

Democratizing Enterprise Software Development

Summary

Looking forward, most companies will need to build new digital businesses to stay industry relevant.

But current software development platforms and number of people who can develop software are not sufficient to develop software at scale with lower cost and better quality.

Power Platform addresses these challenges.

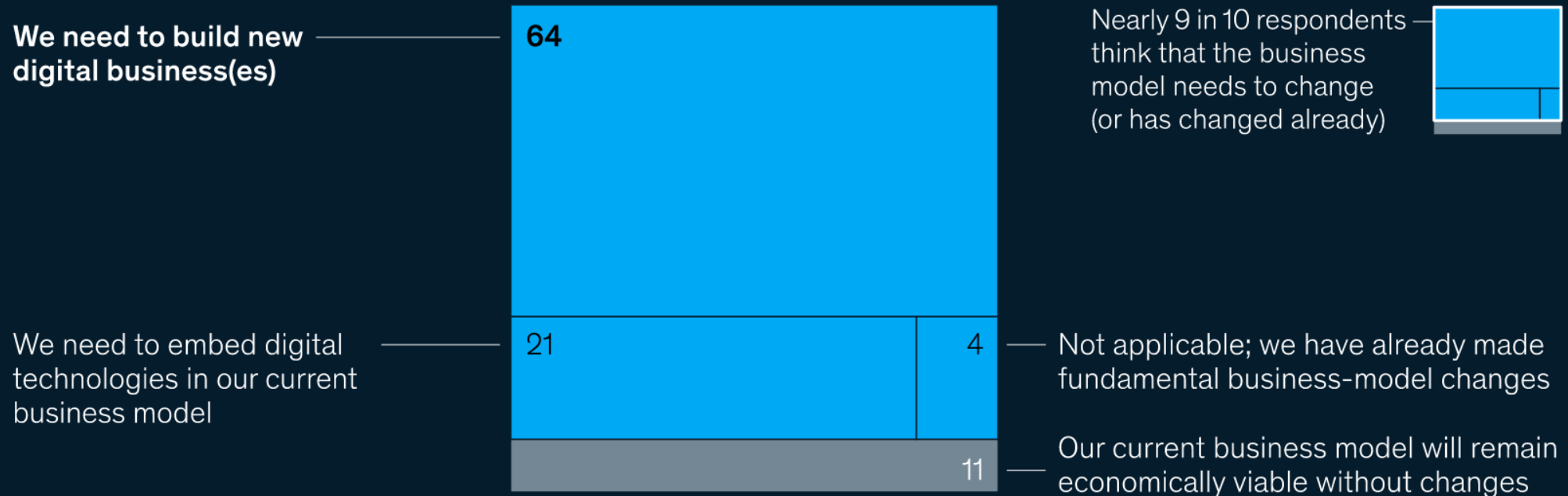
In this session we will cover following:

1. State of Digital Business
2. Democratization of Software development
3. Power Platform Overview
4. Q&A

State of digital business

Looking toward 2023, most companies will need to build new digital businesses to stay economically viable.

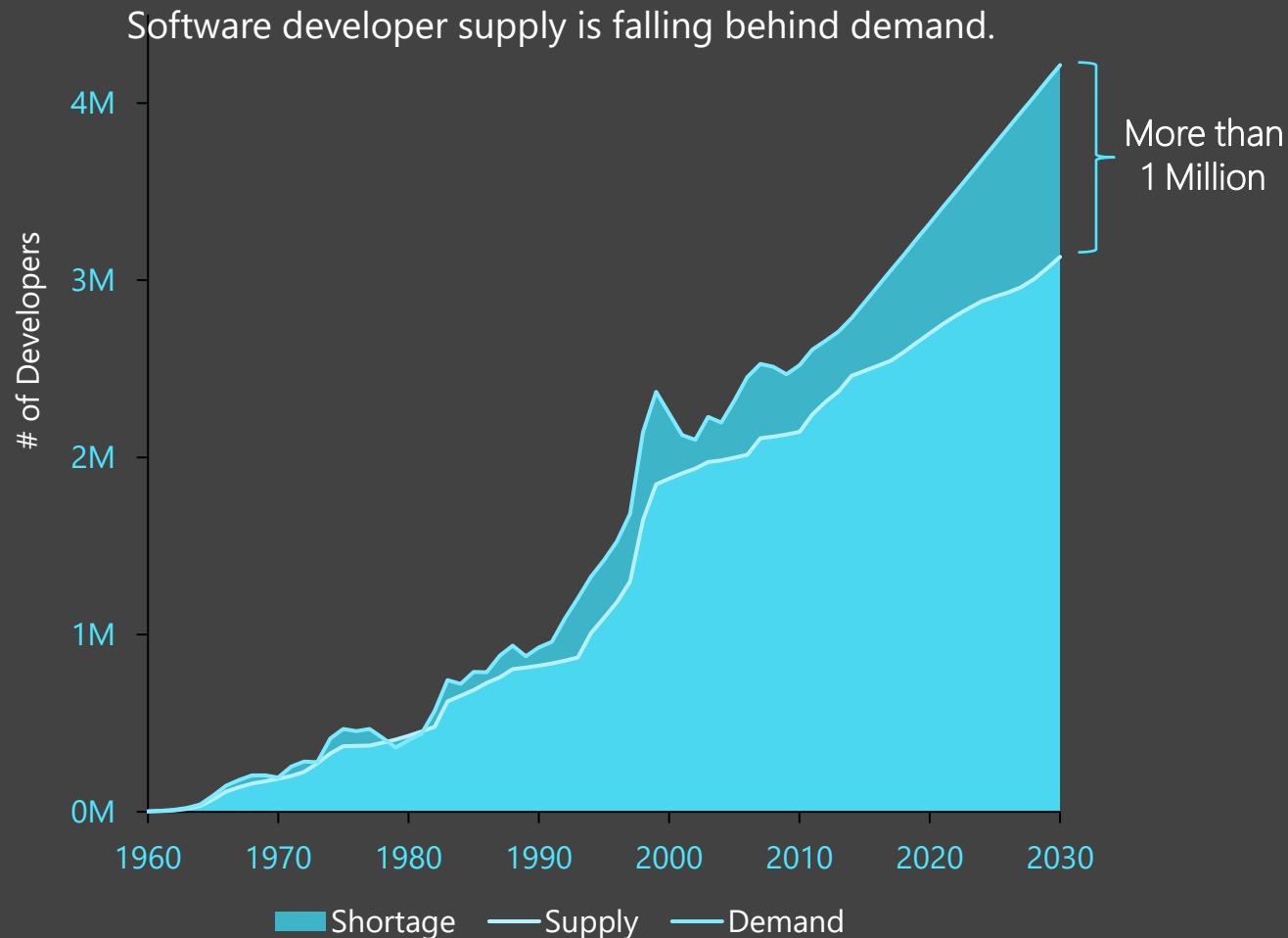
Changes needed to make company's business model economically viable by 2023, % of respondents¹



¹Respondents who answered "don't know" are not shown; n = 1,140.

