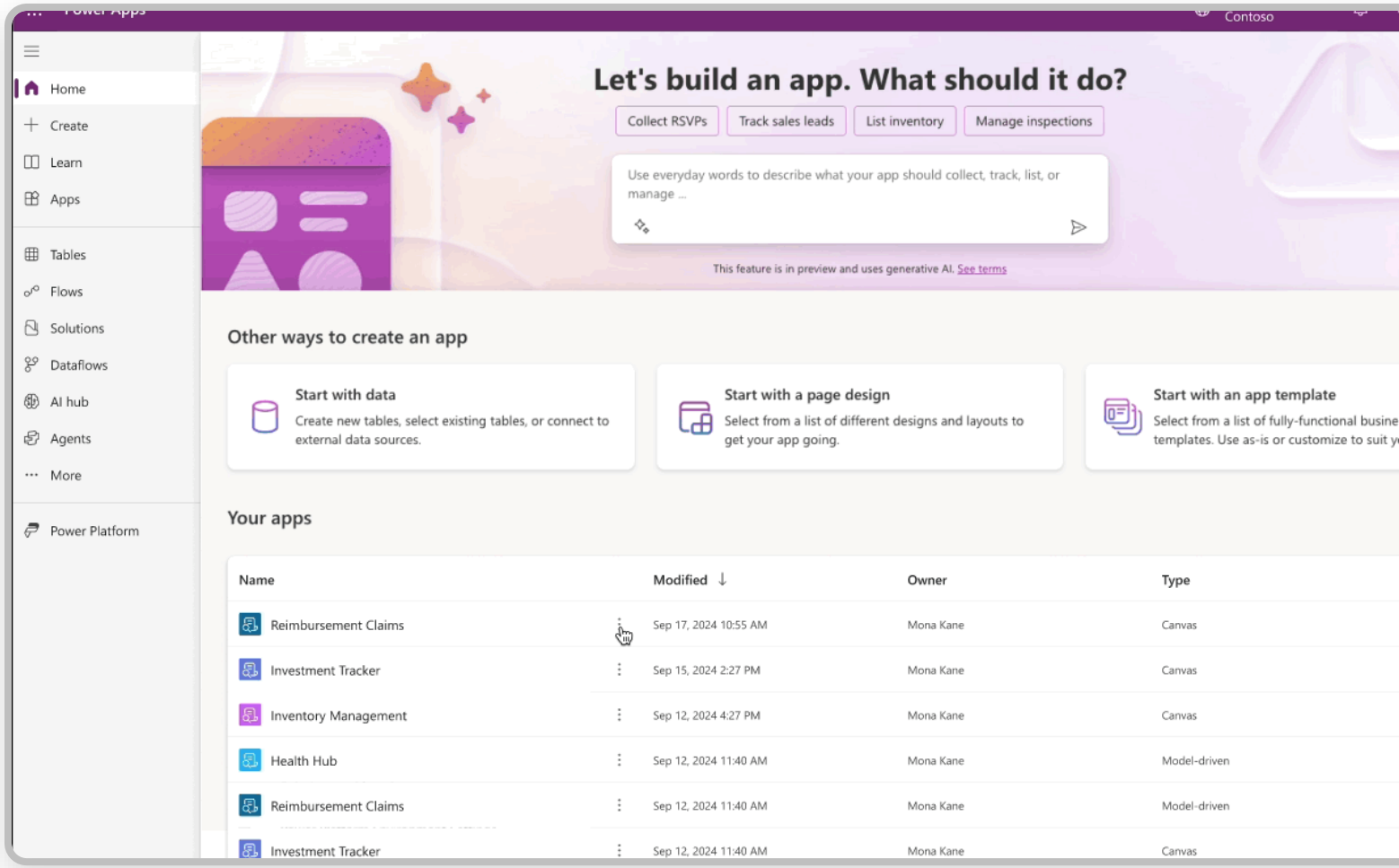
Build agents to take action on behalf of app users

Build agents for apps from within Power Apps Studio, using the agent builder - lightweight Copilot Studio experience

Leverage the logic, knowledge and actions already existing to execute tasks autonomously

At this moment agent builder is going to be available to canvas apps.

Public preview



Build with AI assistance from the start

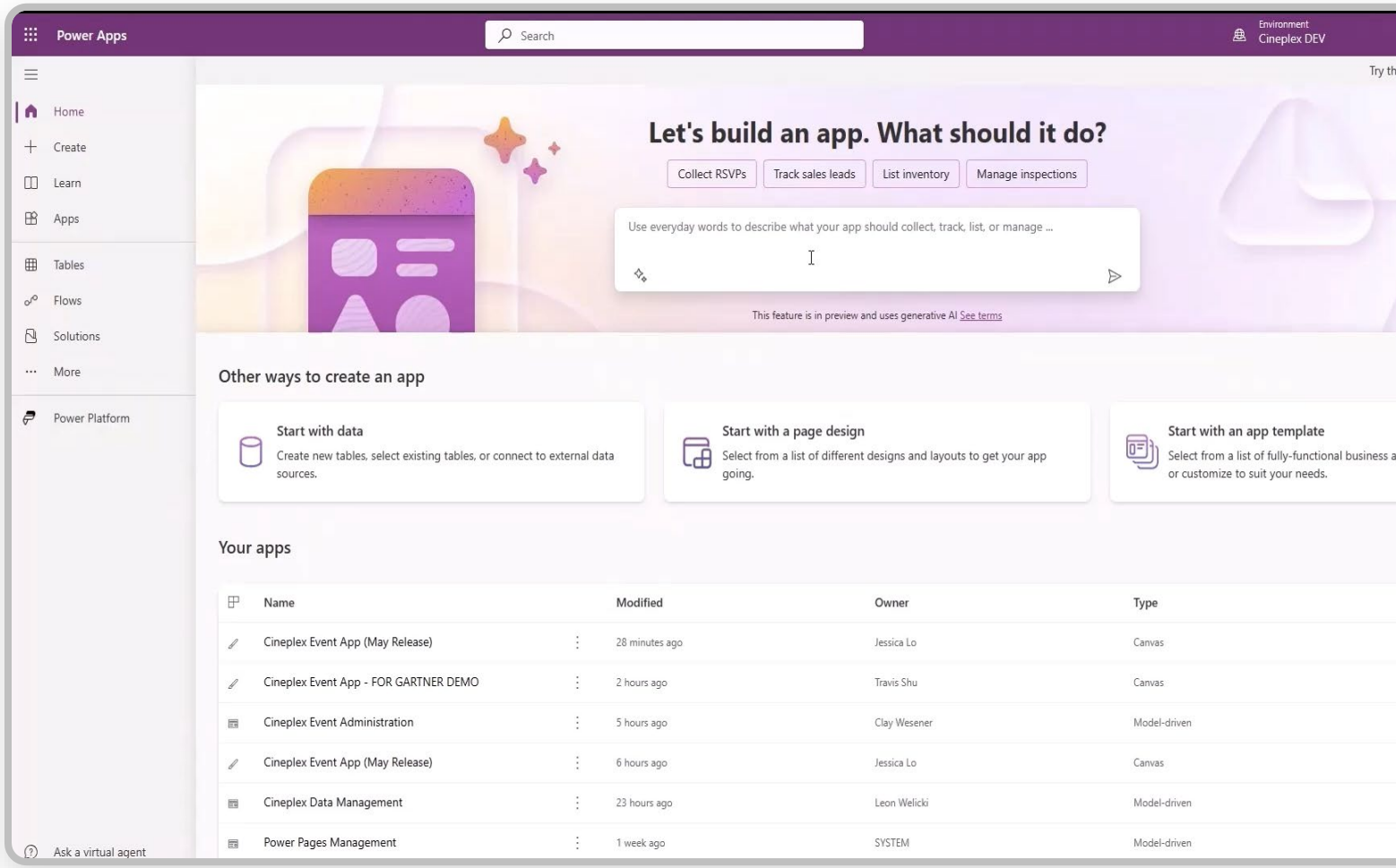
Describe it. Power Apps builds it. Continue editing with Copilot along the way.

Build new apps just by describing in natural language what you need

Multi-turn, multi-step conversation through the process of creating data and customizing UX from existing components.

Makers can build a complete app by starting with natural language

No friction to use, seamless switching between conversation, point-and-click editing for maximum productivity.



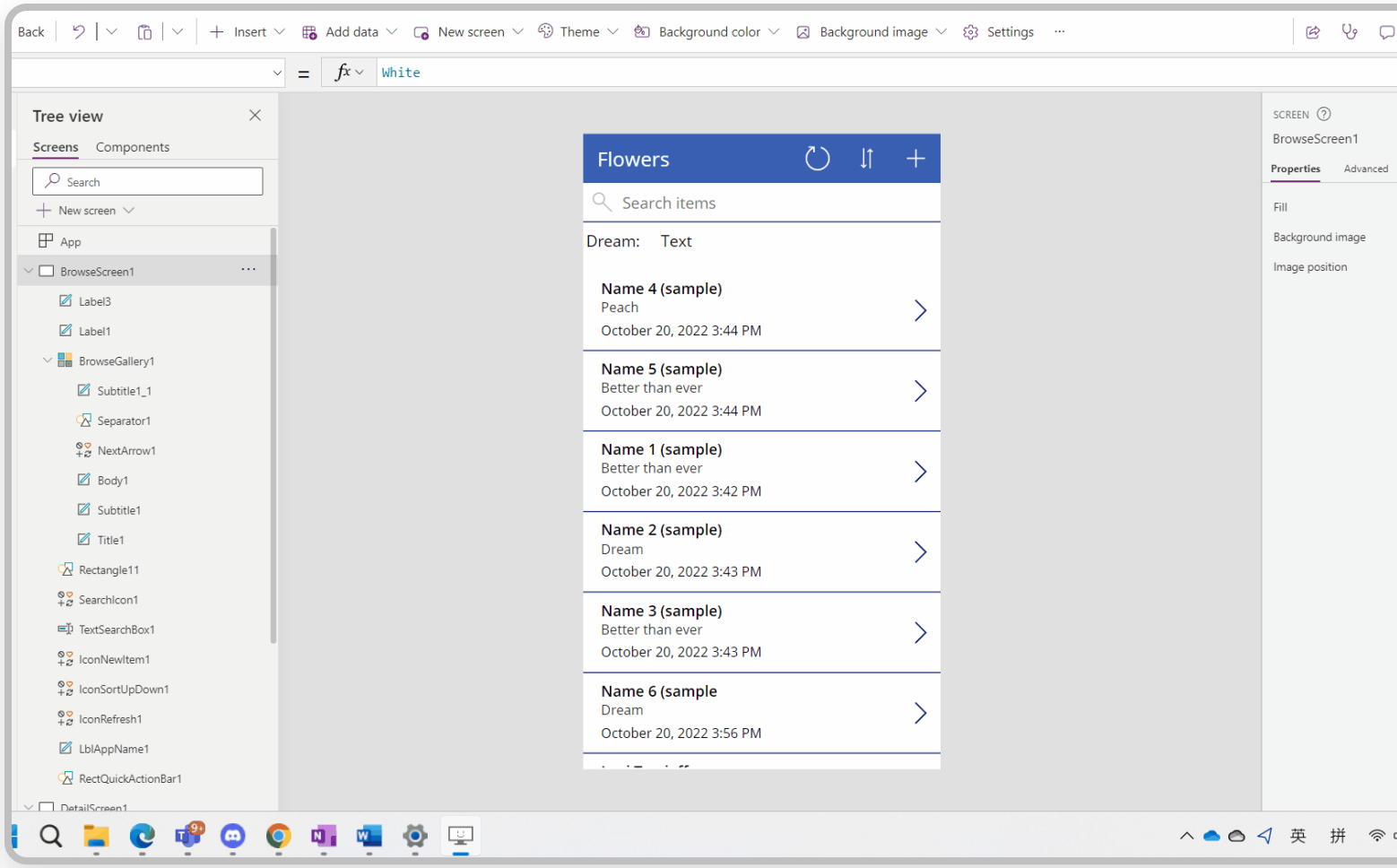
Copilot in Power Apps

Use the AI ideas and suggestions to speed up your building process

Available in gallery, data table, labels, text input and dropdown controls

It now supports more formulas like counting and conditional formatting

Powered by GPT-3 for natural language understanding, and PROSE for by examples programming



