

Microsoft Learn



Exam Readiness

Preparing for PL-100

Preparing for the PL-100

Power Platform App Maker Exam

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The journey to Microsoft Certified:

Power Platform



Start hereDecide if this is the right certification for you







Browse all Power Platform certifications

Pass required exam to earn your certification

PL-900

Power Platform Fundamentals Pass required exam to earn your certification

PL-100

Microsoft Power Platform App Maker

PL-200

Microsoft Power Platform Functional Consultant

PL-300

Microsoft Power BI Data Analyst

PL-400

Microsoft Power Platform
Developer

PL-500

Microsoft Power Automate RPA Developer Pass required exam to earn your certification

PL-600

Microsoft Power Platform Solution Architect



Exam Core Concepts

- Design business solutions (20 25%)
- Analyze and visualize data (10 15%)
 - Creating and consuming Power BI Dashboards
 - Describing Al Builder models
- Create business solutions (60 65%)
 - Manage Power Platform components
 - Create model-driven apps
 - Create canvas apps
 - Configure Dataverse
 - Create Power Automate flows
 - Create Power Virtual Agents chatbots in Teams

- Create a high-level design
- Identify Power Platform components
- Design the user interface (UI) and reporting/visualizations

Create a high-level design

- ✓ Identify existing data sources needed
- ✓ Describe the expected user experience
- ✓ Describe the differences between Microsoft Power Platform app types
- ✓ Create a high-level structure for a new data sources

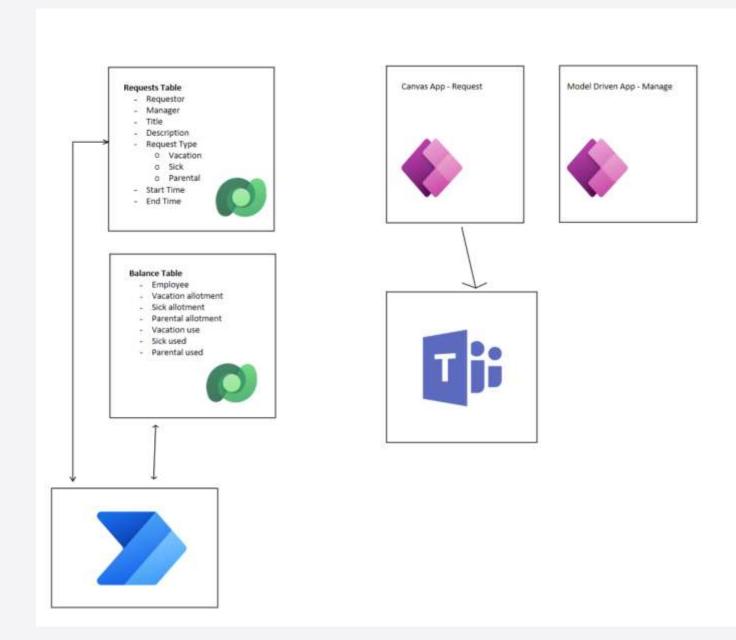
Identify Power Platform components

- ✓ Determine the required Power Apps app type
- ✓ Determine when to use Dataverse for Teams
- ✓ Map a problem domain to Microsoft Power Platform tools
- ✓ Identify options for implementing business logic
- ✓ Describe connectors
- ✓ Describe uses cases for cloud flows and desktop flows
- ✓ Describe use cases for chatbots in Microsoft Teams

Sample Business Problem: Time Off Request

- Users need an application that works on mobile and desktop to view and submit their time off requests
- Approvers should receive automatic notifications to approve requests
- Approvers and admins need a way to see all submitted requests and to build reports off the data
- Your organization uses Microsoft Teams heavily
- The org is large, and you expect a high volume of data

Design



Easily integrate with Microsoft Teams

Microsoft Teams integrations

Ready-made apps















+ hundreds of partner apps

Low-code apps & workflows

(Power Platform)

Power Apps



Build custom apps

Power Automate



Automate repetitive tasks

Power Virtual Agents



Create tailored chatbots

Power BI



Visualize and discuss data

Full-code custom solutions



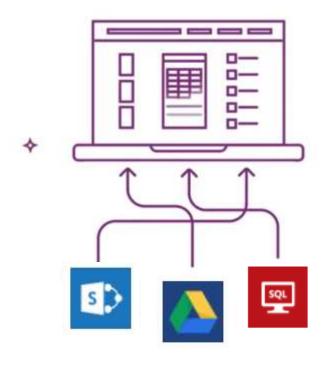






A connector is a wrapper

A **connector** is a wrapper around an API that allows the underlying service to talk to **Power Automate** and **Power Apps**





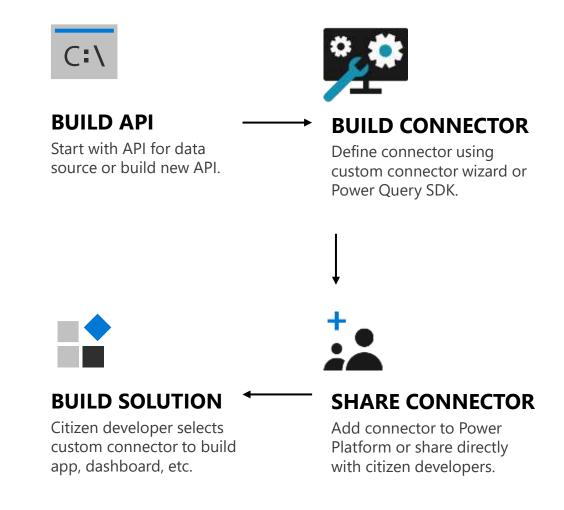
Cloud and on-premises connectivity

- Built-in connectivity to cloud services, files, databases, web APIs, etc. using public connectors
- Seamless hybrid connectivity to on-premises systems via the On-Premises Data Gateway
- Connect to the service with your own security credentials
- Open source
 - https://github.com/microsoft/PowerPlatformConnectors
- With custom connectors, you can extend the reach for your organization



Unlock access to any data source with custom connectors

- Communicate with services that are not available as prebuilt connectors.
- Create a connector using in-product wizards in Power Platform
- Connectors in Power Automate can include your own triggers and actions.
- Connectors in Power BI can include your own logic and credential options.