The app gap challenge

A growing demand for apps - but not enough developers to build them



500 million

new apps will be built in the next 5 years – more than all apps built in the last 40 years!¹

5x

Faster demand for mobile apps than IT departments can deliver.²

86%

of organizations struggle to find technical talent to build applications.³

Custom code isn't keeping up with business demand

500 million

new apps will be built in the next 5 years - more than all apps built in the last 40 years.¹



Tech talent limitations



Ground up software development takes time



Surging digital demand



Security & compliance risks

1. IDC FutureScape: [Worldwide IT Industry 2020 Predictions](#). October 2019.

**We need to Build
more Software
at Faster pace
with better Quality**



democratization

#NoCodeLowCode #Compose #AI-peers

Low Code Application Development

Using the **right** tool for the job



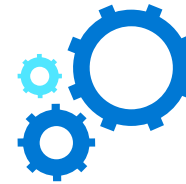
Meet business demand faster

Accelerate frontends and business process development



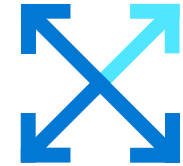
Reduce your costs

Get 74% reduction in app development costs



Seamless app development

Improve security posture and manage application lifecycle seamlessly

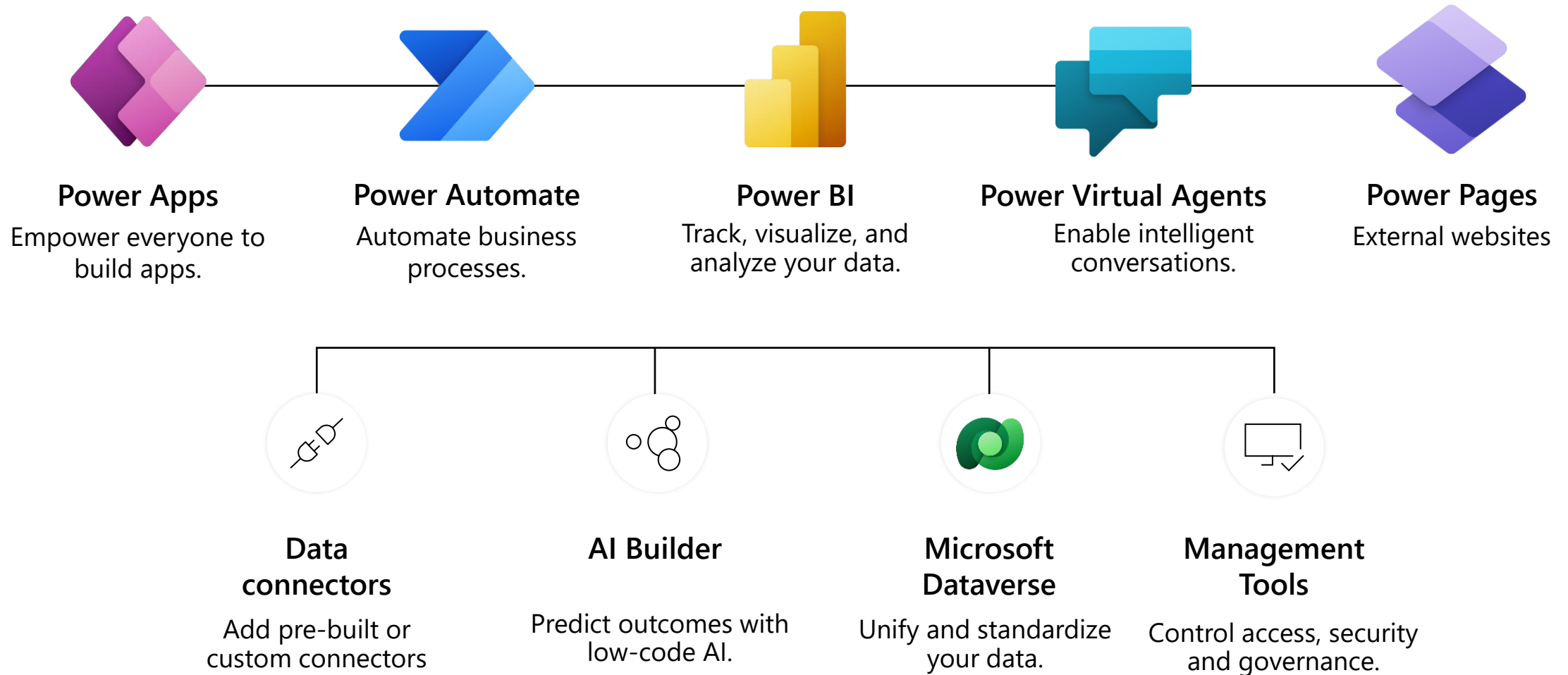


Effortless integration and extensibility

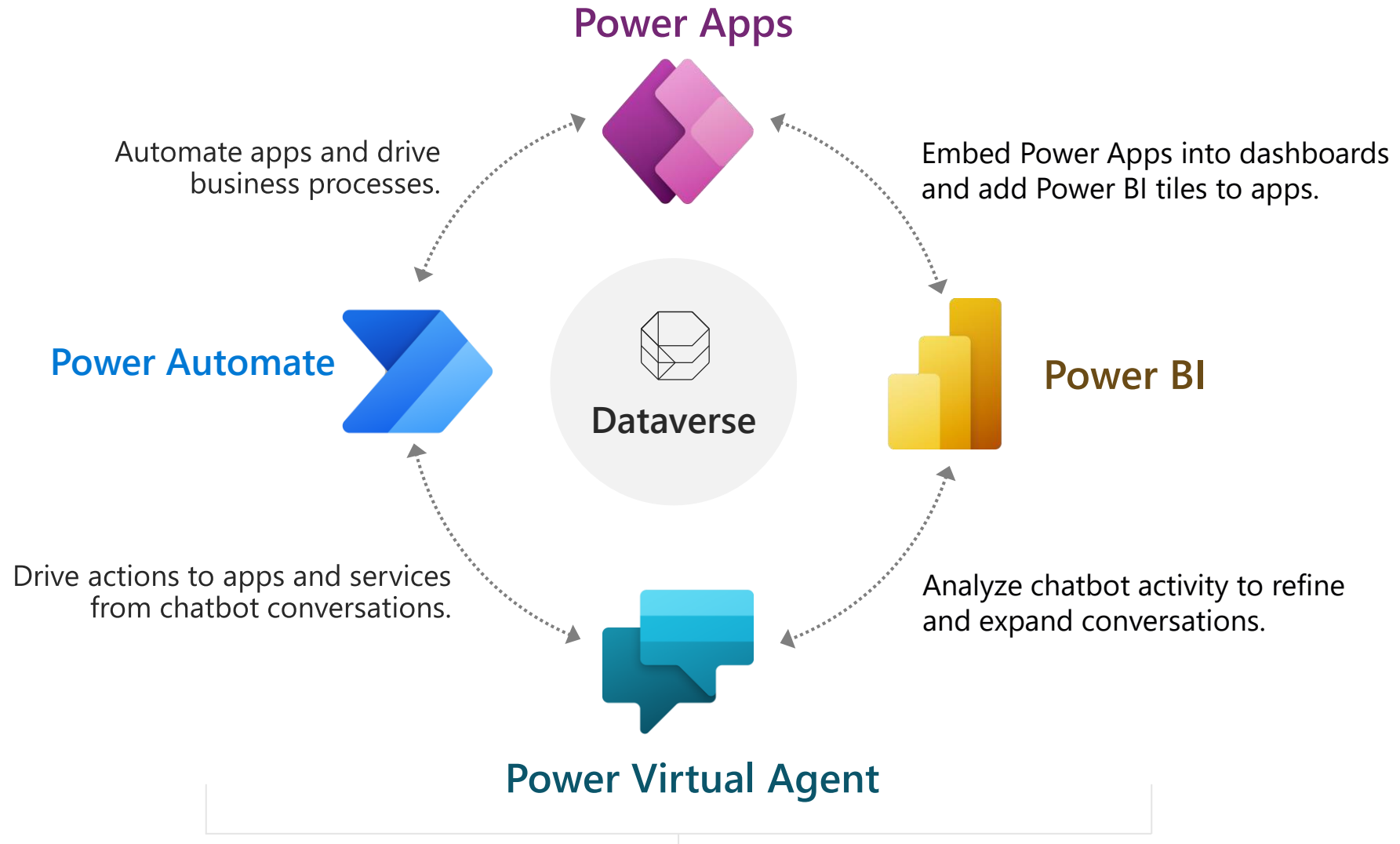
Extend apps with the ultimate flexibility

Microsoft Power Platform

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



Powerful alone. Even better together.