Copilot in Power Apps

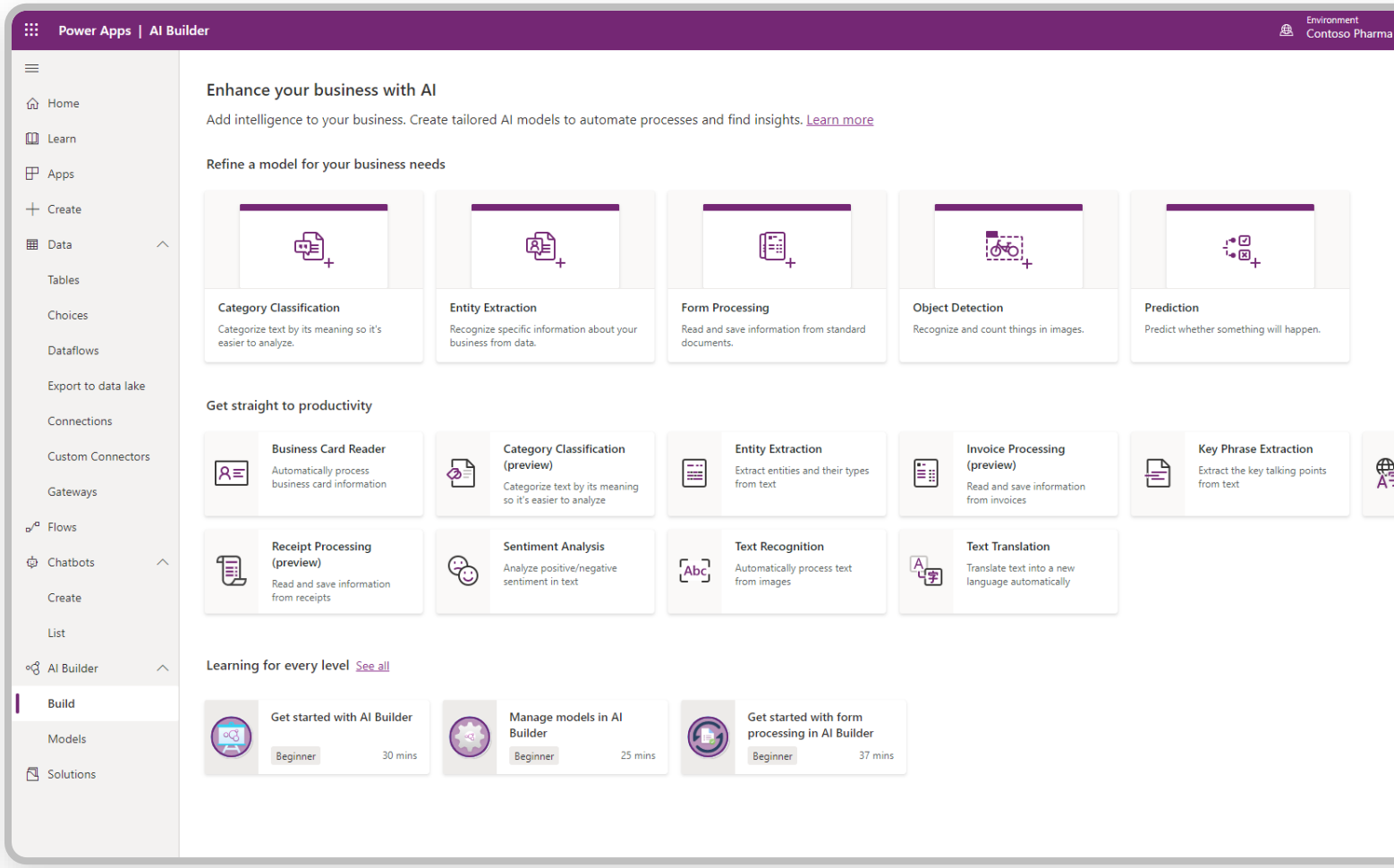
Give end-users AI capabilities with AI Builder

Enable M365 Copilot features such as form fill out of the box

Give end-users chat-like experience to reason over application data and more

Leverage AI builder to add pre-built AI models into your apps or build your own

No friction to use



Copilot in Power Apps

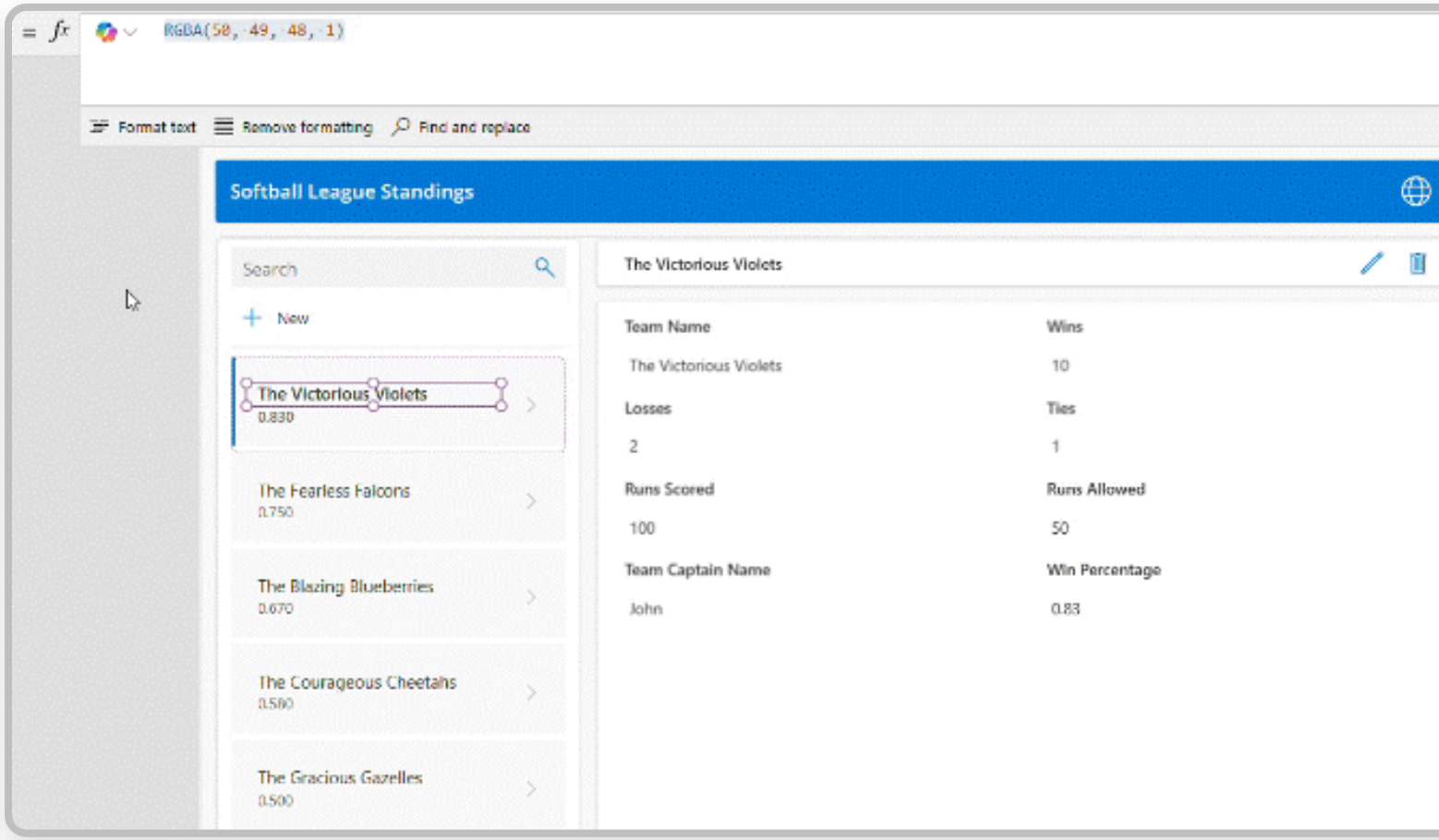
Create, fix and understand Power Fx formulas with Copilot in Power Apps

Describe what you want the formula to do and M365 Copilot drafts it for you

Use M365 Copilot to find your errors and improve the quality of your apps

Understand formulas you didn't write with M365 Copilot explanation

Public preview



User assistance with Copilot

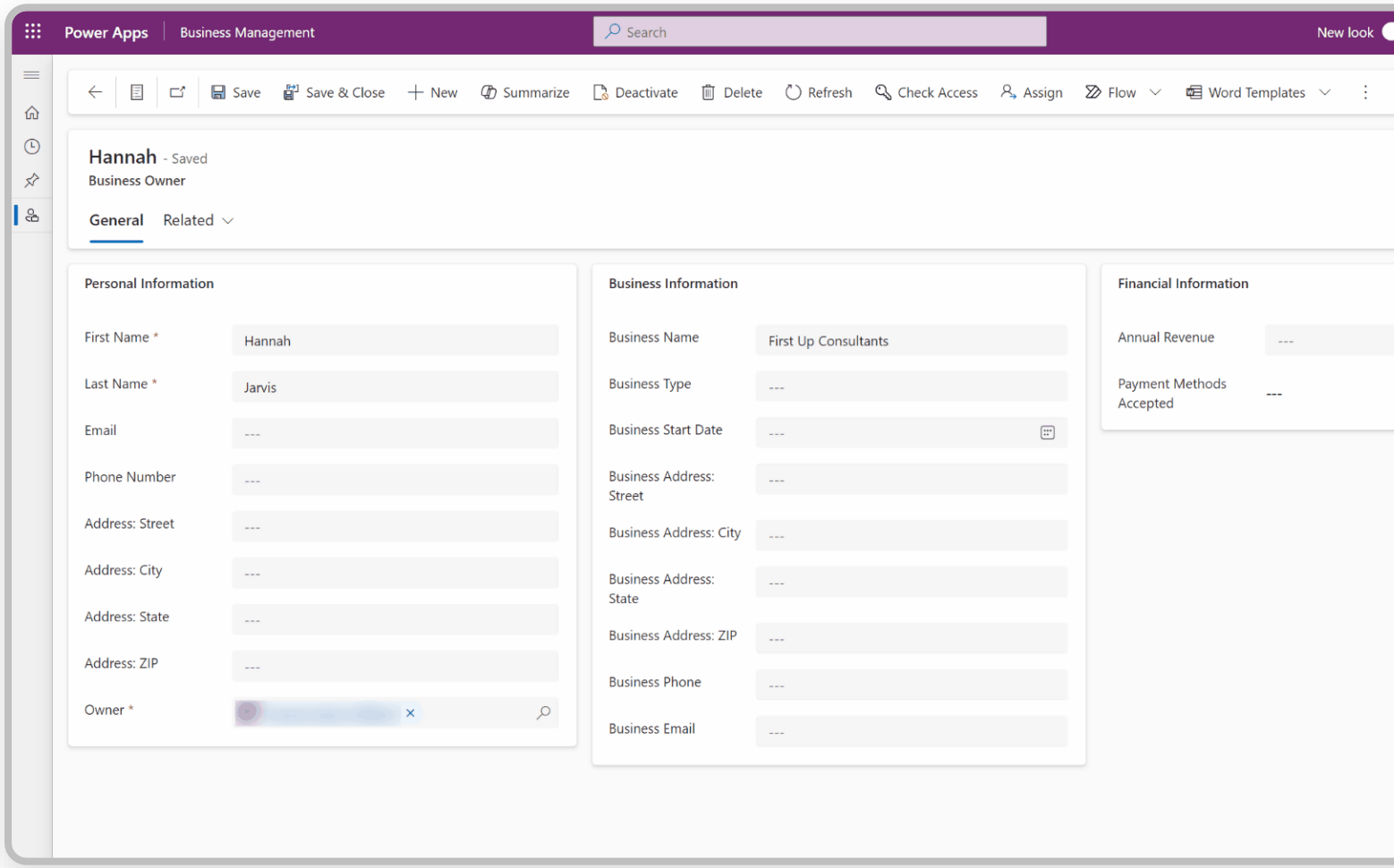
Help end-users fill forms and draft inputs with data entry agent

M365 Copilot-powered form-filling assistance helps accelerate repeated tasks

Users get suggestions bases on the most recently used records

Speed up and improve input quality for text, numeric, date, single-select choice fields

Public preview



Microsoft Power Fx

The low-code language for logic customization across Power Platform. Now with M365 Copilot helps create, edit and explain formulas.