Describe the UI

- ✓ Identify opportunities for component reuse
- ✓ Select UI elements for canvas apps
- ✓ Identify the model-driven forms and Microsoft Dataverse views that are needed

Low-code Creation of Reusable Components



Quickly develop reusable, embeddable components with the low-code canvas



Reuse within and across apps; compose with pro-dev components



Enable faster and more consistent development when many makers are using the same components



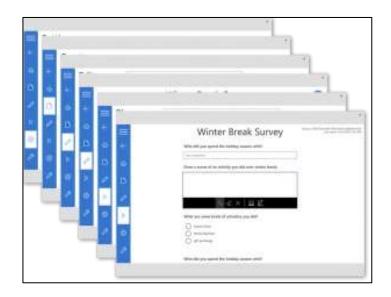
Types of components

Canvas Components

Targeted for canvas app makers

Built in Power Apps Studio using Power Fx

Works in canvas apps

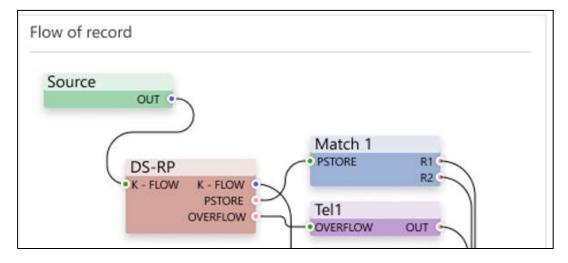


Power Apps Component Framework (PCF)