PowerApps

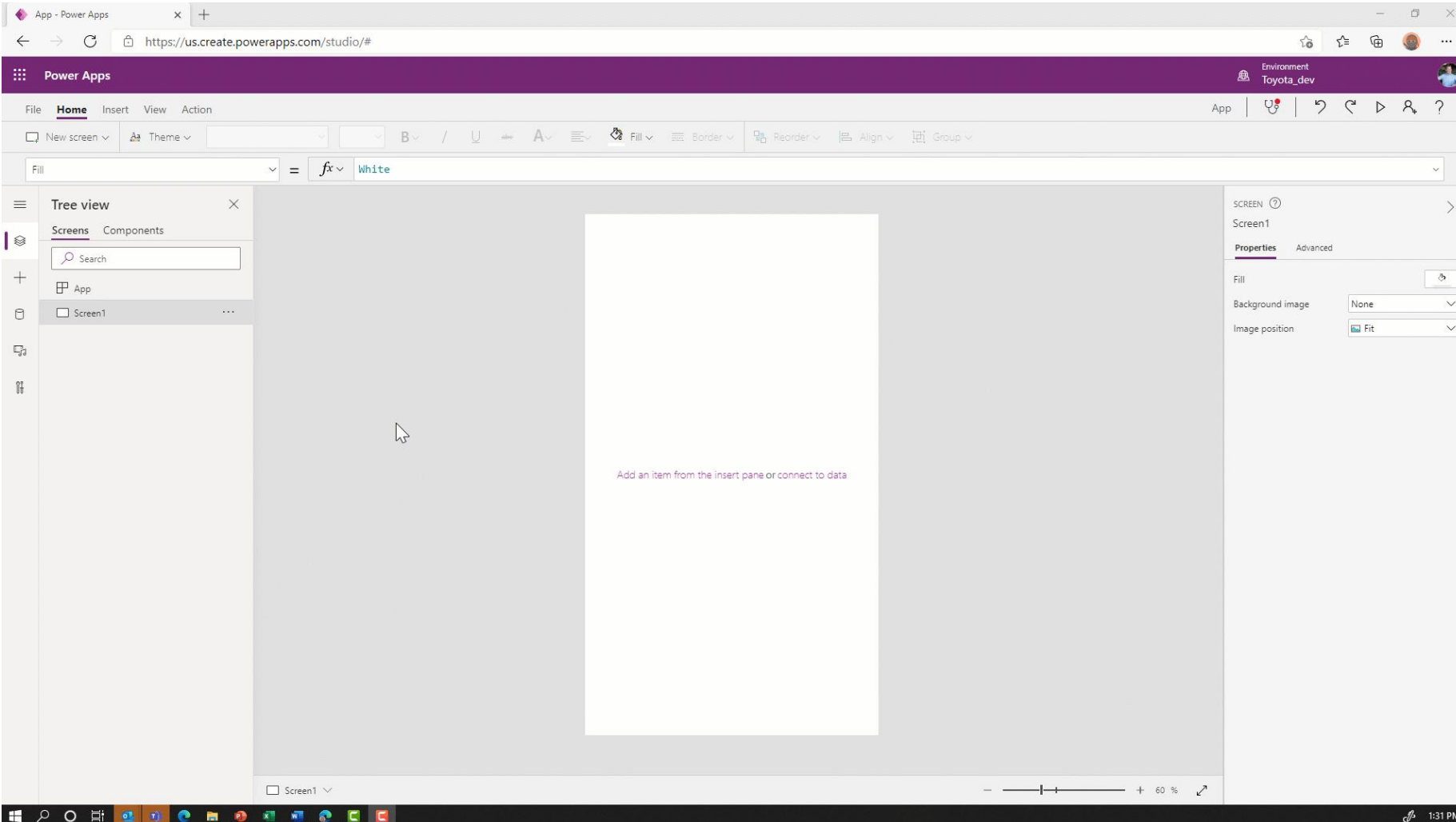
A low-code approach to building apps

Easily build web & mobile apps with a full featured low-code/
no-code platform (primarily LOB +
B2E apps today)

Connect to your existing data with
475+ pre-built connectors and custom
connectors

Strong enterprise governance &
security

Pro-dev extensibility enable “no
limits” development





Power Automate

A low-code approach to automation

The screenshot displays the Power Automate web application interface. On the left is a navigation pane with a hamburger menu icon at the top, followed by links to Home, Action items, My flows (which is highlighted with a blue bar), Create, Templates, Connectors, Data, Monitor, AI Builder, Process advisor (preview), Solutions, and Learn. The main area shows a workflow titled 'IV Per Diem Trigger'. A modal dialog is open for configuring the trigger step, 'When a file is created in a folder'. This dialog contains two input fields: '* Site Address' with the value 'Coe-Contoso - https://pmgevents.sharepoint.com/sites/Coe-C...' and '* Folder Id' with the value '/Shared Documents/IV Orders'. Below these fields is a link for 'Show advanced options'. At the bottom of the main workflow area are two buttons: '+ New step' and 'Save'. The top of the interface features a blue header bar with the 'Power Automate' logo, a search bar for helpful resources, and user account information including 'Environments', 'Contoso Health & Scre...', and a profile picture.

Model business processes and automate workflows and your apps and services

Connect to all your data with 400+ pre-built connectors, RPA and custom connectors