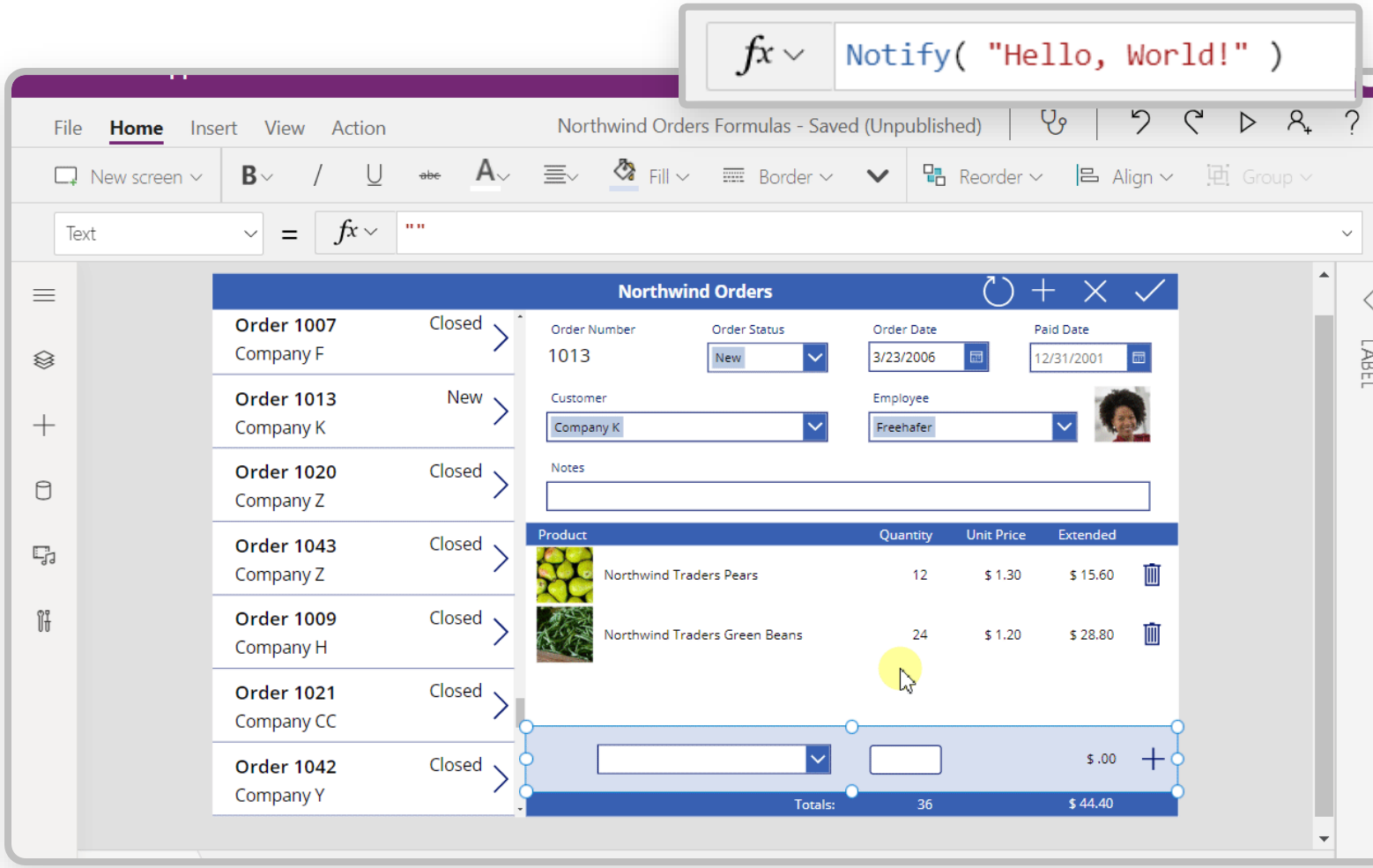
An open-source language that will be available for everyone to use and implement

Expressed in text, it's a low code language that makers can work with directly

Reduce barriers for getting started with a language that leverages the knowledge of excel users

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

ParseJSON function to parse JSON strings into PowerFx objects and types



Accelerate the common scenarios

Building the flagship app

Experienced developers and makers working together

Code-first developer

1. The code-first developer starts building the service
2. Interact with legacy data
3. Builds API and publishes as an Azure function to API Management
4. Exports as API Management Connector, a first-class component to Power Platform
5. Handover to a citizen dev

Maker

1. Citizen developers build UX
2. Citizen developers work together within the same app
3. Collaboration leads to progress on plugging in the API Management Connector
4. Citizen developer gets help from a code-first developer
5. Uses open-source tools to add logic
6. Release to app stores for iOS and Android

Common scenarios

Web and mobile front-ends

Patterns

Mobility across mobile/web devices enablement

Tracking and reporting across frontline and office

LoB system extension

Patterns

Banking

Insurance

Retail

Manufacturing

Government

Education

Consumer Services

Entertainment

Travel & Transportation

Custom business processes

Patterns

Sales mobile CRM solution customization

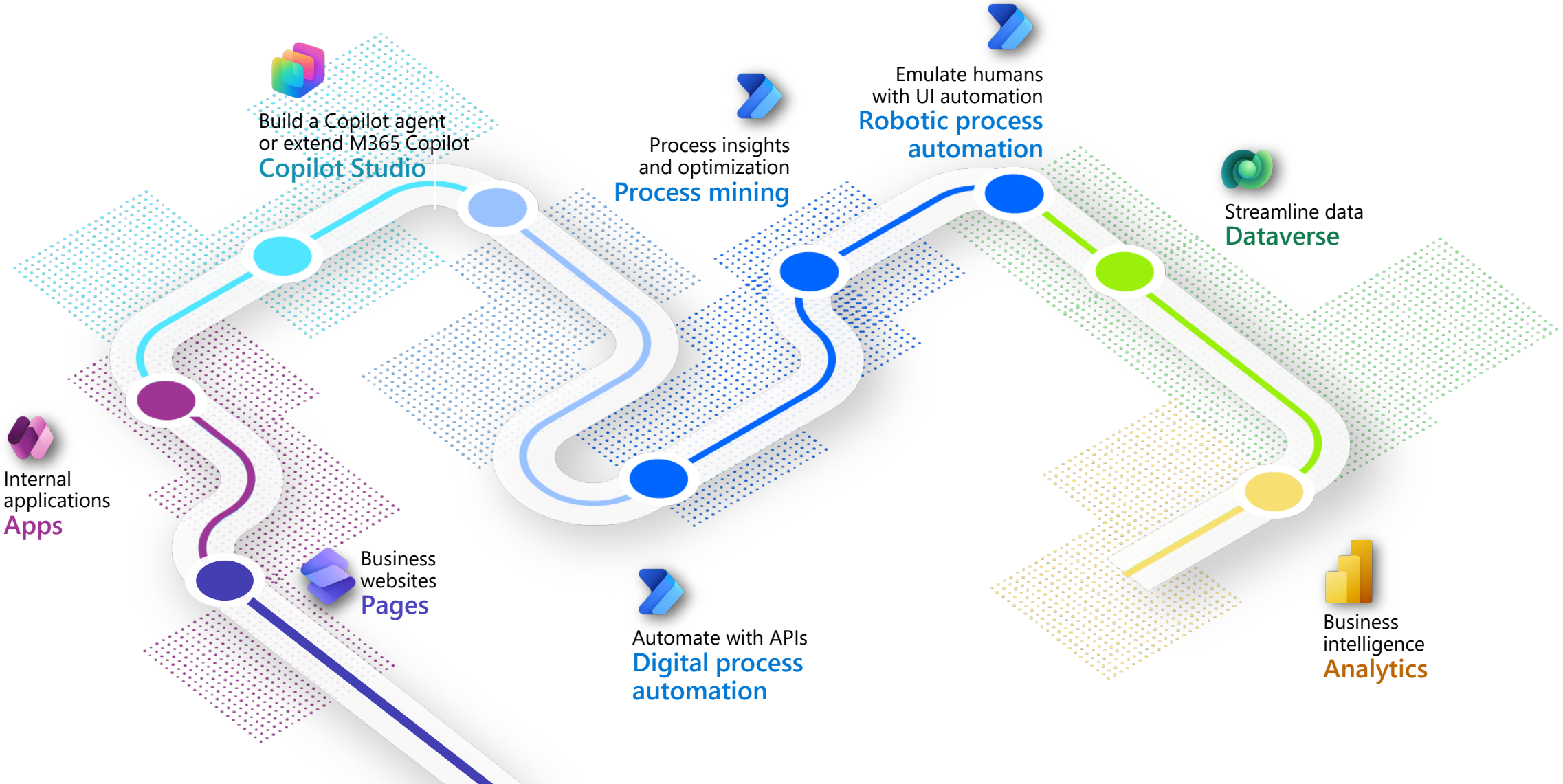
Customer information/ care management automation

Business process management and automation

Application and approval process customization

Optimize with hyperautomation

Power Platform with shared governance & security



Orchestrate automation at scale

Orchestrating complex processes across your ecosystem

Low-code applications

Enterprise applications

Secured web portals

Mixed reality experiences

Custom agents

Self-service analytics

Communication tools

Core business applications

Collaboration tools

User experiences

Robotic process automation (RPA)

Digital process automation (DPA)

Artificial intelligence (AI)

Process automation
Hyperautomation

Business process management (BPM)

Process mining

Task mining

Data and services

Productivity suite data

Core business data

Cloud services and storage

Legacy on-premises data

Modern data service

1,400+ API connectors

zendesk
SAP
Marketo An Adobe Company
box
salesforce

+ many more

Revolutionize the way you work

Power Automate

1 Automate

Streamline processes with revolutionary low code, AI-powered automation tools that empower personal, team, and business-wide productivity.

2 Optimize

Continuously improve processes with in-depth analytics, insights, visual maps, and AI recommendations for process and task mining.

3 Orchestrate

Securely scale and manage across your organization with enterprise-grade governance, 360 monitoring, data loss prevention, and hosted infrastructure.

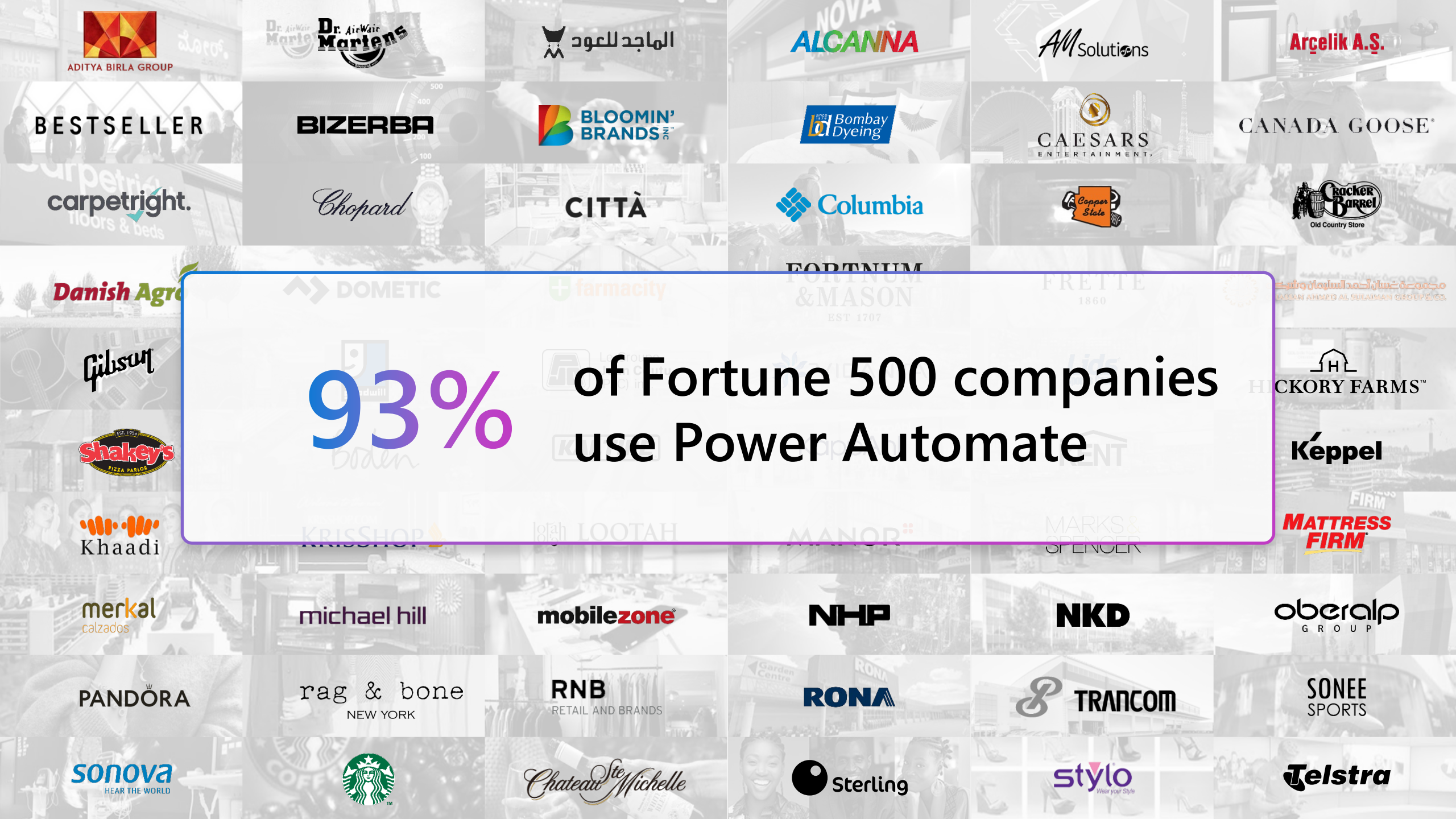
Connectivity

1,400+ 3rd party connectors, including custom and on-prem

Extensibility

Windows 11

93% of Fortune 500 companies use Power Automate



1 Automate 2 Optimize 3 Orchestrate

Streamline processes

Retain the value of your existing investments

Bring all your systems and data into scope for automation

	Cloud flows Digital Process Automation (DPA) With APIs	Desktop flows Robotic Process Automation (RPA) Without APIs
	Modern automation for apps, services, and data with APIs in the cloud	On-prem or legacy system automation on a desktop or virtual machine by mimicking user actions on a screen
Prebuilt	Connect to 1,400+ prebuilt API connectors	Choose from hundreds of drag-and-drop user interface (UI) actions
Custom	Develop your own API connectors for personalized solutions	Develop your own UI actions with the actions SDK