Targeted for professional developers to build

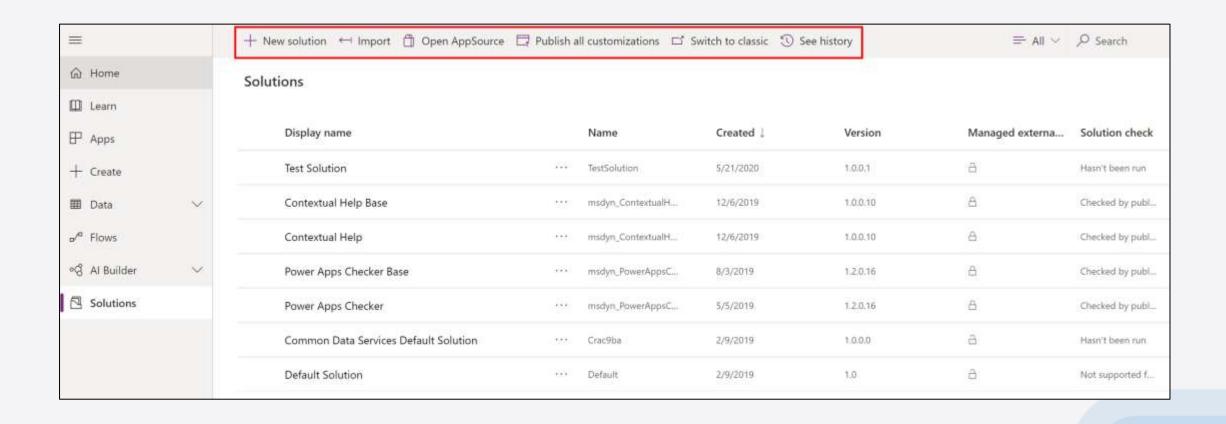
Built in TypeScript using pro tooling

Works in model-driven, canvas and portal apps

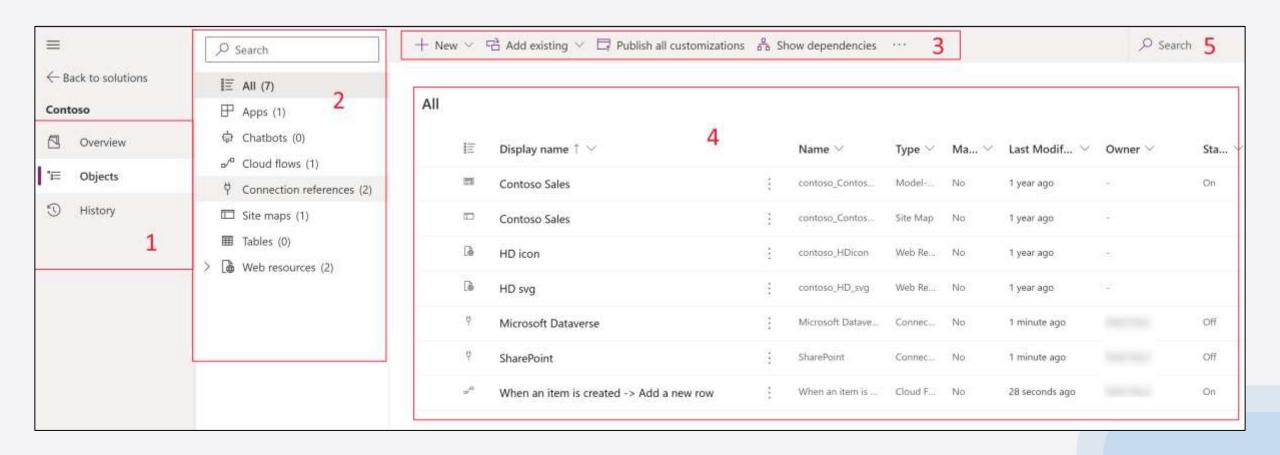


Solutions

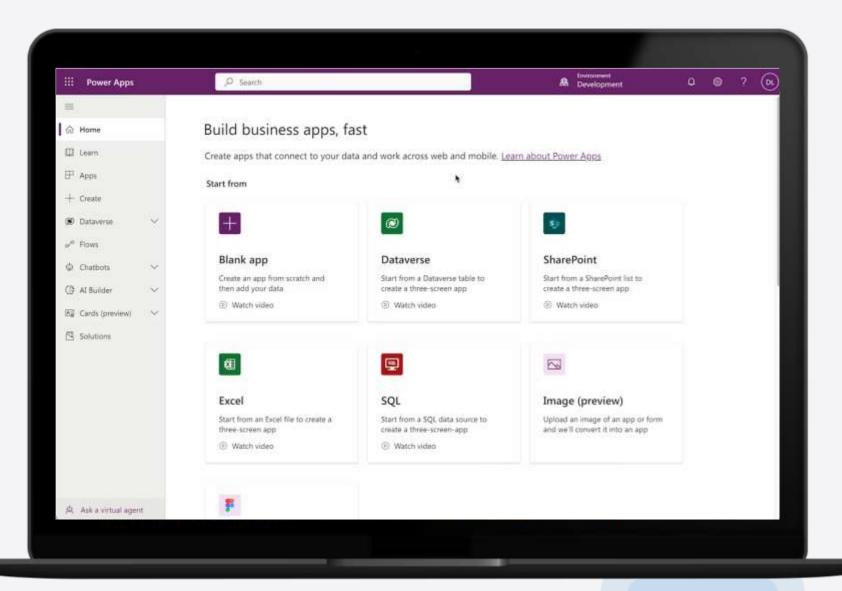
Solution Overview



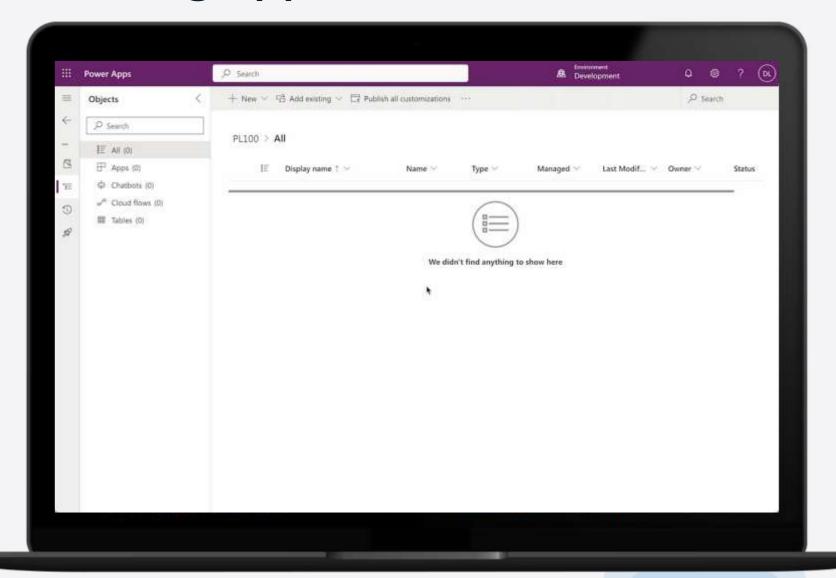
Solution View



Create a new solution



Add an existing app / flow to a solution



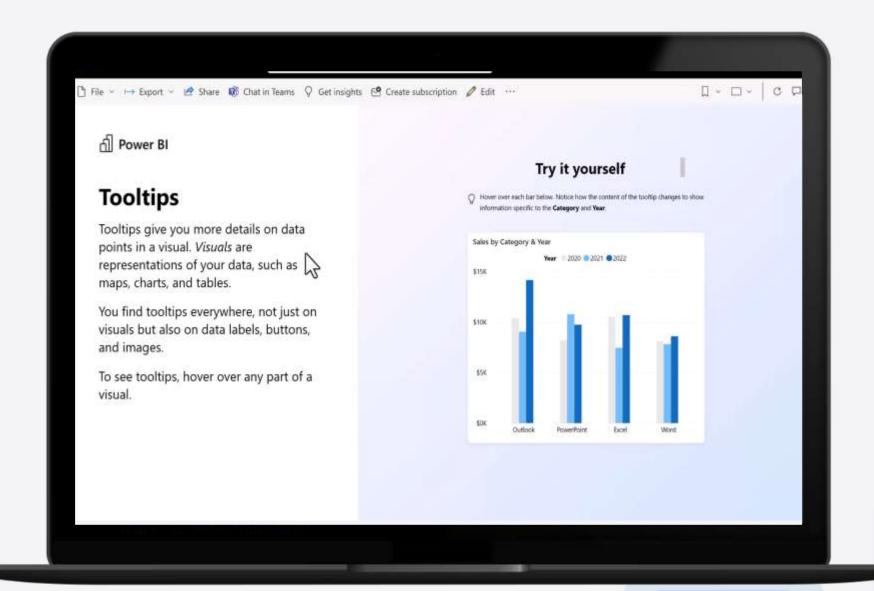
Analyze and Visualize Data



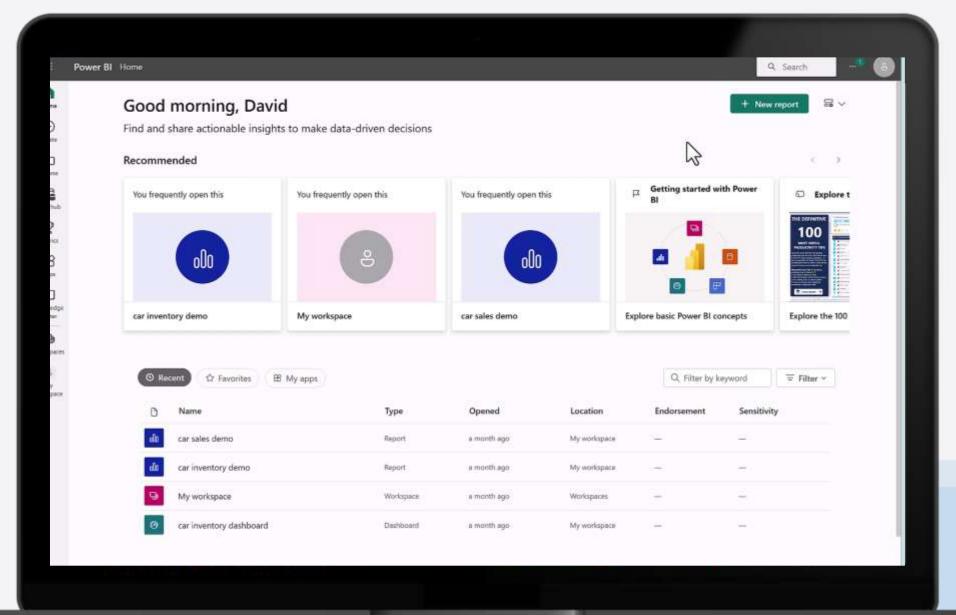
Create and consume Power BI dashboards

- Create and consume Power BI dashboards
- Create a simple report from an existing dataset by using Power BI Service
- Create Power BI dashboards from existing reports
- Share Power BI dashboards
- Embed Power BI dashboards and tiles in canvas apps and model-driven apps