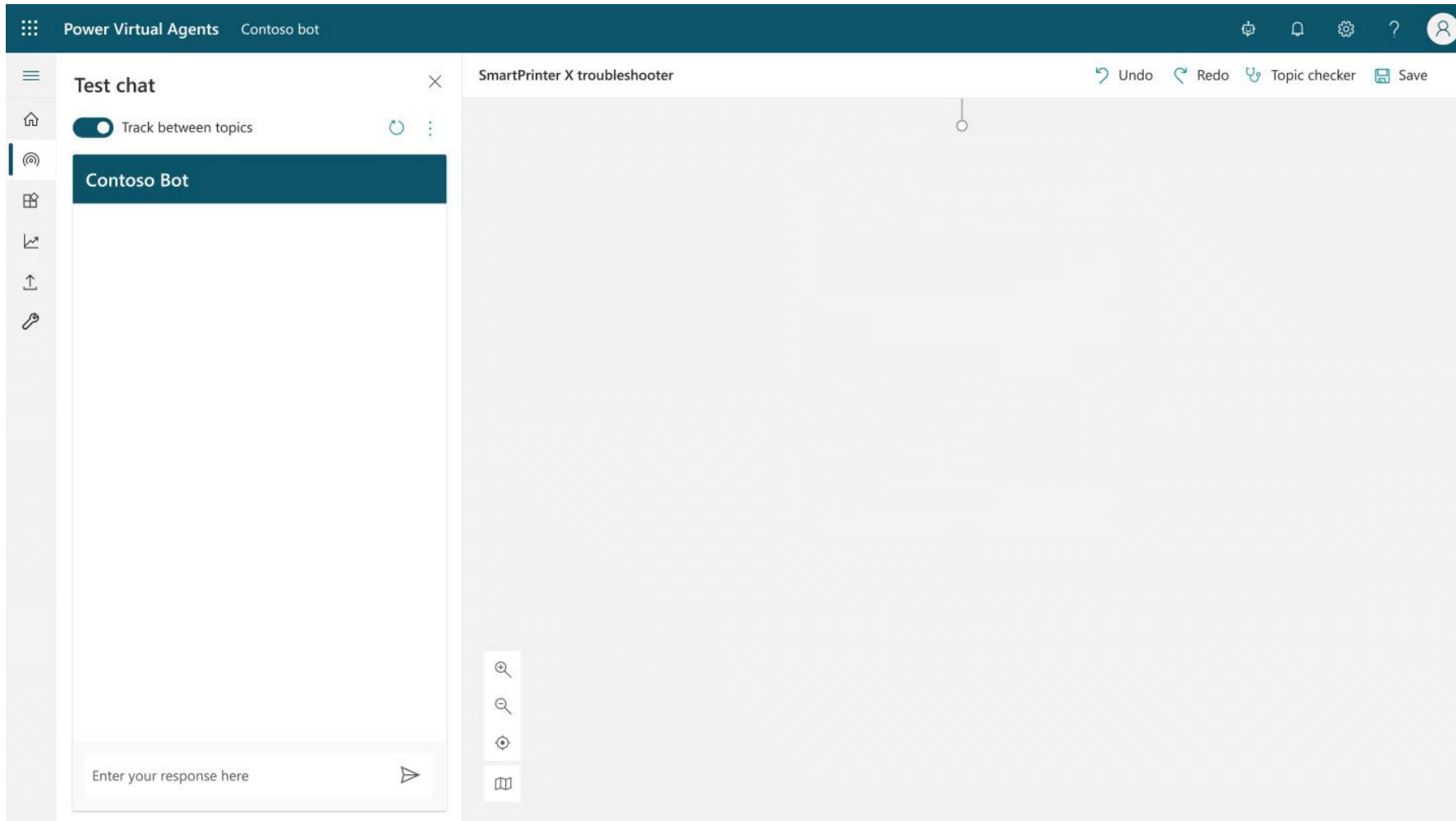
Strong enterprise governance and security

Pro-dev extensibility with Azure and custom logic



Power Virtual Agents

A low-code approach to chat bots



Engage with your customers and employees conversationally. Resolve routine issues easily, freeing up staff to focus on complex matters

Empower your subject matter experts. Easily create powerful bots using a guided, no-code graphical interface and AI-driven suggestions

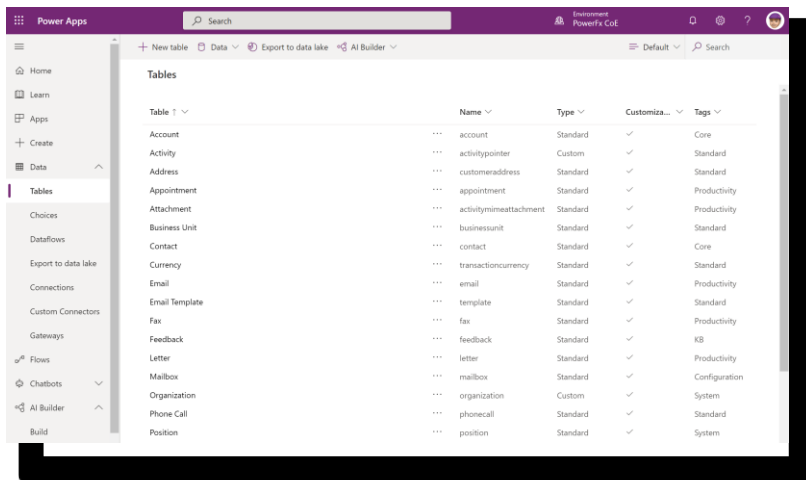
Less talk more action. Leverage all the Power Platform connectors or call APIs and custom processes using Power Automate

Easily extend your bots. Add even more complex capabilities using Microsoft Bot Framework



Microsoft Dataverse

A SaaS backbone of Power Platform Services



Dataverse lets you securely store and manage data that's used by business applications. Data within Dataverse is stored within a set of tables.

Dataverse includes a base set of standard tables that cover typical scenarios, but you can also create custom tables specific to your organization and populate them with data by using Power Query.

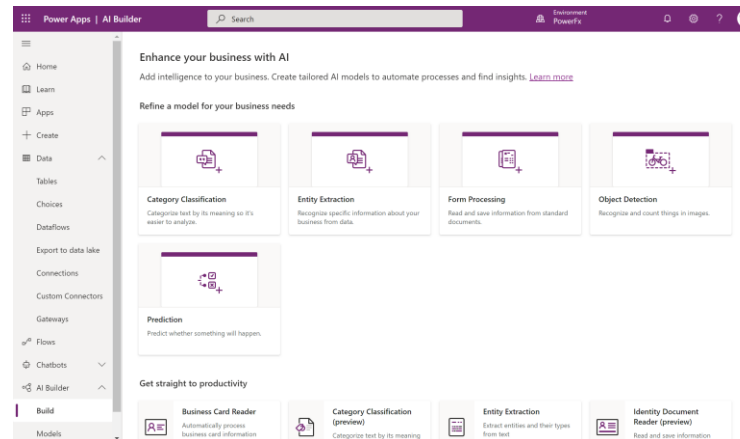
App makers can then use Power Apps to build rich applications that use this data. Standard and custom tables within Dataverse provide a secure and cloud-based storage option for your data.

Application Lifecycle Management (solutions) and Microsoft solutions – such as Microsoft Approvals – are based on Microsoft Dataverse



AI Builder

A low-code approach to Microsoft AI



AI Builder enables your business to use AI to automate processes and glean insights from your data in Power Apps and Power Automate.