Intuitive and AI-powered tools for everyone

Accelerate professional developers and empower business users

Power Automate

Intuitive UI

Automate across your ecosystem with easy-to-use low code connectors and desktop recording

- Access from desktop, browser, or mobile app
- Drag & drop interfaces
- 1,400+ prebuilt connectors and hundreds of UI actions
- Custom connectors and actions
- Desktop recording

Copilot in Power Platform

AI-assisted authoring

Build, edit, and extend automation with AI experiences embedded in the flow of work

- Build flows and write code with natural language
- Use AI to record steps with speech and screen sharing
- Get recommendations
- Get help from documentation
- And more…

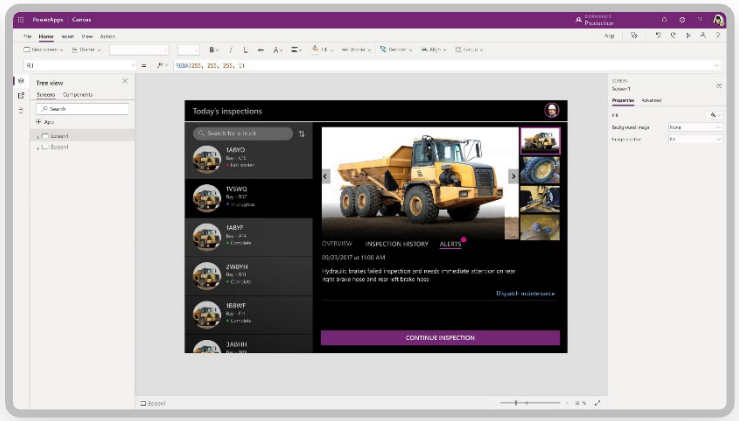
Copilot Studio

Advanced AI tools

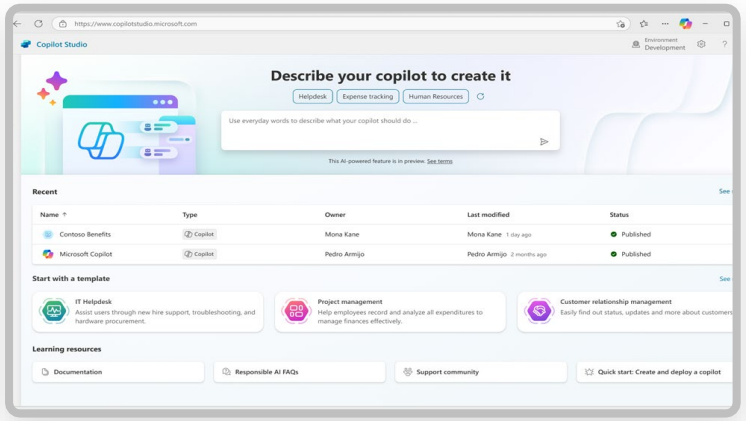
Enhance automation with targeted use of AI prompts and prebuilt or custom AI tools

- Prebuilt and custom models
- Document processing
- Image data extraction
- Prediction
- Analytics

Extend automation to multiply impact

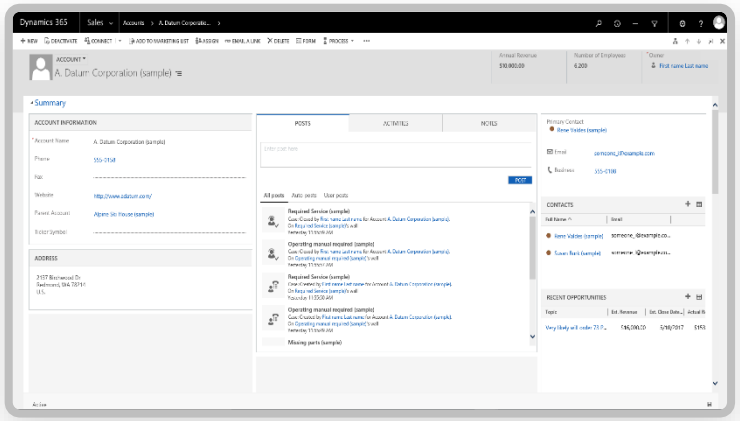


Embedded in your applications with Power Apps



Explore new agentic scenarios with Copilot Studio

- Generative actions
- Computer using agents
- Agent flows
- Advanced approvals



Bring to your business applications and websites with Power Pages

Extend automation across Microsoft Power Platform

Demo: Building a Flow with AI

1 Automate 2 Optimize 3 Orchestrate

Continuously improve

Better understand and optimize processes

Uncover inefficiencies

Gain “x-ray” like visibility into processes that are taking too long or have bottlenecks, then compare with efficient processes

Identify optimization opportunities

Gain insight and get recommendations for opportunities to automate and deploy solutions across your company

Continuously monitor performance

Track how your processes are performing with optimization in place and continually bring improvements

Optimize with task and process mining

Take the guesswork out of automation

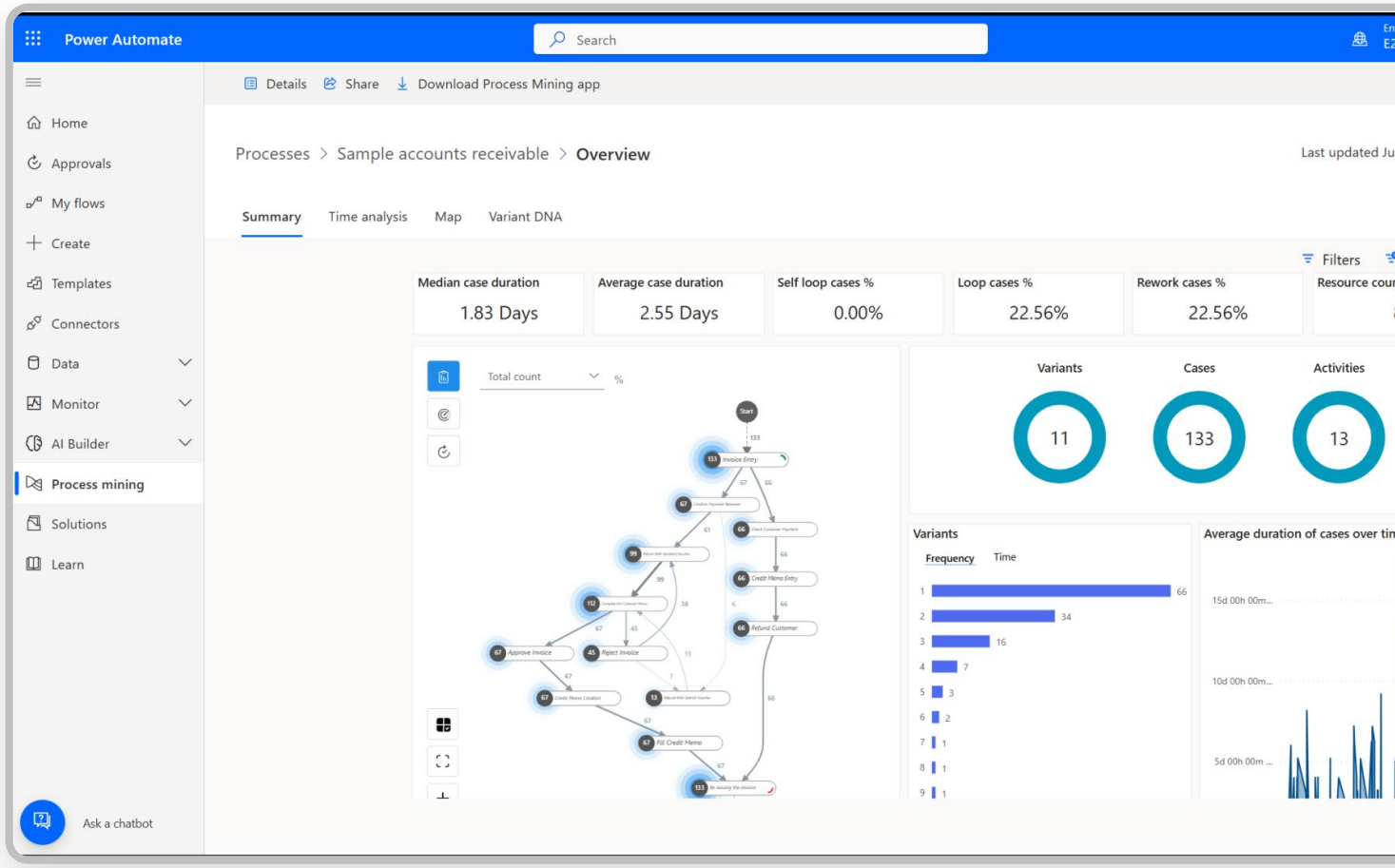
Gain deep insights with powerful features including rework detector, root cause analysis, process compare and custom metrics

Create views, publish them to create **custom Power BI reports** and share across the organization

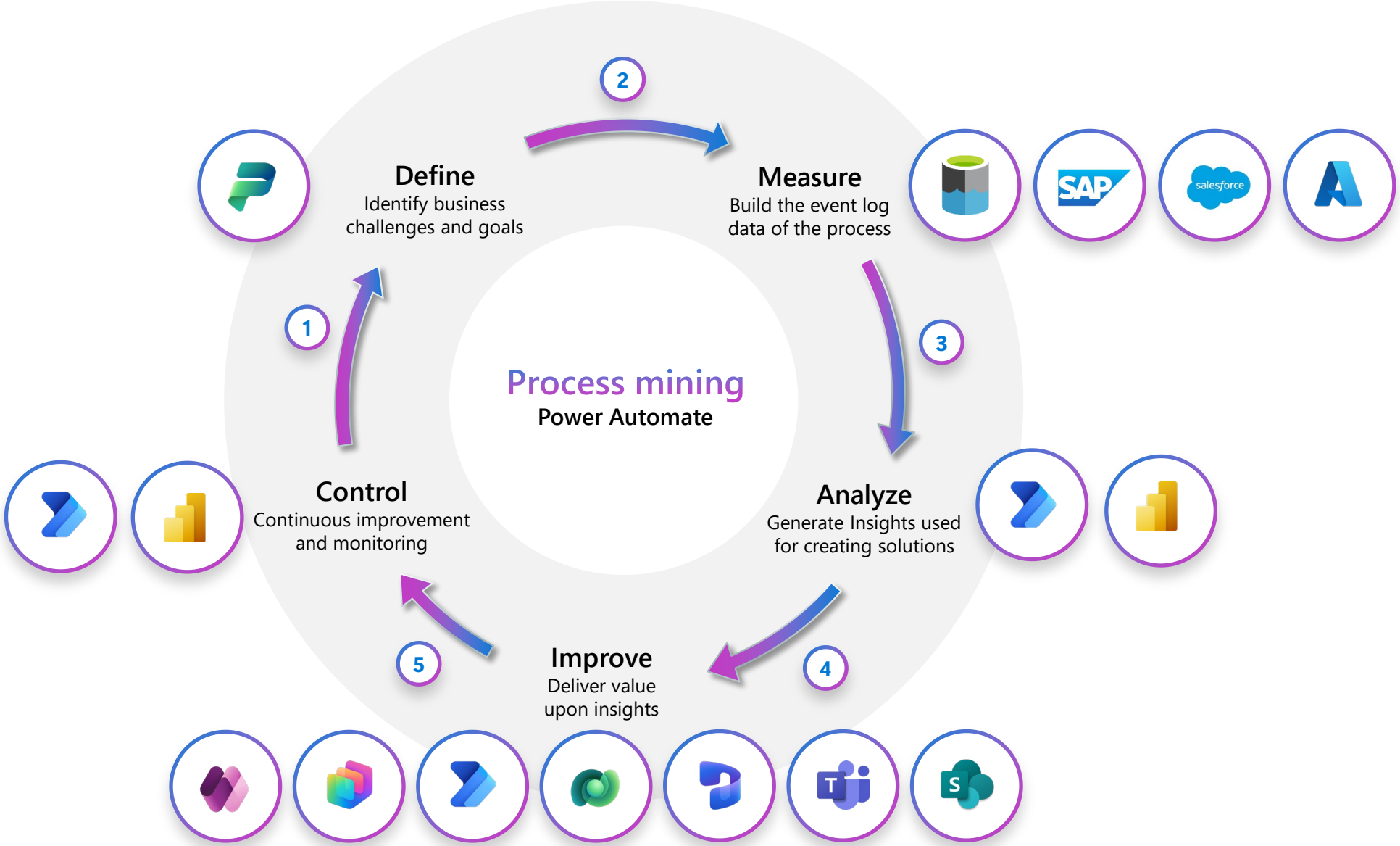
Discover possibilities for automation of **individual workflows** with task mining