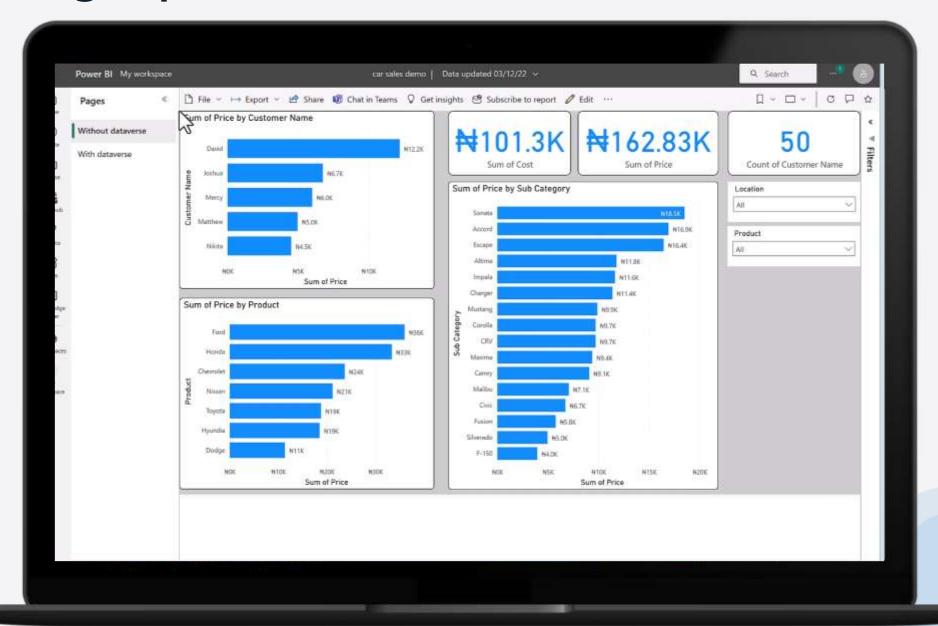
Create and consume Power BI dashboards

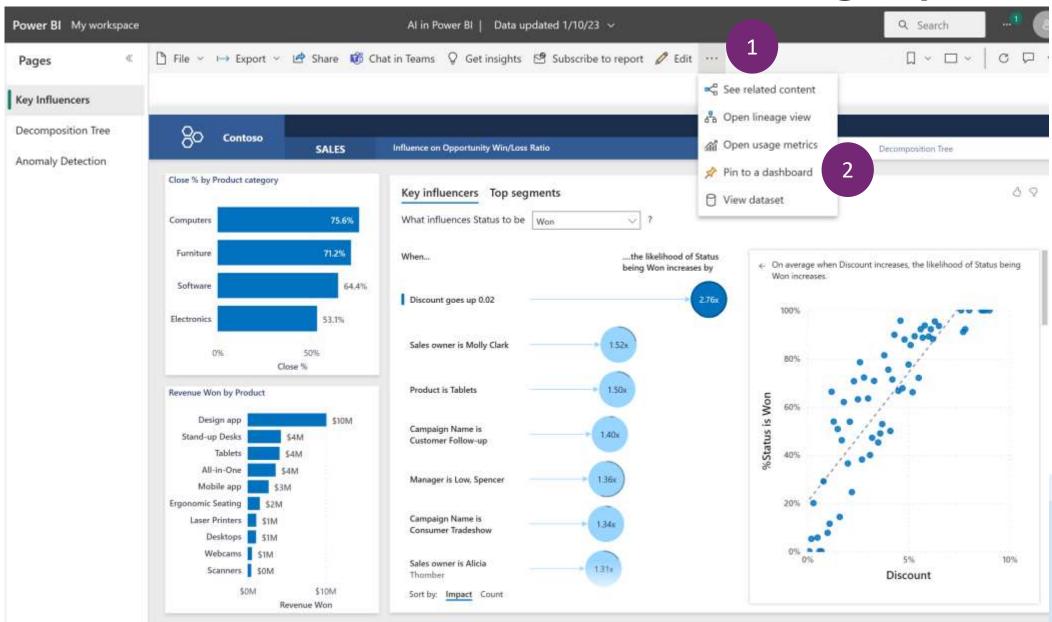


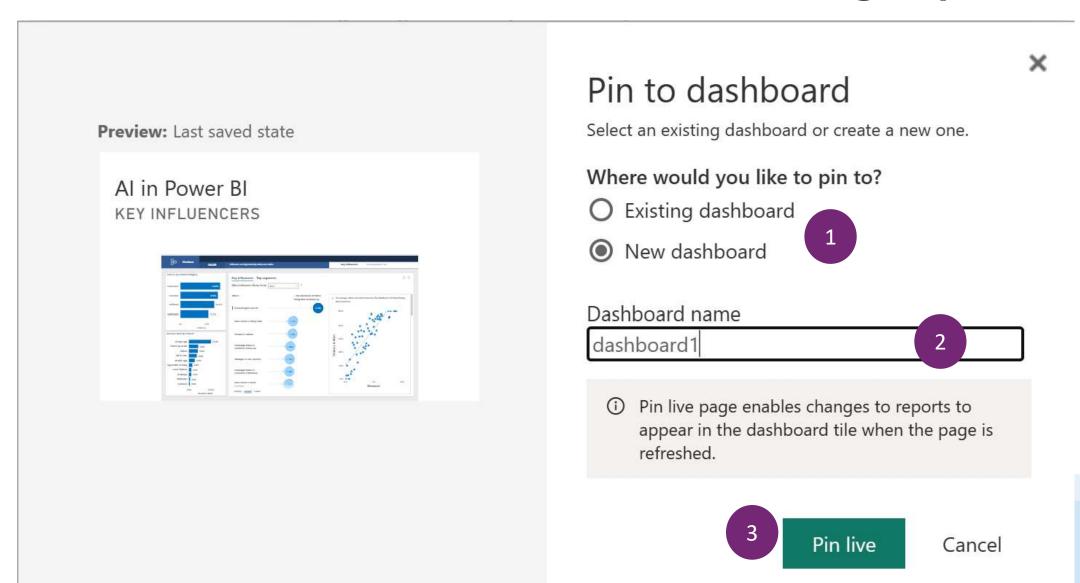
Create a simple report from an existing dataset by using Power BI Service