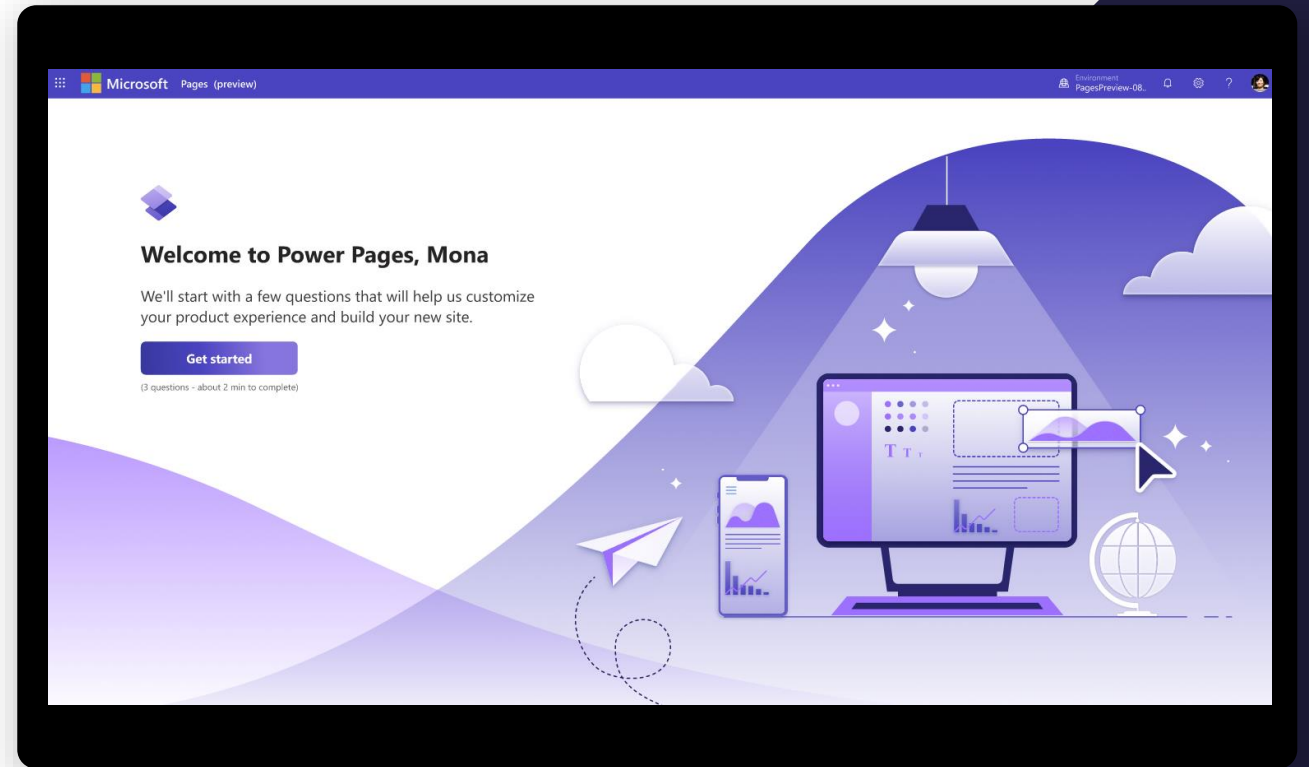
AI Builder is a turnkey solution that brings the power of AI through a point-and-click experience, so you don't need coding or data science skills to access the power of AI.

With AI Builder, you can build custom models tailored to your needs, or choose a prebuilt model that is ready to use for many common business scenarios.



Power Pages

Enable anyone to build low-code, external business websites worldwide



Power Pages: Enable anyone to build low-code, external business websites worldwide



Make authoring easy for everyone

Enable everyone in your organization to design and launch engaging websites in minutes – no coding required.



Build without boundaries

Empower your developers with advanced, web design tools that can take your pages to a whole new level.



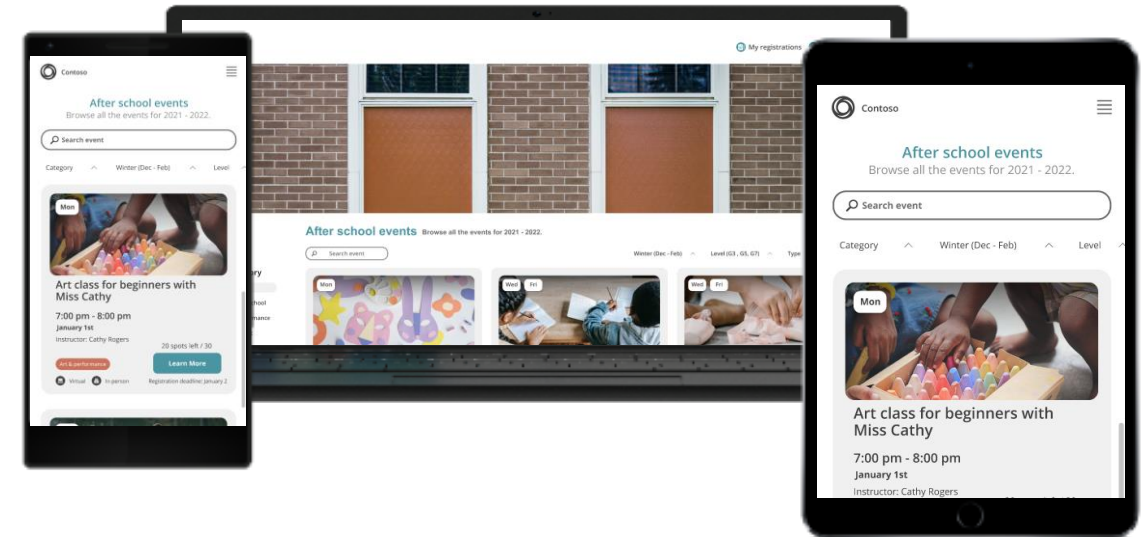
Share with confidence

Manage all your sites through one, convenient dashboard and meet your most demanding security and compliance requirements.



Snap in exciting new capabilities

Add dashboards, document sharing, chatbots, automation, and more for a smarter experience, with seamless integration to Power Platform and other Microsoft services.



Make authoring easy for everyone



Design pixel perfect pages with ease. Drag and drop components like forms, views, charts, dashboards. Select predefined layouts or customize pages with your own styles.



Make secure login easy. Enable users to sign in with their existing Microsoft, LinkedIn, Facebook or Google accounts or through Azure Active Directory or other enterprise identity providers.



Add a search engine. Enable users to search for content across your website using built-in, global search functionality. You can even customize your search to control which parts of your page are searchable.



Support multiple languages. Enable visitors to view and interact with your page in more than 40 languages. Power Pages will even translate metadata automatically.

Build without boundaries



Customize your sign-in experience. Set your own authentication requirements (such as an access code), enable anonymous access for selected content – and even customize data for specific groups and users.



Expand your existing websites. Embed a whole Power Pages microsite or add specific pages to your website to quickly expand functionality and securely share new content.



Accelerate development with your own templates. Help your team get started even faster by designing your own, re-usable web templates complete with company branding.



Bring custom code to low-code. Developers can build customized pages and complex business logic using open-source Liquid code and Web API services. Acquire any bootstrap theme for a great experience on any device.



Make authoring easy
for everyone.



Build without
boundaries



Share with confidence.



Snap in exciting new
capabilities.

Share with confidence



Unify your management experience. Manage all pages across your tenant and from the Power Platform admin center and get real time reports on page views and logins.



Support multiple security scenarios. All website users are modelled as contacts in your Dataverse database and can be securely authenticated for both B2C and B2B interactions.



Make your site more accessible. Power Pages conforms to global accessibility standards, including accommodations for sight and hearing impairments.



Manage and remediate, faster. Advanced admin options include IP address filters, server-side logs, and a self-service diagnostic tool that can automatically identify issues and suggest quick fixes.



Make authoring easy
for everyone



Build without
boundaries

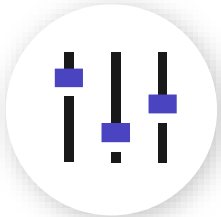


Share with confidence



Snap in exciting new
capabilities

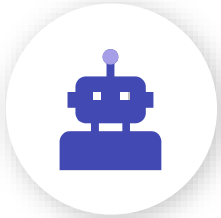
Snap in exciting new capabilities



Display real time metrics and analytics. Integrate Power BI and embed components like reports, real time dashboards and tiles directly into your websites.