Seamlessly integrate with **Power Platform and beyond** to turn insights into action

Use **out-of-the-box templates for rapid deployment** from data ingestion to pre-defined custom reports



Microsoft’s end-to-end process intelligence



1 Automate 2 Optimize 3 Orchestrate

Securely scale and manage

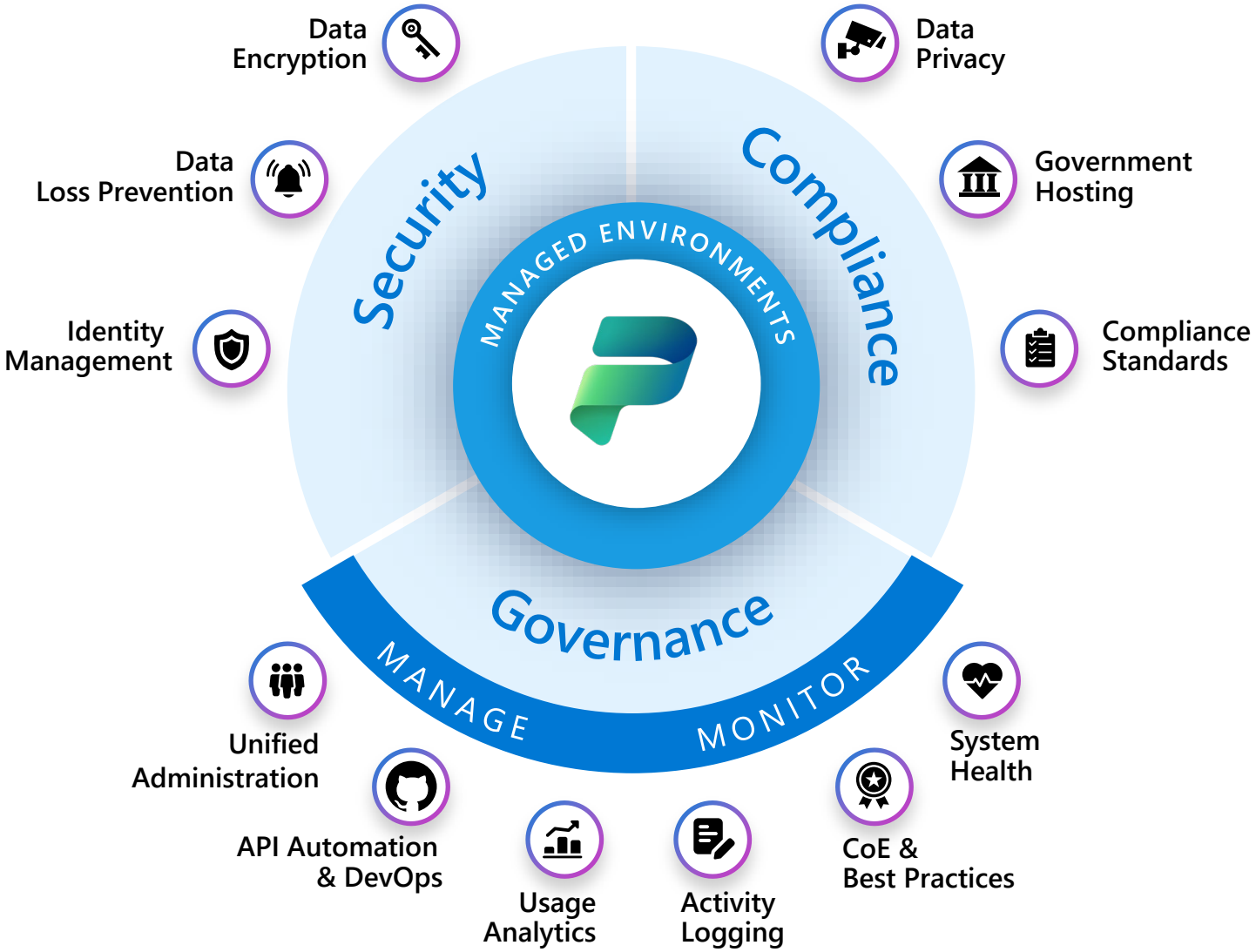
Deploy with confidence

Stay in control

Security
1B+ USD investment in security R&D and 3,500 cyber security experts

Compliance
Hosted in Azure and globally available with 90+ compliance offerings including CIS Benchmark, CSA STAR Self-Assessment, SOC 1 Type 2

Governance
Enterprise scale governance capabilities native part of the platform



Get 360 visibility with automation center

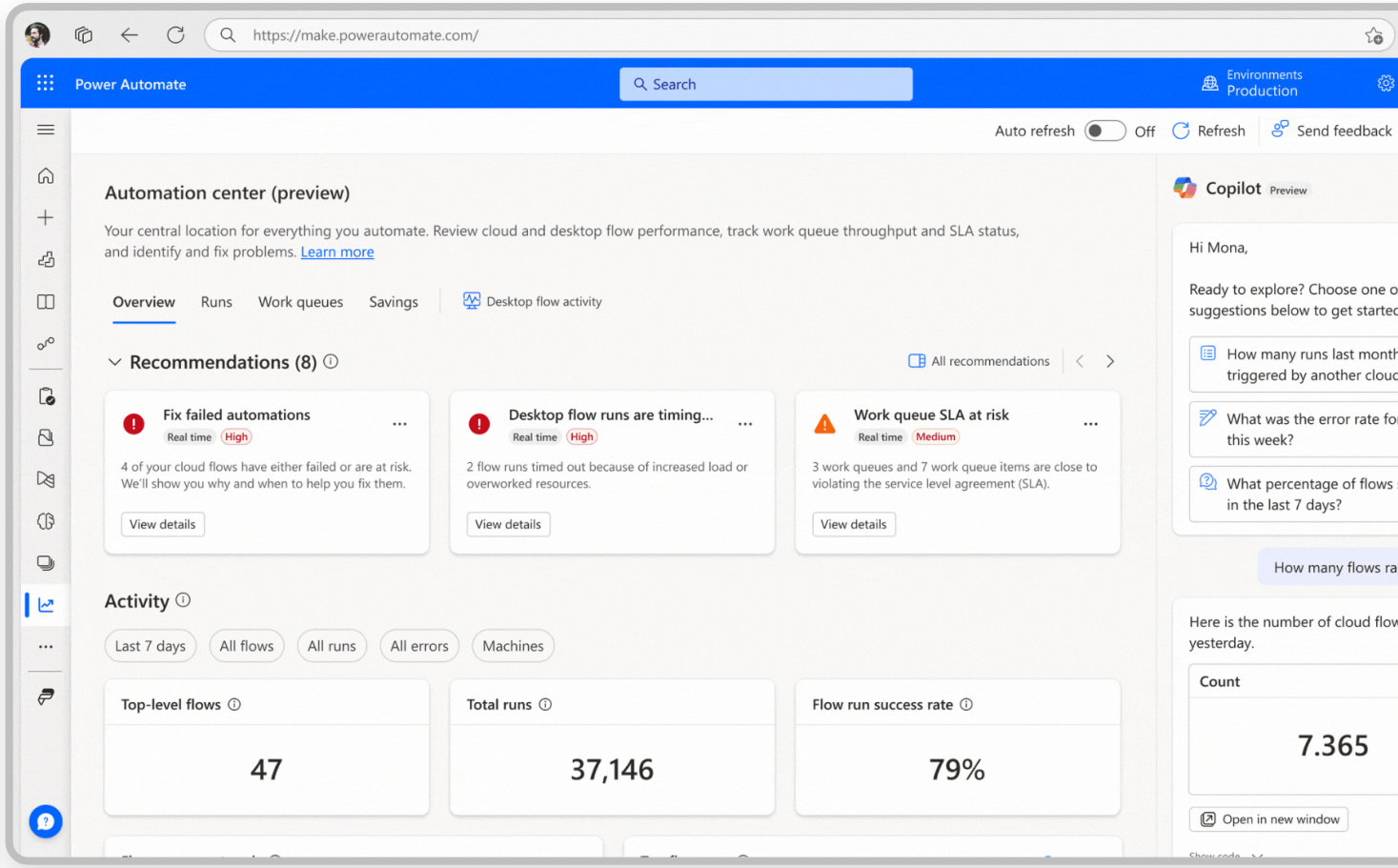
Manage and monitor

Comprehensive dashboards
Access performance metrics, health status, execution logs, and more actionable insights to quickly detect issues and optimize processes.

Integrated Copilot support
Get actionable recommendations and troubleshooting assistance directly within the Automation Center.

Work queue monitoring
Dedicated tools to closely track SLA attainment, processing time, and throughput, ensuring continuous improvement and meeting operational benchmarks.

Actionable recommendations
A recommendation area provides users with best practices to enhance performance and resolve issues, backed by intelligent automation insights.



Now generally available, status and runs sections in preview

Microsoft Power Platform

Power Pages

Common business portal challenges

- Budget and time constraints
- Site hosting constraints
- Product onboarding
- Data silos
- Complex business workflows
- UX Design
- Responsive design
- Security and compliance risks

Microsoft Power Pages empowers enterprises to initiate and externalize business processes through secure, agentic AI native business portals

Power Pages supports agentic AI native business portals

Enhanced security: Power Pages ensures your organization's data remains protected with enterprise-grade security measures, reducing the risk of data breaches and unauthorized access.

Increased visibility: Gain insights into user interactions and website performance, allowing for informed decision-making and continuous improvement.

Time efficiency: Streamline your **business portal** development process **with agentic AI native solutions**, freeing up valuable time to focus on other critical business tasks.

Customer satisfaction: By enabling the creation of intelligent **business portal**, Power Pages helps in delivering a more satisfying and engaging user experience for your customers.

Unified for excellence

Accelerate development and deployment cycles

Managed environments

Secure, scalable foundation for development.

Workspaces

Streamlined collaboration and management of projects.

Studio

Intuitive, low-code interface for rapid portal creation.

This is evident from the Rapid growth we are seeing…

400M+

Monthly active users today

52%

YoY Growth in Usage

Power Pages

Key benefits

With Power Pages and Microsoft Copilot Studio integrations, enterprises can plan, build, and run AI-driven business portals over business data, delivering dynamically tailored agentic experiences and generative UX.

Accelerate AI-driven development

Integrate AI-powered capabilities to expedite site delivery and enhance development efficiency.

Ensure security, governance, and platform stability

Safeguard customer experiences and workspaces with centralized authentication, authorization, and advanced security settings.

Enhance customer and citizen experiences

Eliminate the constraints of pre-defined UI layouts. The agent-driven UX dynamically generates customized interfaces, ensuring customers and citizens see only what is pertinent to their task

Global deployment and scalability

Power Pages ensures worldwide platform access with enterprise-grade portal hosting, enabling seamless deployment and scalability across global markets.

Enterprise-grade security and control for the AI era

Power Pages centralizes robust controls for authentication, authorization, and advanced security settings, providing top-tier security and governance for AI-driven business portals.