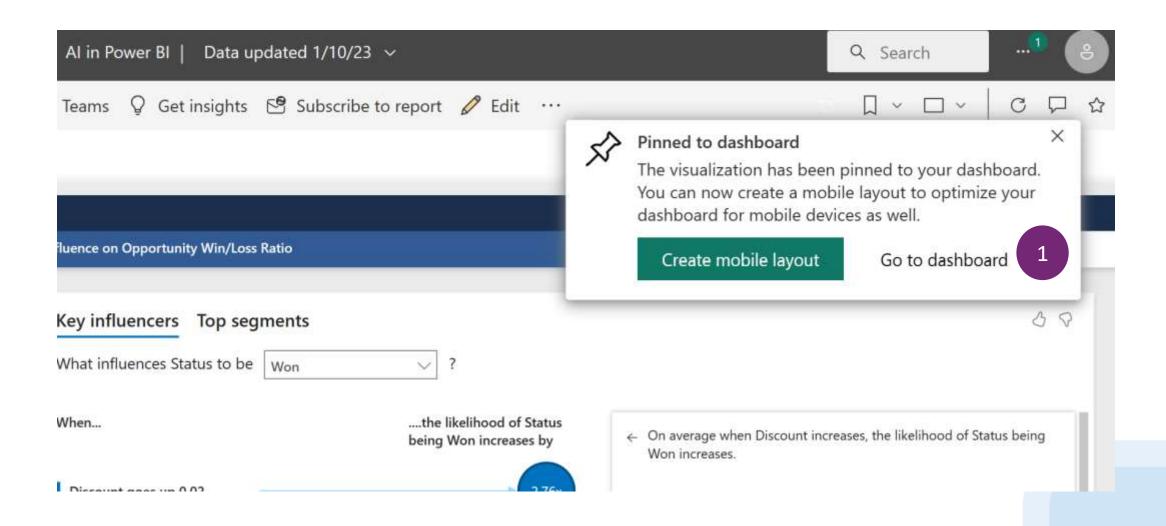


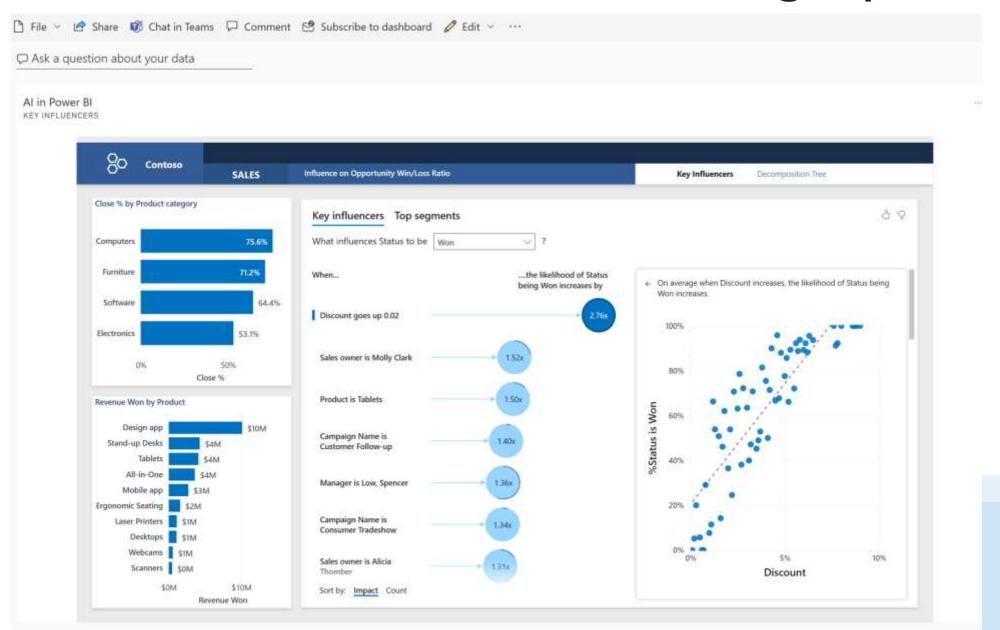
Edit existing reports within Power BI Service