Share documents and files. Native support for SharePoint and Azure Blob storage makes it easy to upload and share documents from multiple data sources across your organization.



Enable self-service agents. With Power Virtual Agents, you can easily create and publish AI-driven chat bot experiences to your websites to enhance buying experiences, customer support, and other services.



Get a better understanding of your website traffic. Integrate with Azure Application Insights for in-depth usage telemetry. Better assess and predict your users' needs, goals, and behaviors to fully optimize your website experiences.



Make authoring easy
for everyone



Build without
boundaries

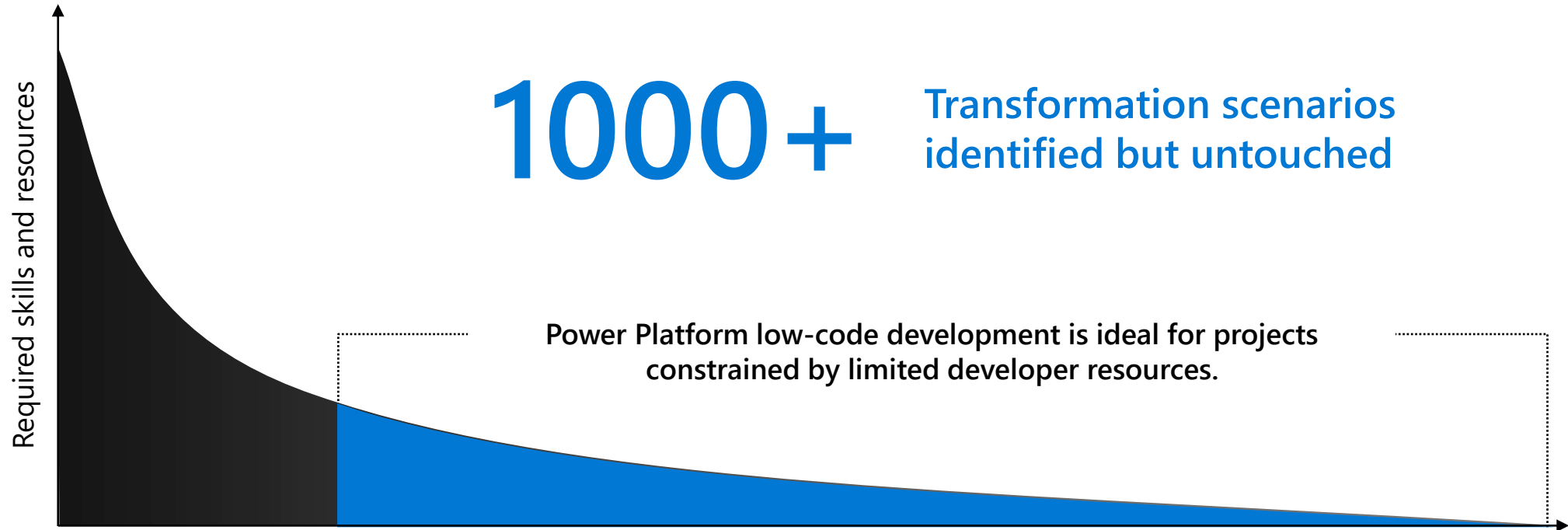


Share with confidence



Snap in exciting new
capabilities

Power Platform extends your development potential



The average cost to develop an app is 74% less with Power Platform than with traditional coding methods.

Add even more power to the Power Platform

Pro Developers + Power Platform = No Limits

Power
Platform



Power Apps



Power Automate



Power Virtual Agents



Power BI

Every
Developer
(Low Code)

Azure
services



Analysis
Services



API
Management



Azure
Functions



Kubernetes
Service



Logic
Apps



Cognitive
Services



Bot
Services

Pro
Developer
(Code First)

Azure / Office
Data Services



Microsoft
Graph



Dataverse



Azure Synapse
Analytics



Cosmos DB



Visual
Studio



VS
Code



Power Apps
Internal
Collaboration



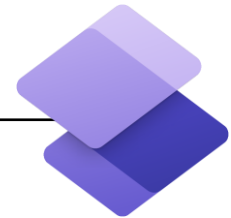
Power Automate
Intelligent Automation
across systems



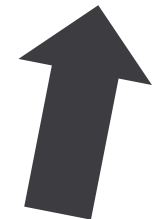
Power BI
Track, visualize, and
analyze your data.



Power Virtual Agents
Customer facing
intelligent agents

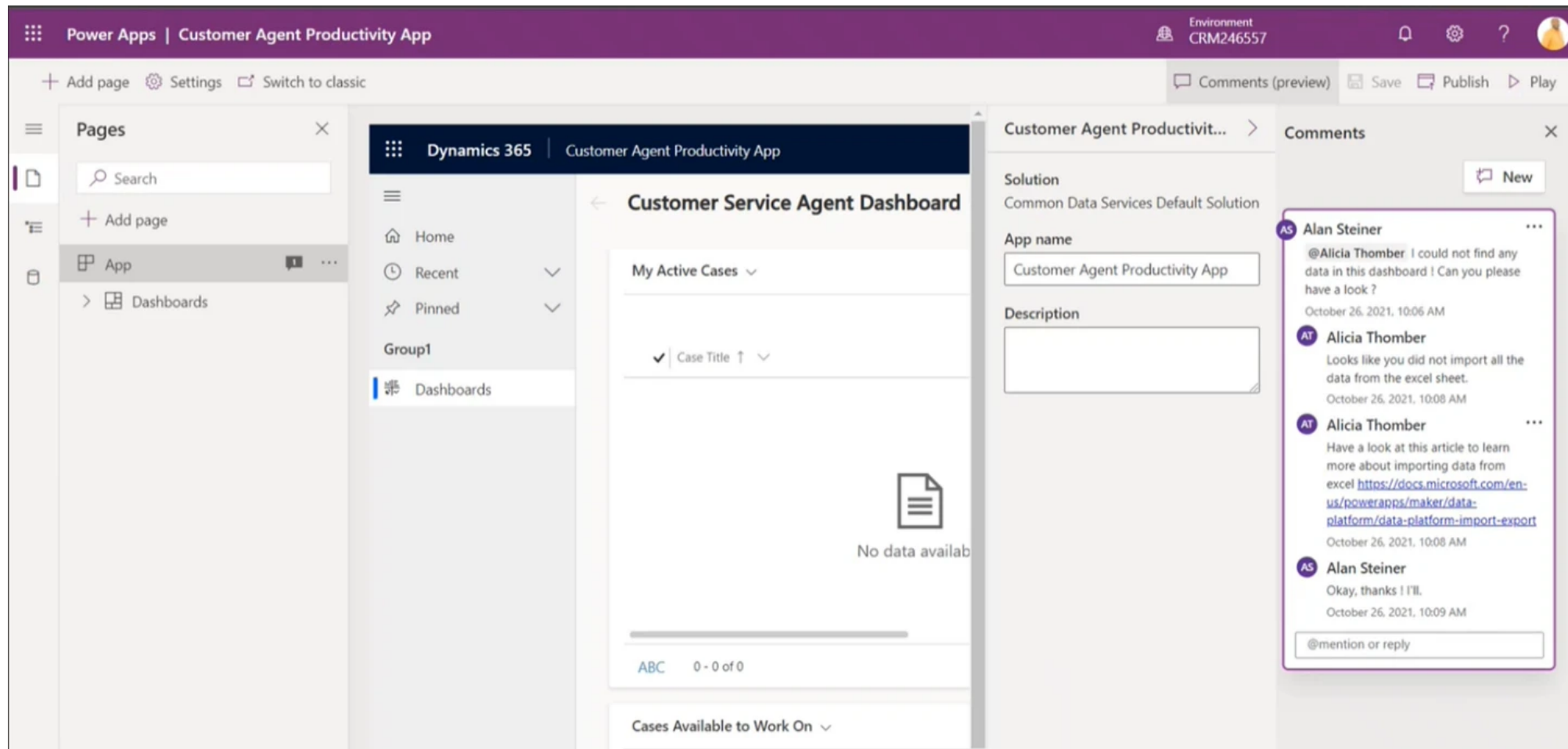


Power Pages
External websites



Enhanced collaboration for users building apps

Built-in commenting, users can write and share Office-like comments directly inside the authoring canvases of Power Apps, Power Virtual Agents, and Power Automate



Power Apps mobile apps

Enabling makers to package Canvas apps as Android and iOS mobile apps for corporate end users.