Connect data and services

Power Pages allows organizations to effortlessly connect to data sources such as Salesforce, Oracle, Dynamics 365 Business Central, and Microsoft Fabric.

Expedite development processes and intelligent site building

Power Pages optimizes development processes and transforms user experiences with Copilot Studio. The integration of generative AI also enhances search experiences and drives immersive and personalized interactions.

What differentiates Power Pages from other website development tools?

Engage smarter with dynamic agentic experiences

Effortlessly create AI-enabled portals with Microsoft Copilot in Power Pages, guiding you through development with suggestions, content creation, and customization. Transform portal development and enhance customer experiences with agentic AI capabilities like chatbots, dynamic task automation, and role-based personalization.

Deploy enterprise-ready portals with unmatched security and scale

Ensure your portal presence is secure, reliable, and globally scalable with Power Pages. With features focused on observability, enhanced control, and governance at scale, Power Pages meets rigorous security and compliance demands, enabling seamless expansion across markets.

Engage smarter with dynamic agentic experiences

Effortlessly create AI-enabled portals with Microsoft Copilot in Power Pages, guiding you through development with suggestions, content creation, and customization. Transform portal development and enhance customer experiences with agentic AI capabilities like chatbots, dynamic task automation, and role-based personalization.

For developers

Intelligent portal building

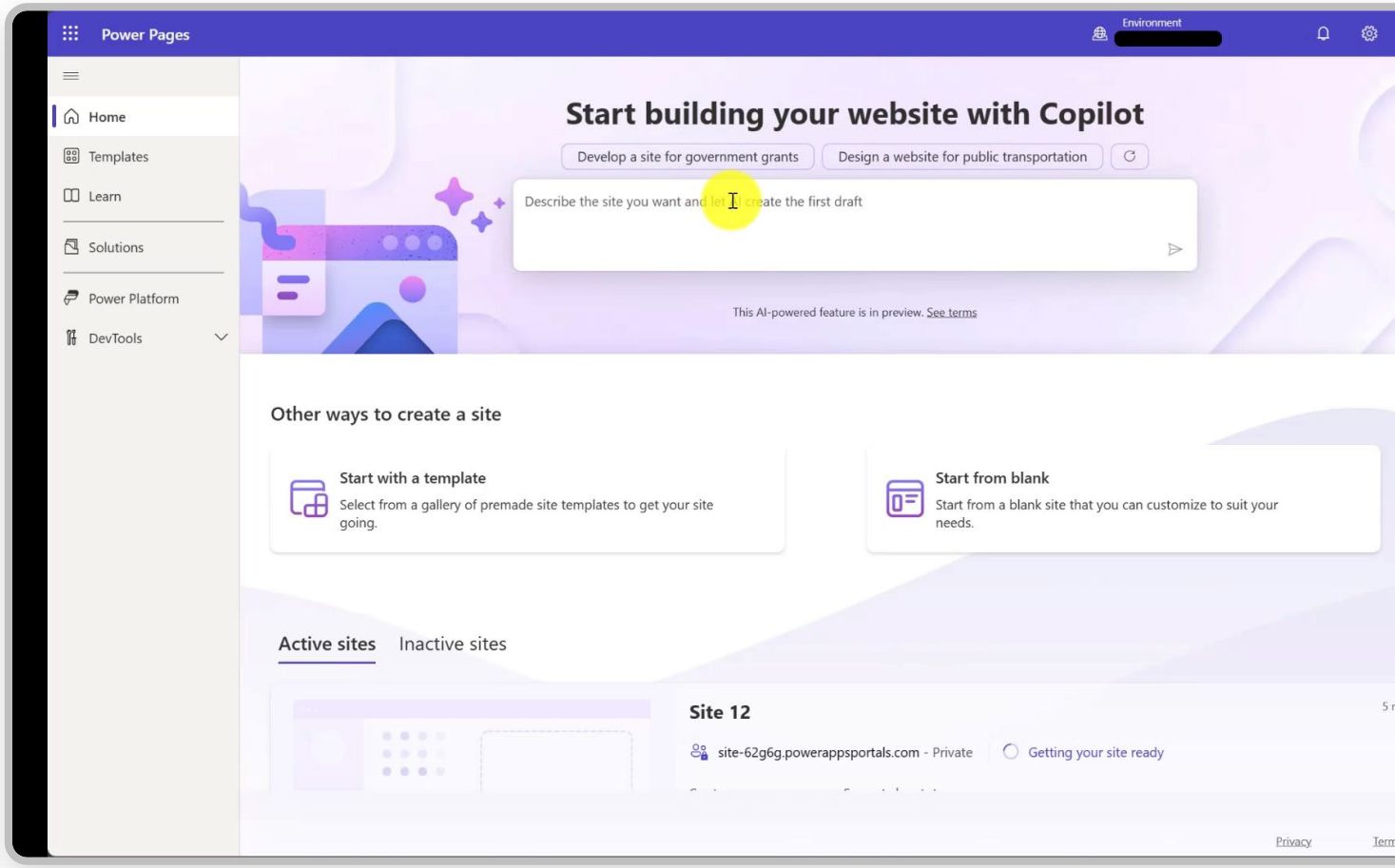
Upskilling and Improving productivity of all Makers (low code/pro dev) at every step in their Power Pages Journey

- 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)

Intelligent portal building

Create new site

Copilot in Power Pages will enable makers to describe the purpose of their site and automatically generate an intelligent homepage layouts and site map

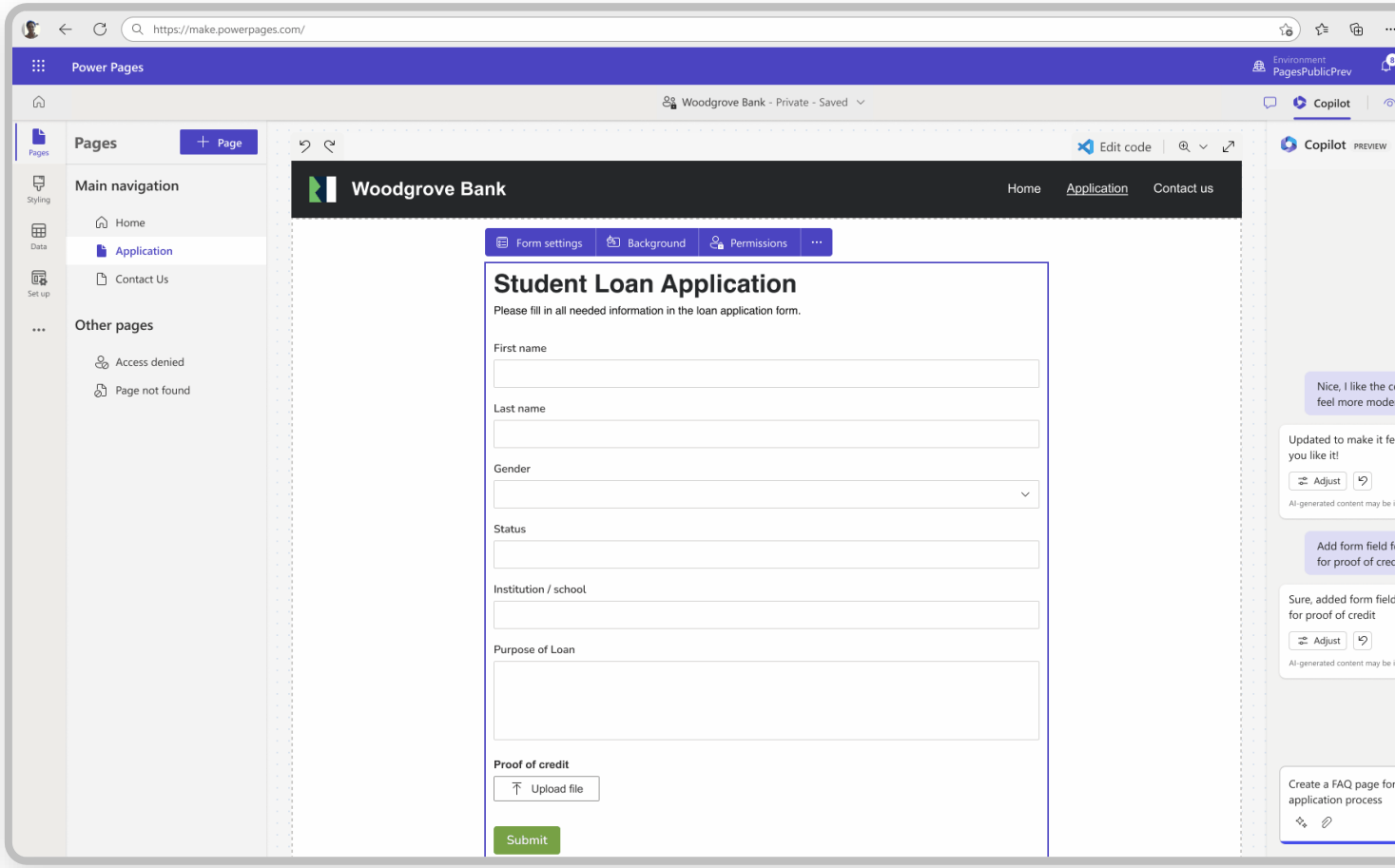


For developers

Intelligent portal building

Create website content

Copilot in Power Pages will enable makers to describe the purpose of a page and automatically generate page layouts with images & starting website copy.

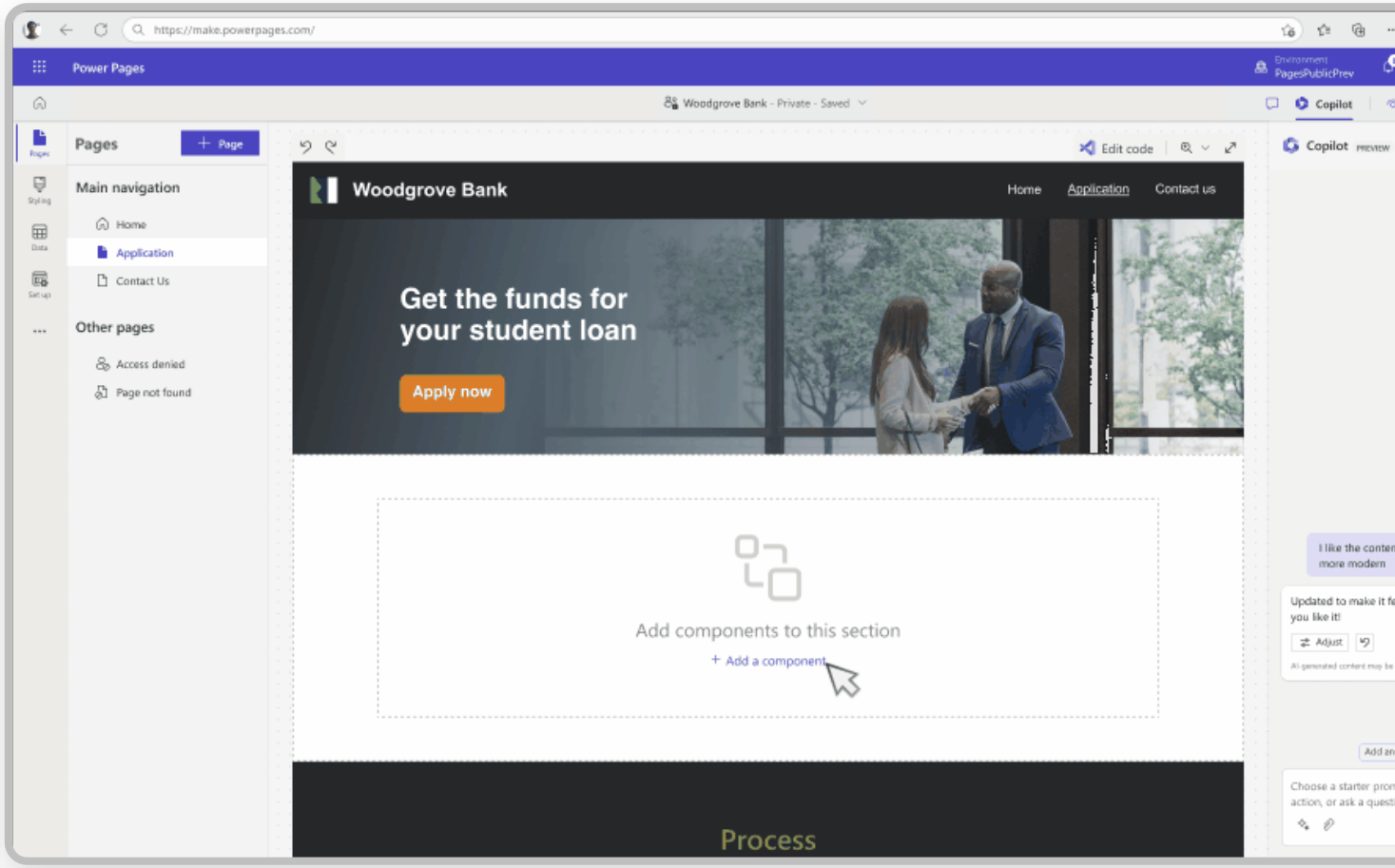


For developers

Intelligent portal building

Connect with data

Copilot in Power Pages will enable makers to describe their data components like form (basic or multistep) and automatically create table + form.