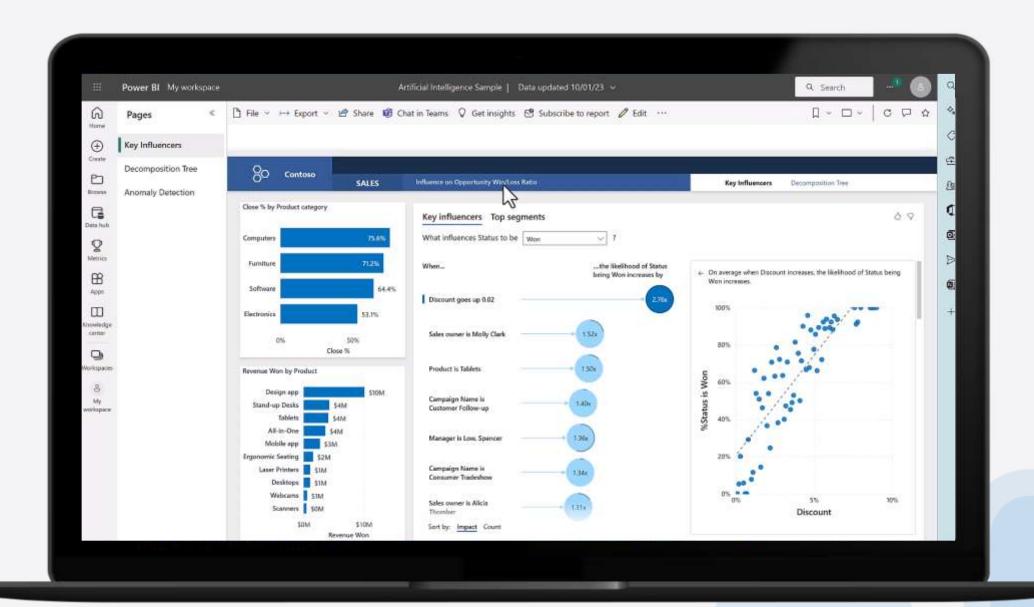




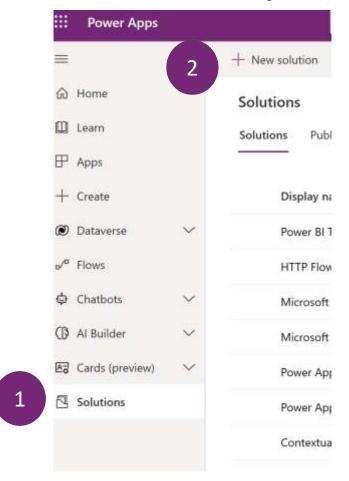


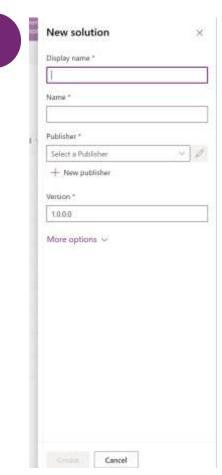


Share Power BI dashboards

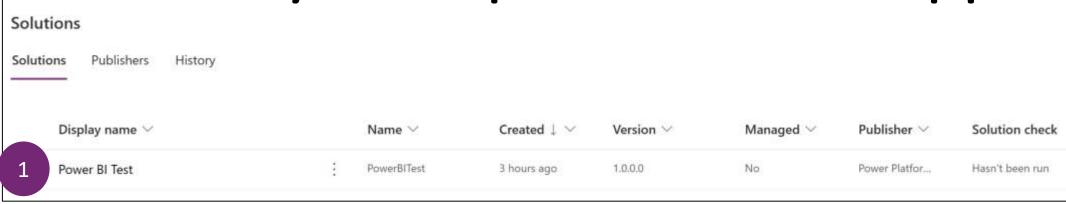


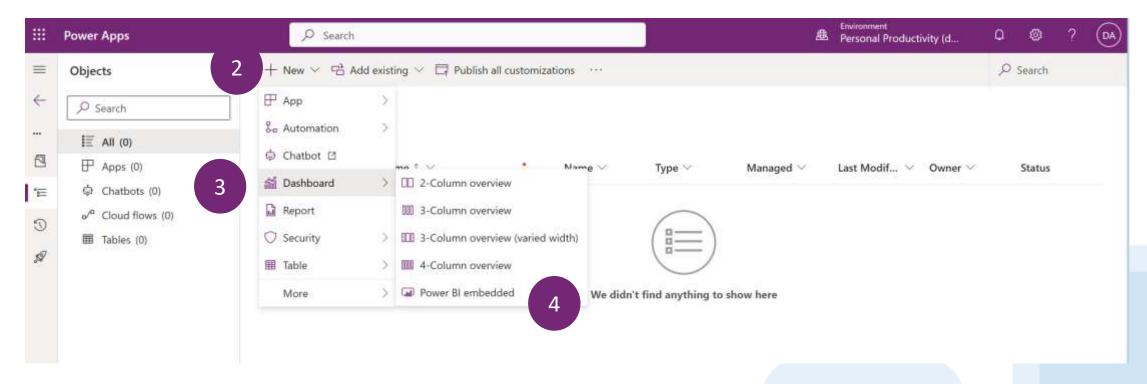
Embed your report in Power Apps





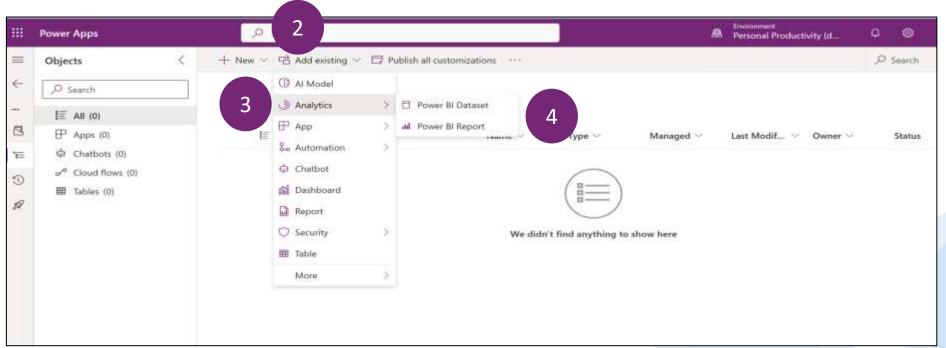
Embed your report in Power Apps





Embed your report in Power Apps









Power BI

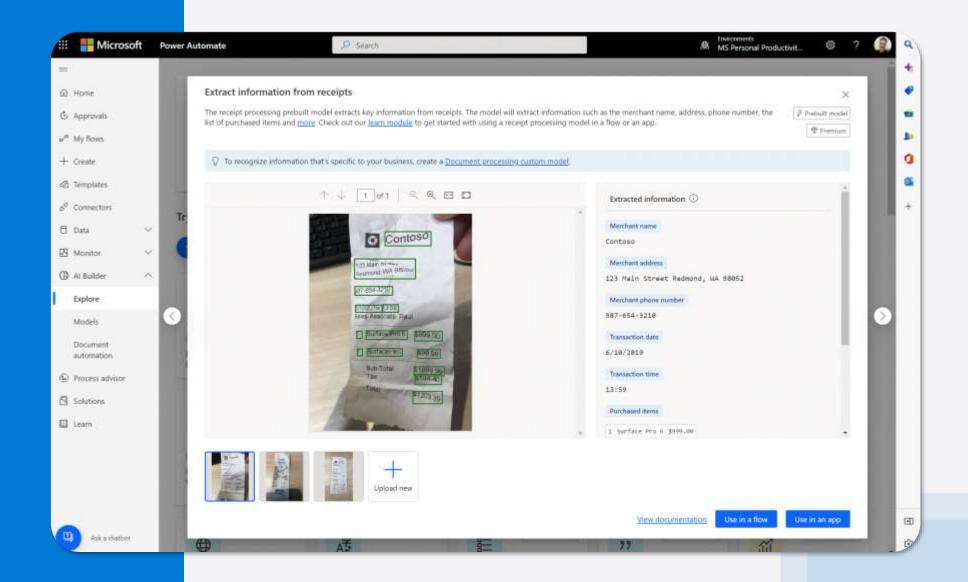
https://aka.ms/PL100/PowerBl

https://aka.ms/PL100/PowerBIDesktop

https://aka.ms/PL100/PowerBIDataverse

https://aka.ms/PL100/ReportInPowerApps

Al Builder



Add intelligence to your business with Al Builder



Use **pre-built** Al models or build **custom models** for your business need in minutes without code or data scientists



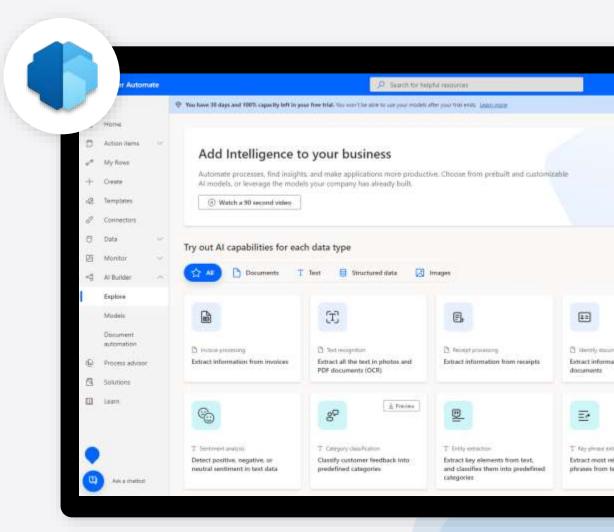
Govern the AI model lifecycle for your enterprise



Industry leading **enterprise grade AI Technology** backed by Azure AI



Integrated in the Power Platform so makers can use Al to **build more intelligent apps and workflows.**



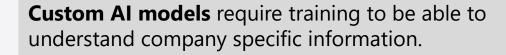
Custom vs. Prebuilt Al Models

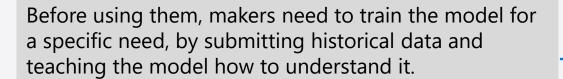


Pre-built Al Models are ready to use out of the box and don't require any training.

You can invoke them directly from Power Automate or Power Apps to build intelligent apps and workflows.

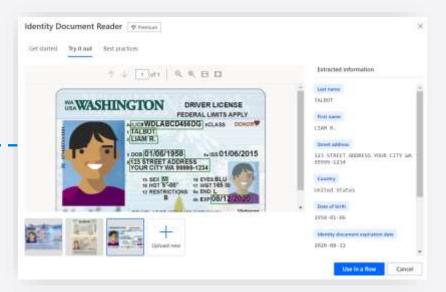
Ex: Process an ID document

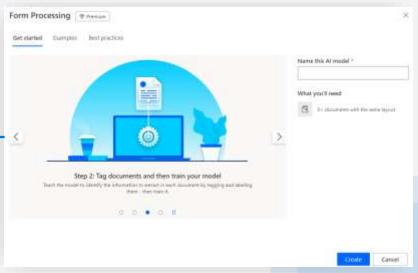




A no-code wizard guides the maker during this process.