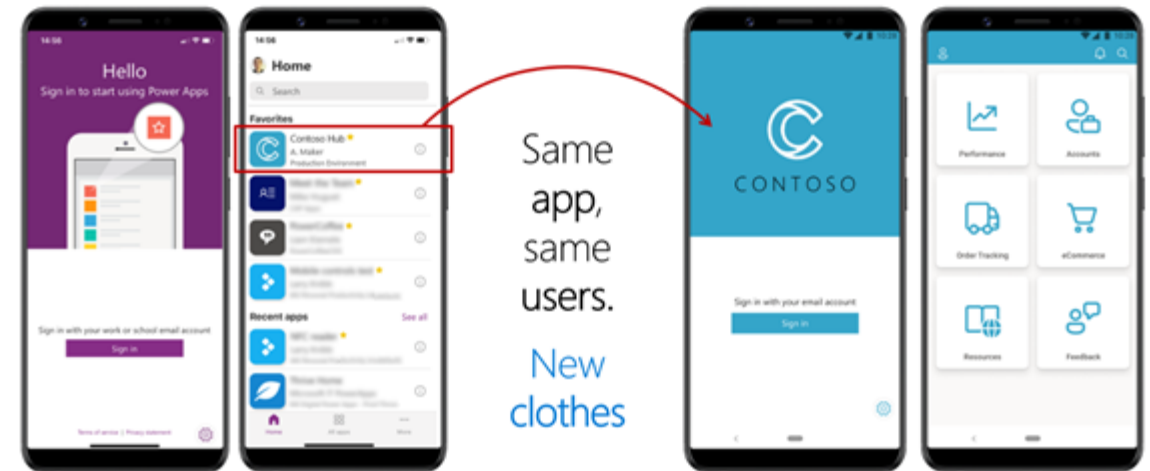
[Low-code mobile app creation](#) – we build the app for you!

[Seamless end-to-end branding](#) from home screen icon to app UX

[Embed multiple Canvas apps](#) into a single mobile app

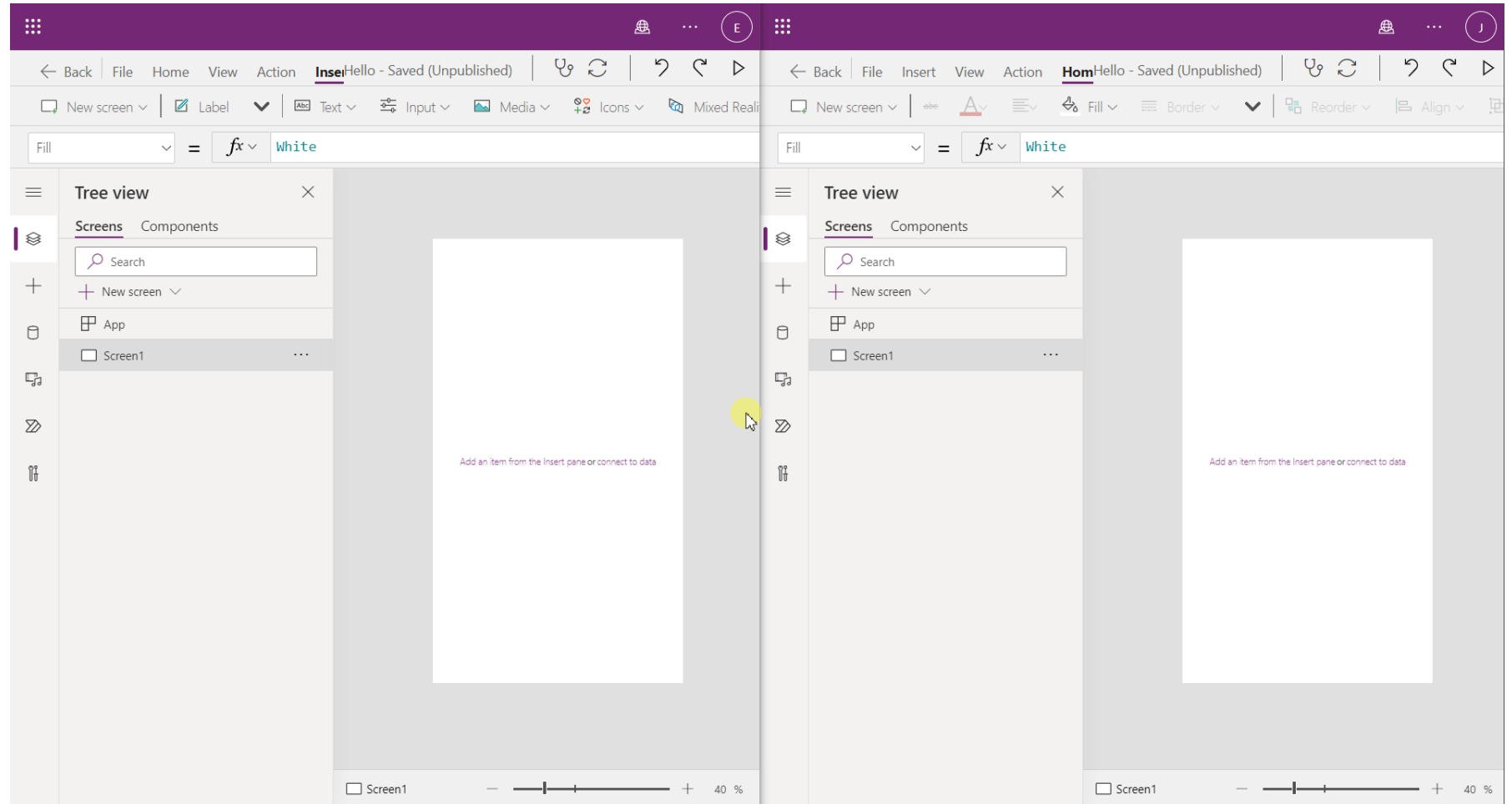
[Distribute your app natively](#) to meet end users where they are