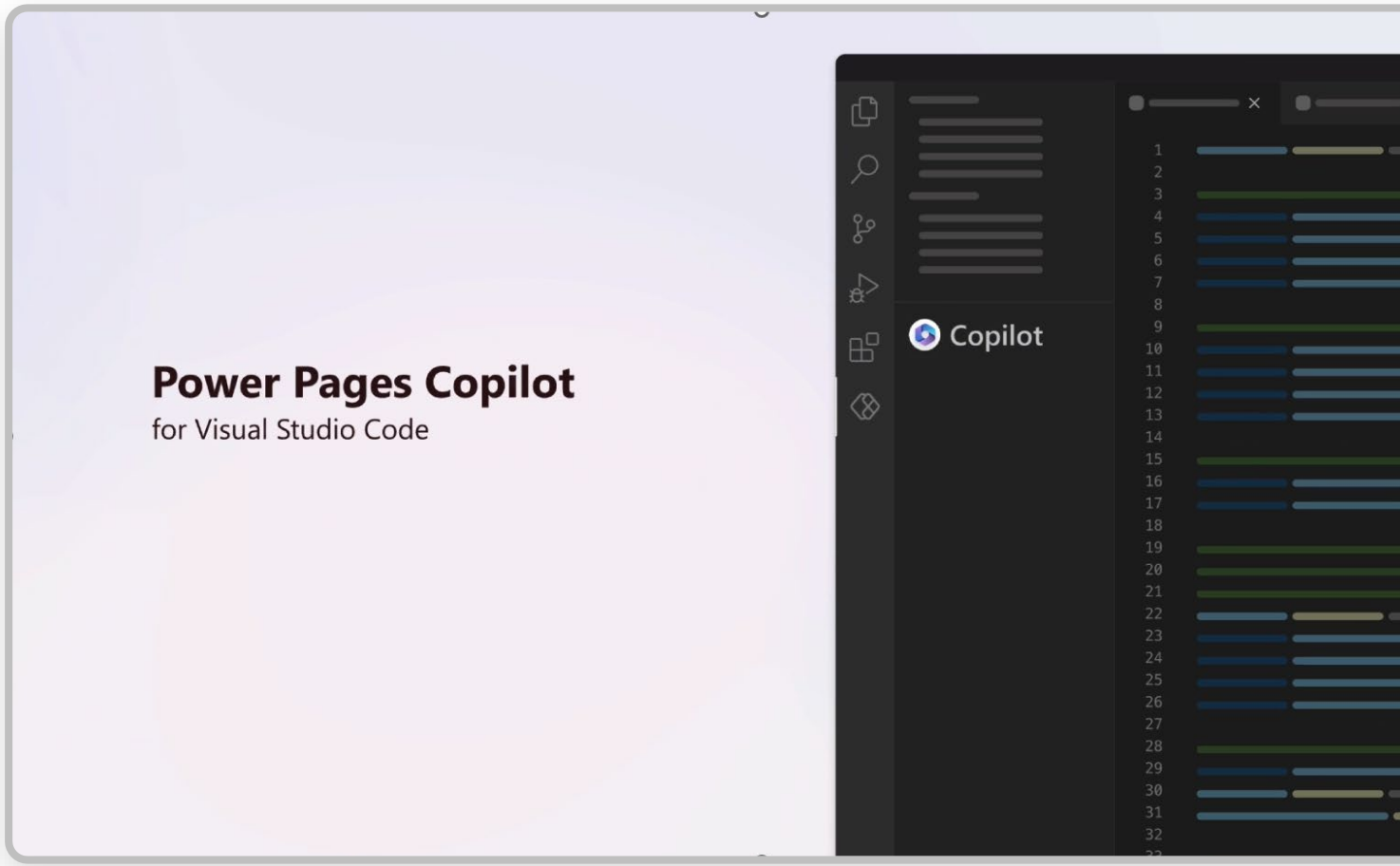


For developers

Intelligent portal building

Business logic and custom

VS Code Chat copilot experience is available for Pro developers to accelerate their Pages customization. Use it to create form validations, and pages customizations with WebAPIs



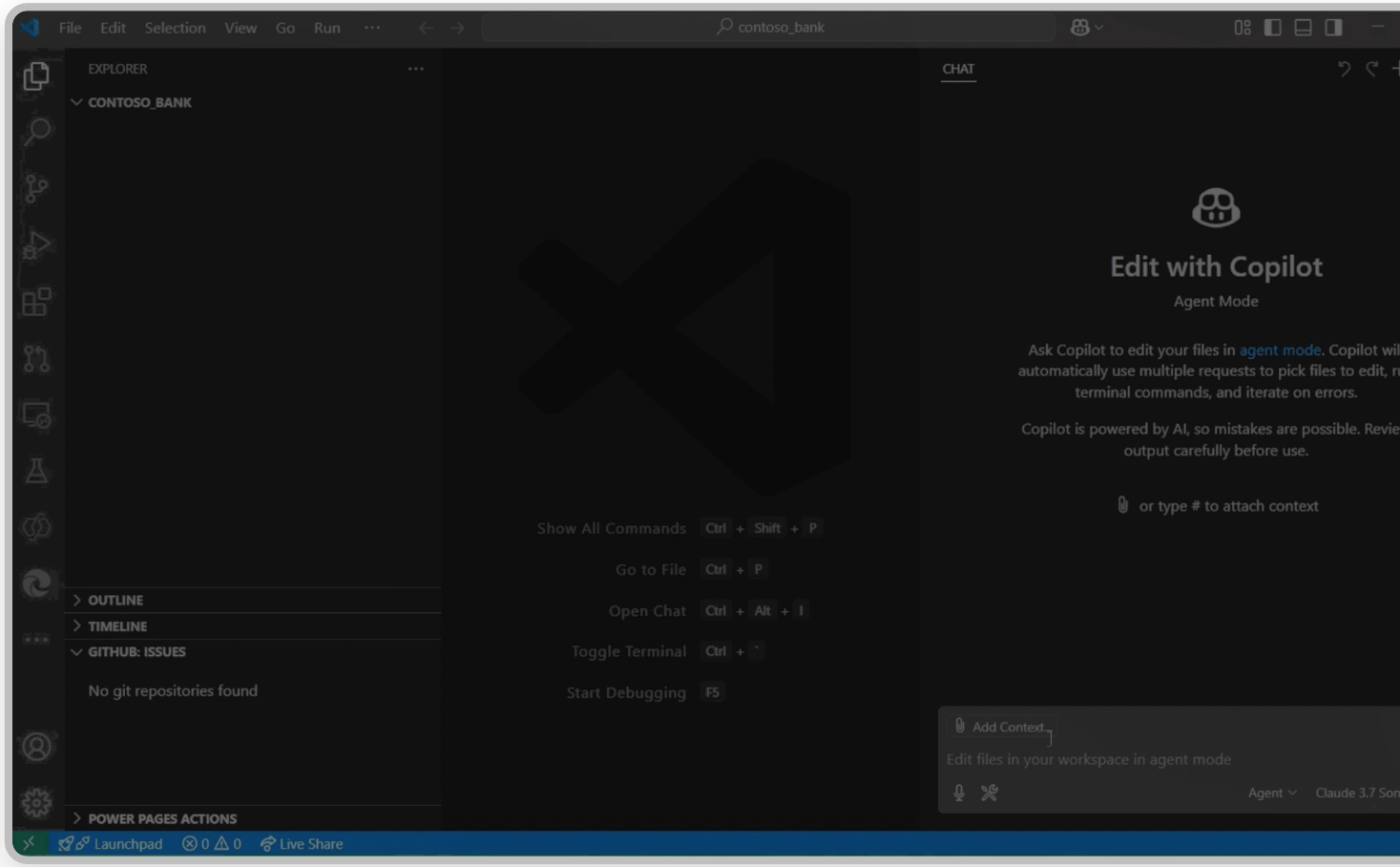
For developers

Intelligent portal building

Bring Your Own Code to Power Pages

Developers can build UX rich websites by integrating their code generated using familiar tools like VS Code, Cursor, etc. using frameworks/tools like React, TypeScript, and the Power Platform CLI.