Ex: Understand a specific company template to process purchase orders



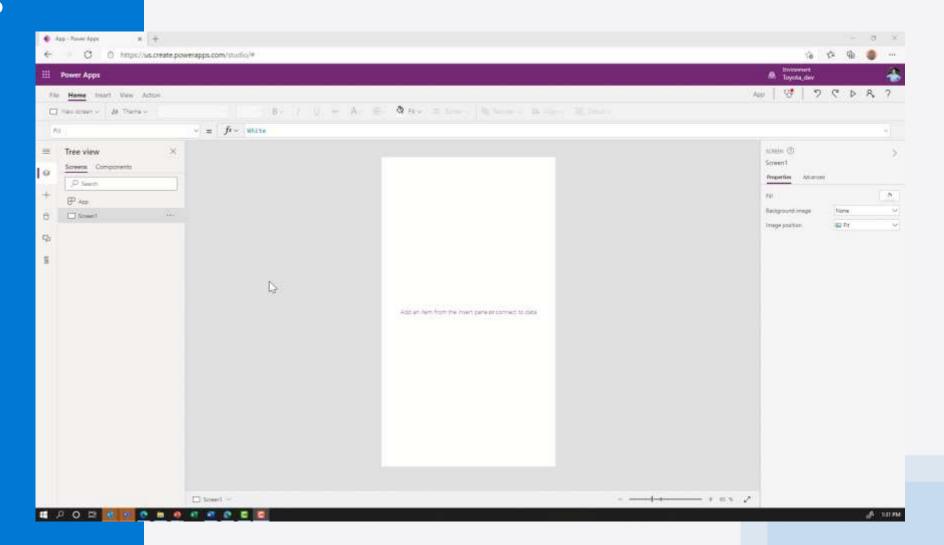






Demo: Train and use Al Builder Models

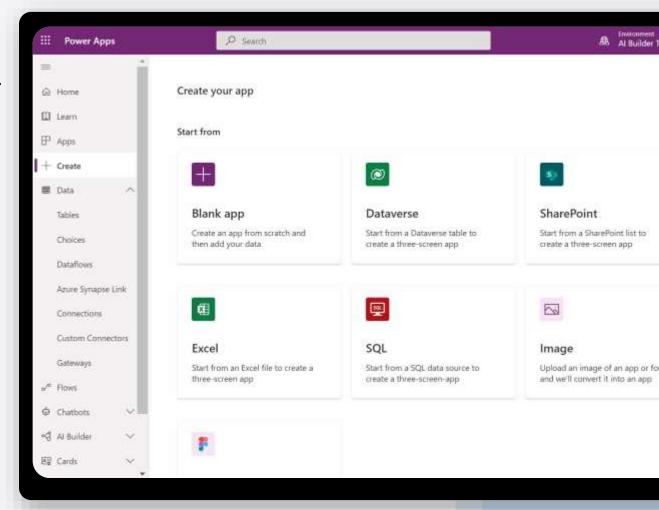
Power Apps

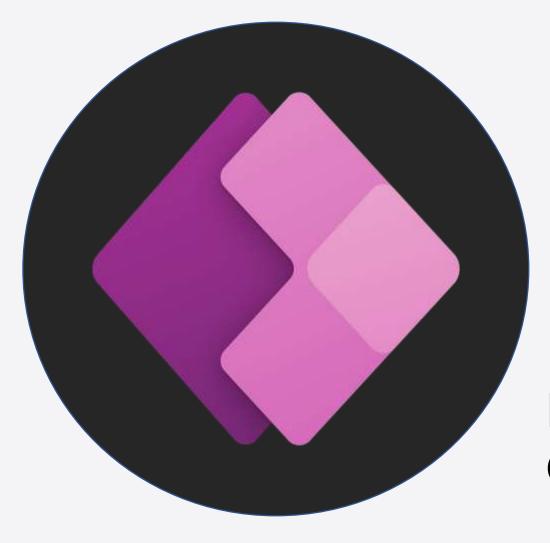


Power Apps

Empower everyone to create apps

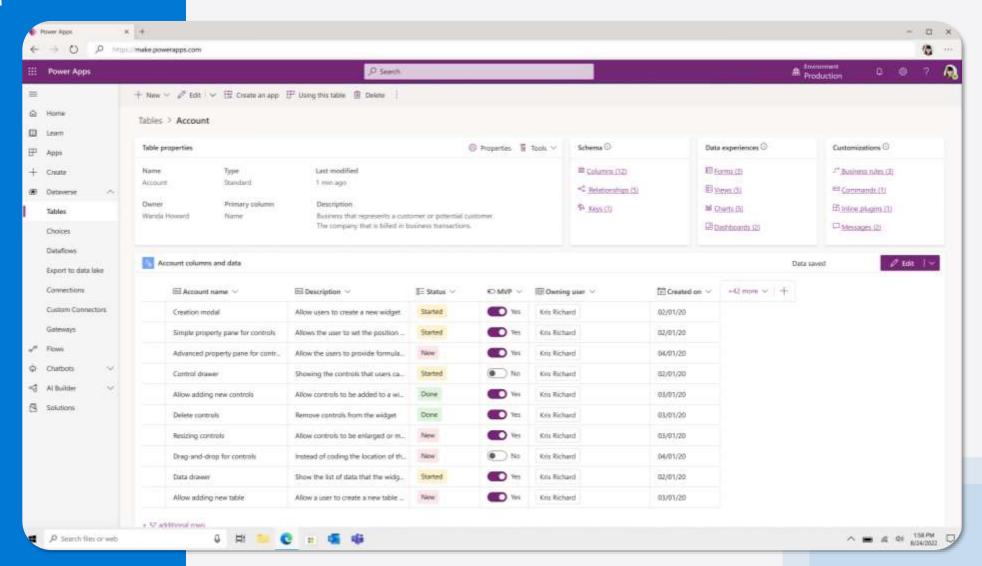
- O Use Power Apps to rapidly create web and mobile front ends using a drag and drop UI.
- Build once and deploy apps in one click across iOS, Android, Windows, and Web.
- O Customize every detail of an app to optimize for specific tasks, roles, and industries.
- Enable pro developers to create re-usable components to share with citizen developers.
- Connect to data using pre-built or custom connectors.





Demo: Create and Manage Canvas Apps

Dataverse



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**.

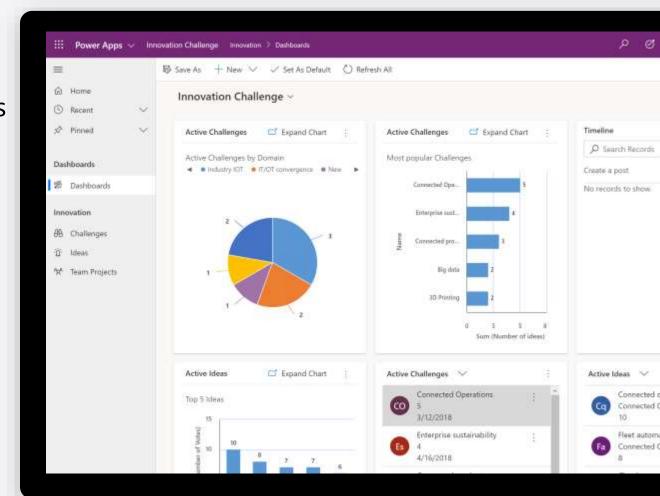


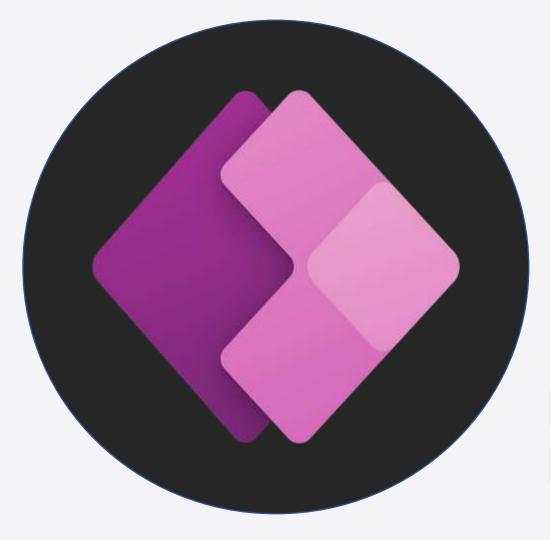
Demo: Configure Microsoft Dataverse

Model-Driven Apps

Empower everyone to create apps

- Leverage your data model, relationships, and business processes to automatically generate immersive, responsive applications
- Create apps around forms and processes
- Design sophisticated table forms quickly
- Rich, responsive client experiences
- Enables easy reuse across multiple apps
- Easily add business rules and business process flows to model your business processes