[Enterprise governance with Intune](#) for individual Canvas apps



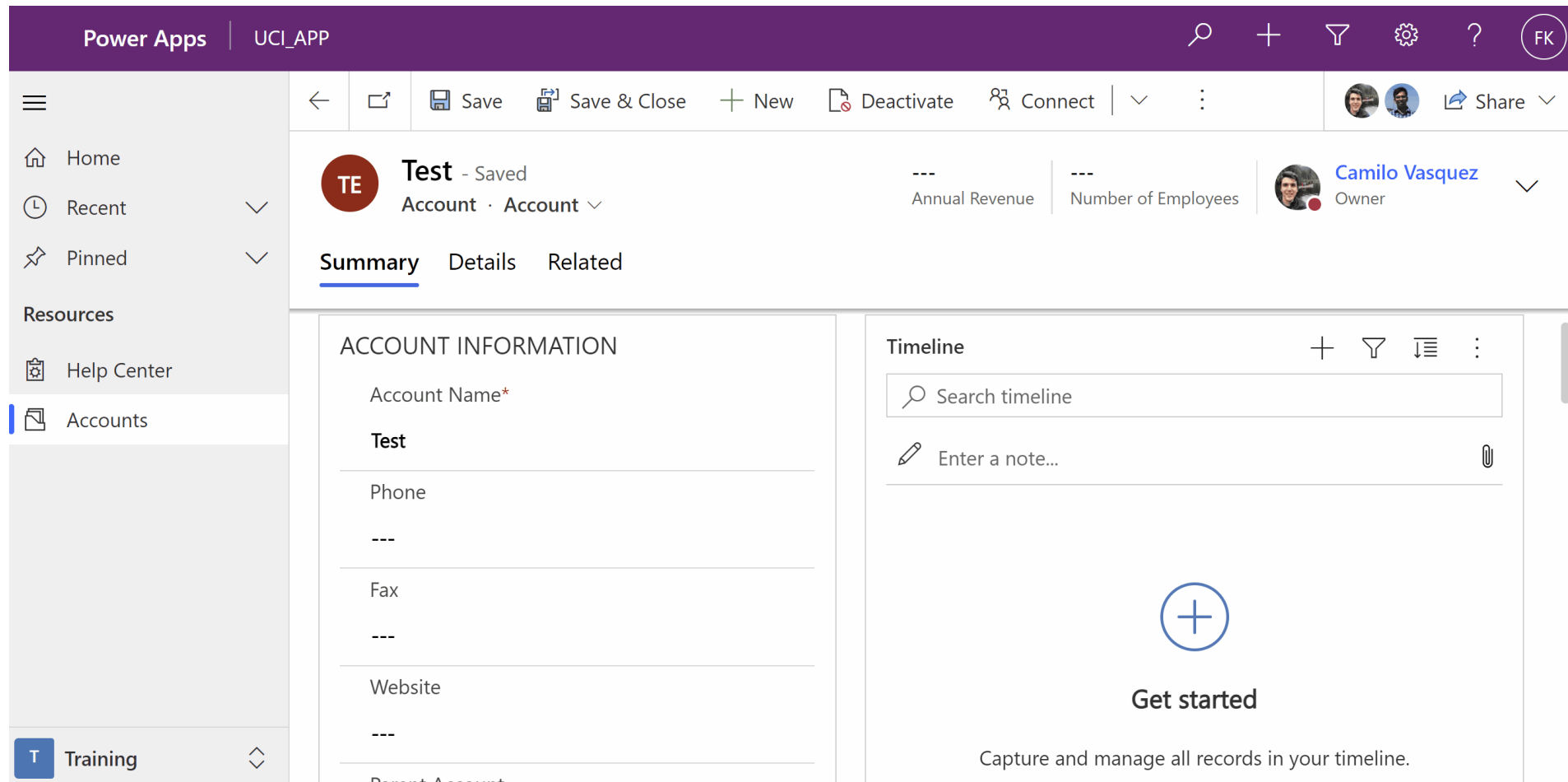
Co-authoring for Power Apps Studio

Two or more makers can load a Canvas app in Power Apps Studio, make independent changes, and save to merge those changes with other makers. Merges are semantically aware of the app structure, making for a much cleaner result.



Easy collaboration with multiplayer apps

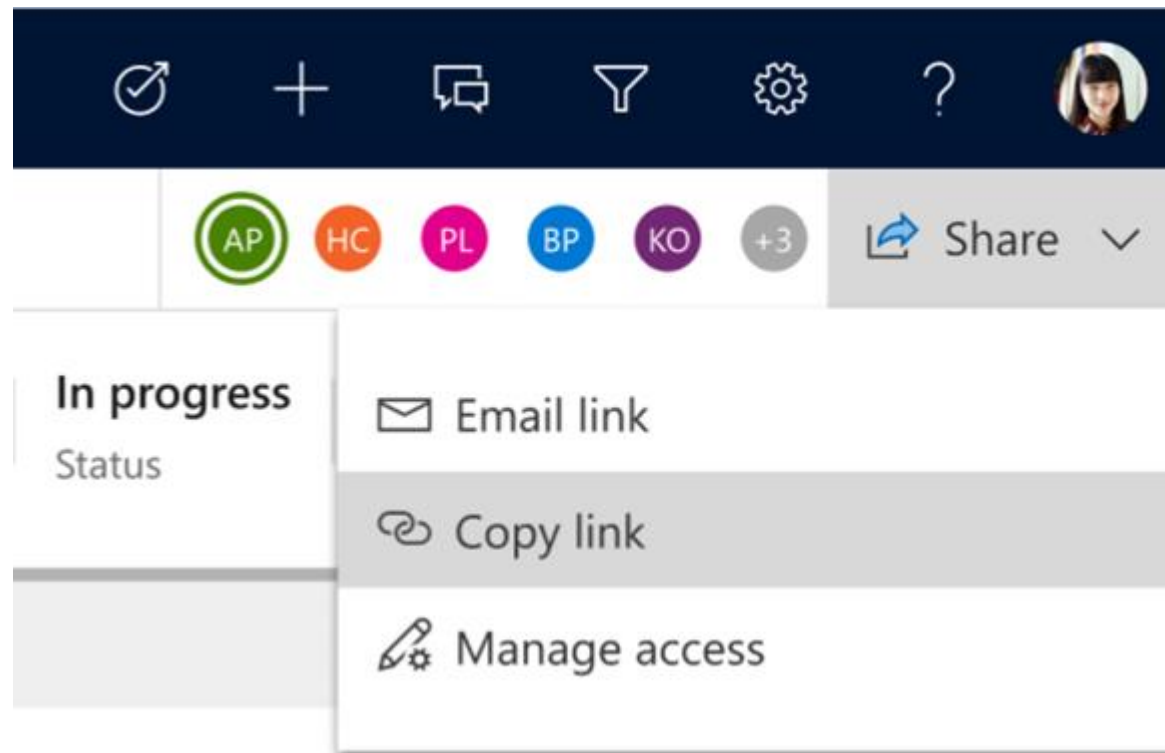
Power Apps model-driven apps will help you connect with the right people quickly by showing you who's available and who's currently working on a record.



Easy record sharing

Share records as easy as Microsoft Office documents. Use the new share button to email a link or copy the link and share it with someone else. A link to the record can only be shared with users who have permissions to access the record.

This feature is currently available for the Account, Case, Opportunity, and Contact tables.



Useful Links

- [Business Application Platform | Microsoft Power Platform](#)
- [Microsoft Power Platform documentation - Power Platform | Microsoft Docs](#)
- [Power Apps real-world solution architectures - Power Platform | Microsoft Docs](#)
- [Microsoft Power Platform adoption best practices - Power Platform | Microsoft Docs](#)
- [Power CAT Apps & Automate Architecture Series – YouTube](#)
- [Microsoft Certifications | Microsoft Docs](#)



Thank you.