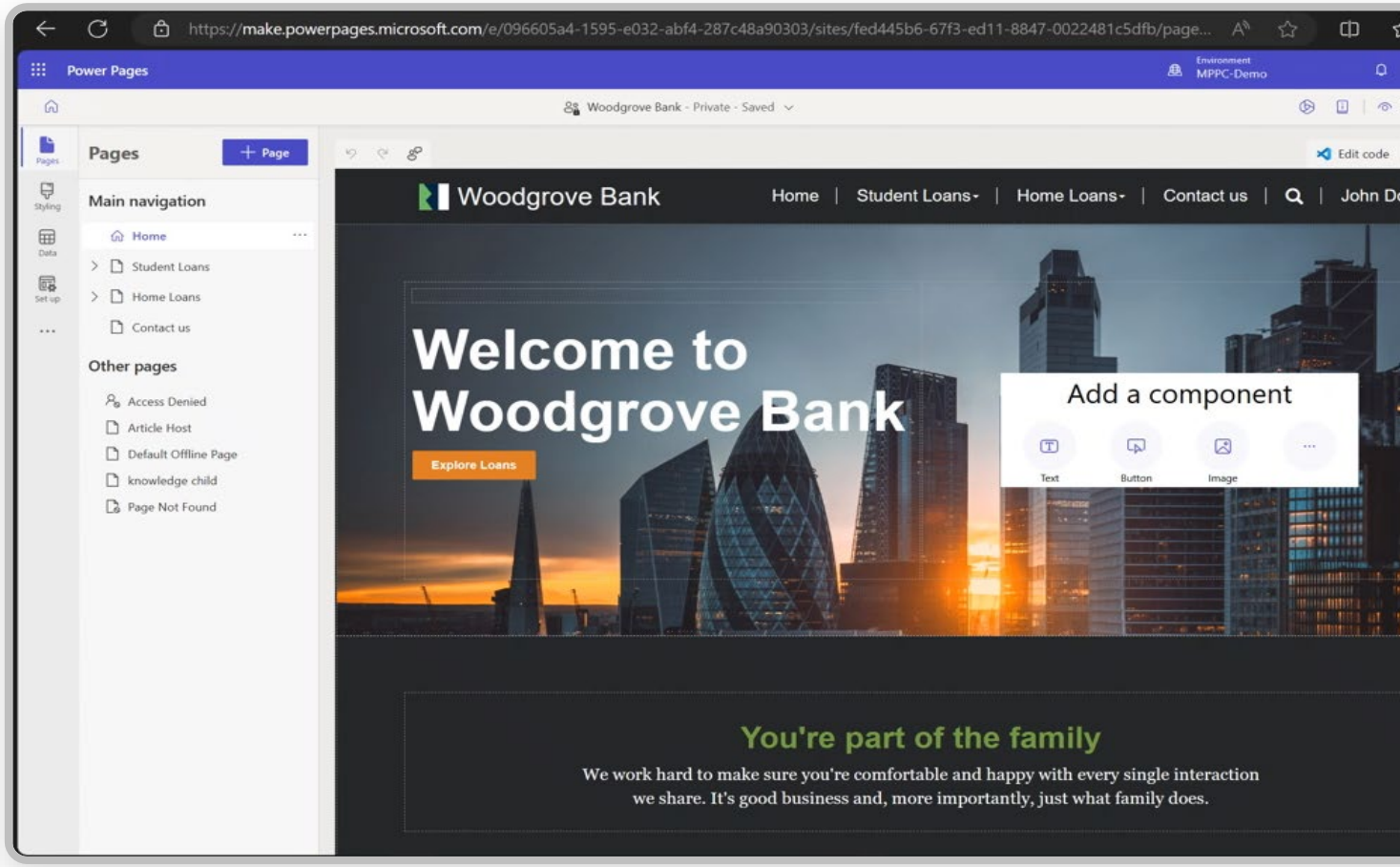
Public preview



Demo: Building a Portal with Power Pages

AI-powered chatbot

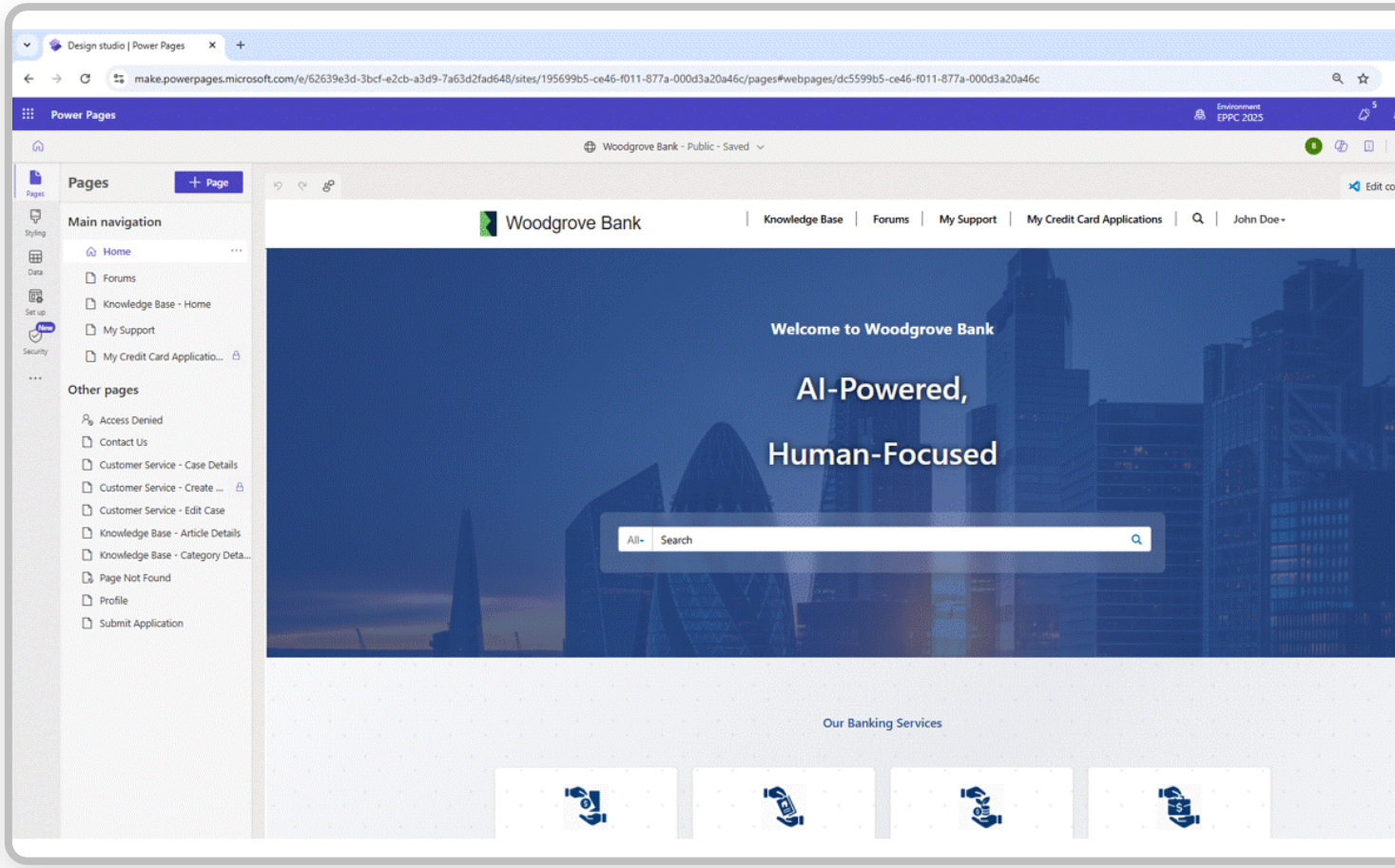
1. Create and test agent on private site
2. Publish agent to live site when ready
3. Agent responses grounded in site content configured by maker
4. Responses for anonymous users based only on public content
5. Responses for authenticated users based on their web role access to the content
6. Customize agent via Microsoft Copilot Studio



In preview

AI driven site search

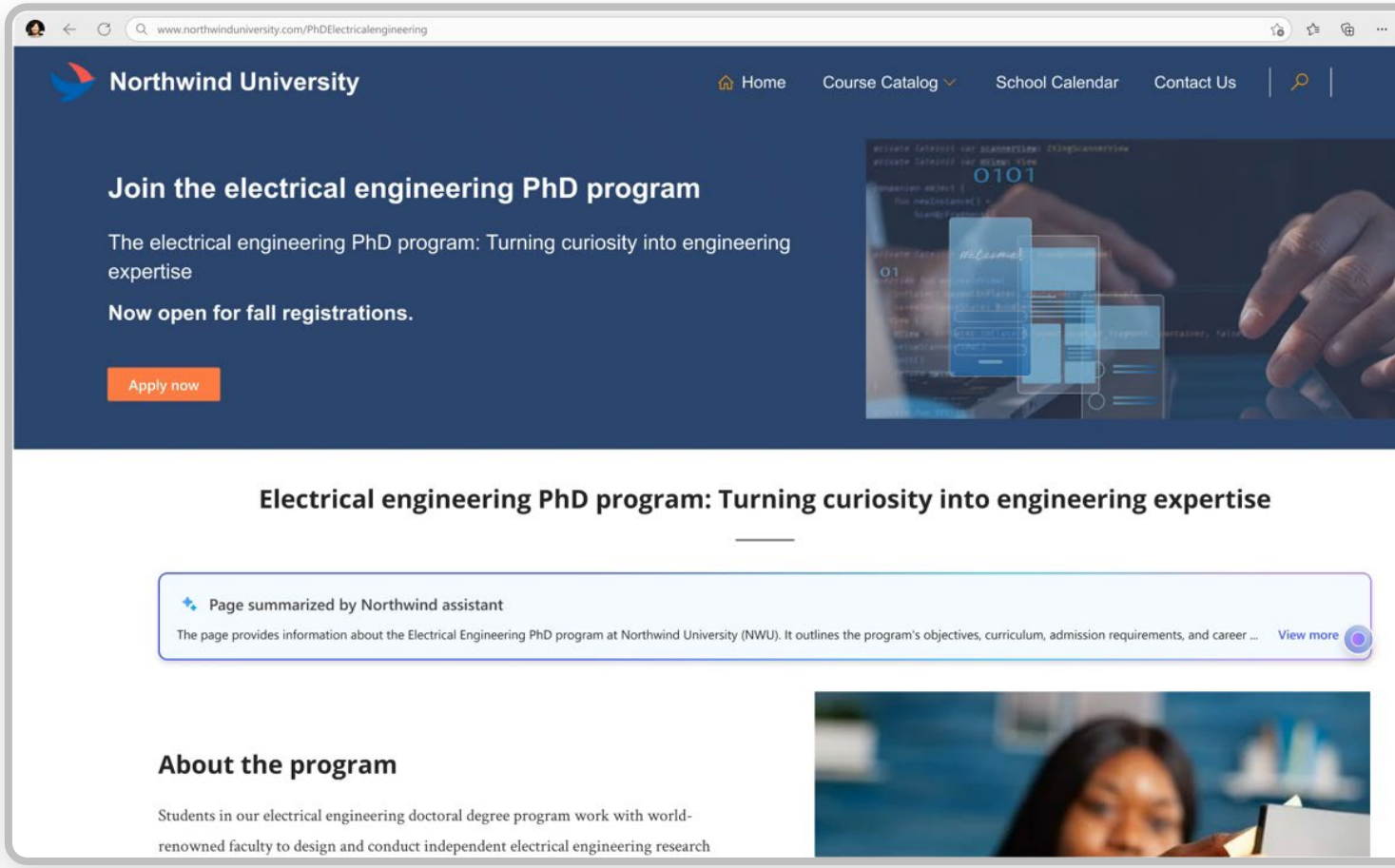
Site search summarization with recommended prompts for site users which can be turned on with a few clicks by the maker.



In preview

AI Driven Webpage Summarization

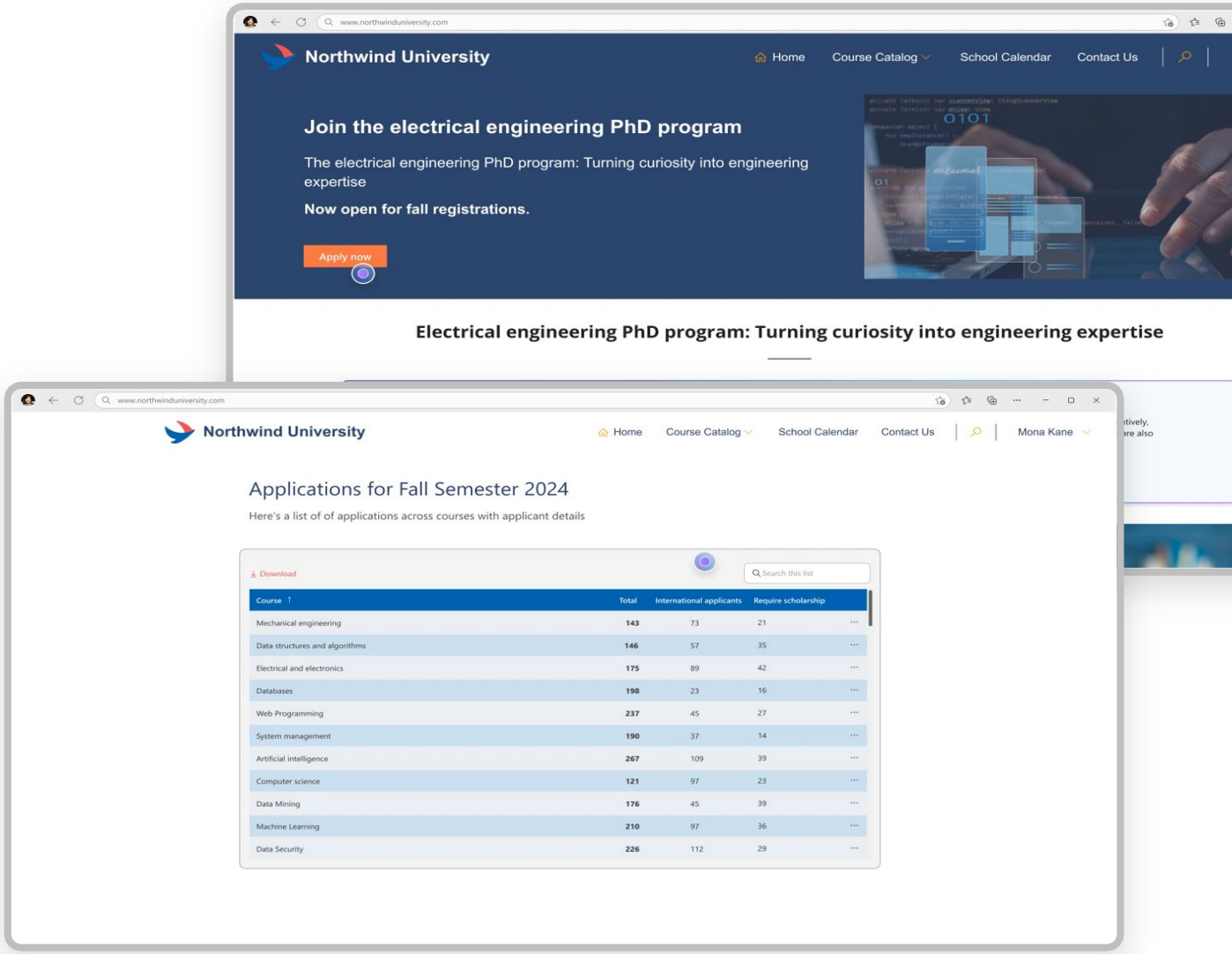
Add AI summarization to allow site visitors to get a quick view of the webpage content.



In preview

AI Driven Form Assistance and Data Insights

Get AI assistance while form filling including data extraction to remove manual steps and in-context text generation. Also get insights quickly from data lists.



In preview

Web Agent

Create web agents for your Pages Sites directly from Design studio without authoring complex instruction& topics in MS Copilot Studio.

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Deploy enterprise-ready portals with unmatched security and scale

For Admin

- Inventory
- Governance Controls
- Tenant Level Security
- Auditing
- Power Platform Advisor

For Makers

- Centralized Security Workspace
- Built-in Security Scanning
- Enhanced Web Application Firewall (WAF)

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QUESTIONS

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THANK YOU

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