Demo: Create and Manage Model-Driven Apps

Resources



Al Builder

https://aka.ms/PL100/AIBuilder



Canvas Apps

https://aka.ms/PL100/CanvasApps

https://aka.ms/PL100/CanvasAppsControls

https://aka.ms/PL100/CanvasAppsUI

https://aka.ms/PL100/CanvasAppsNavigation



Dataverse

https://aka.ms/PL100/DataverseTables

https://aka.ms/PL100/DataverseColumns

https://aka.ms/PL100/DataverseSecurityRoles

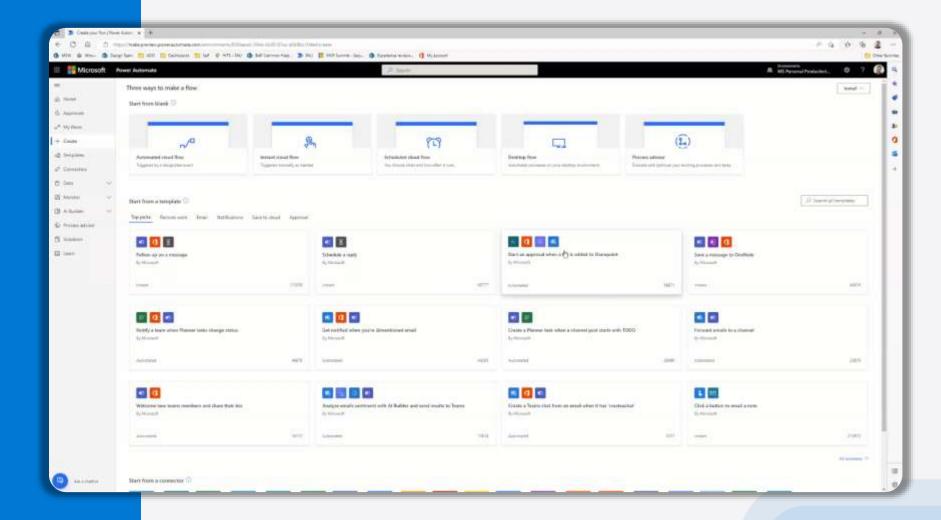


Model-Driven Apps

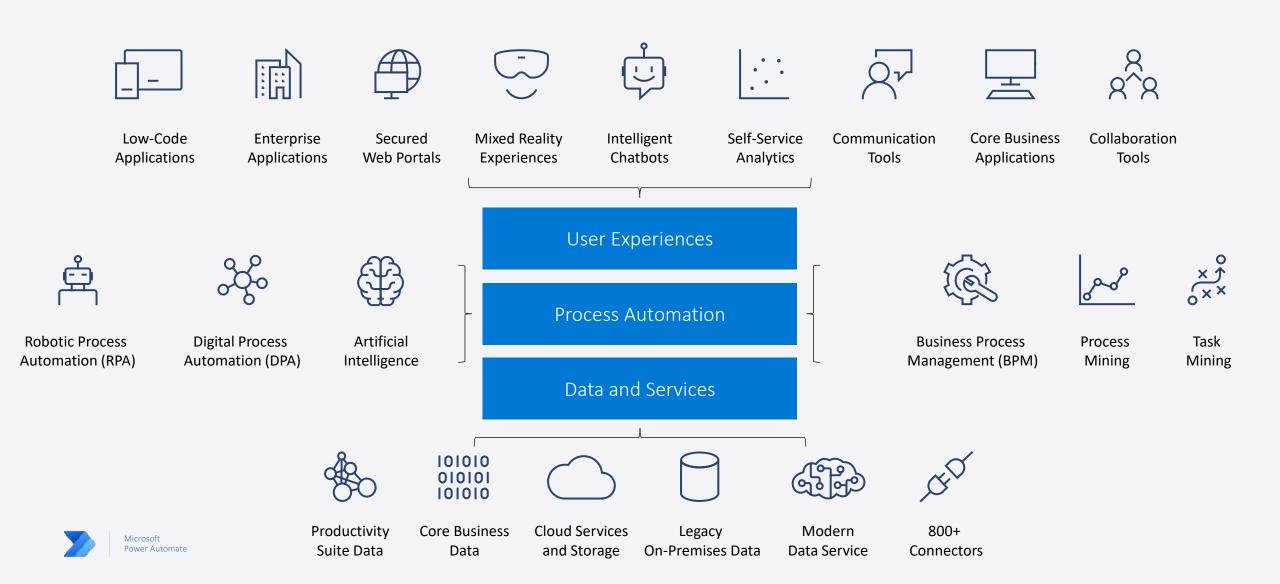
https://aka.ms/PL100/ModelDrivenApps

Power Automate

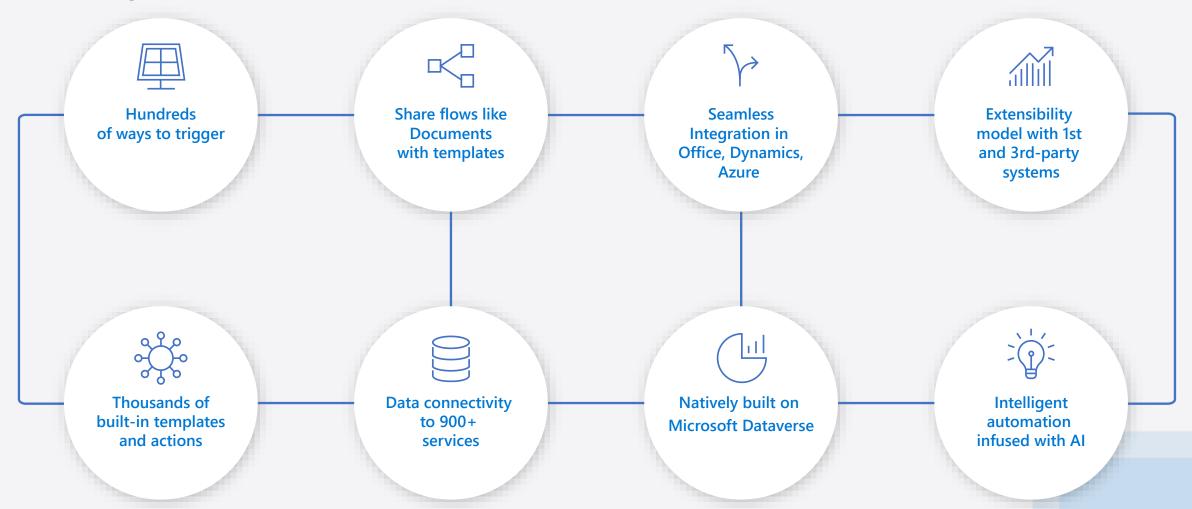
Power Automate



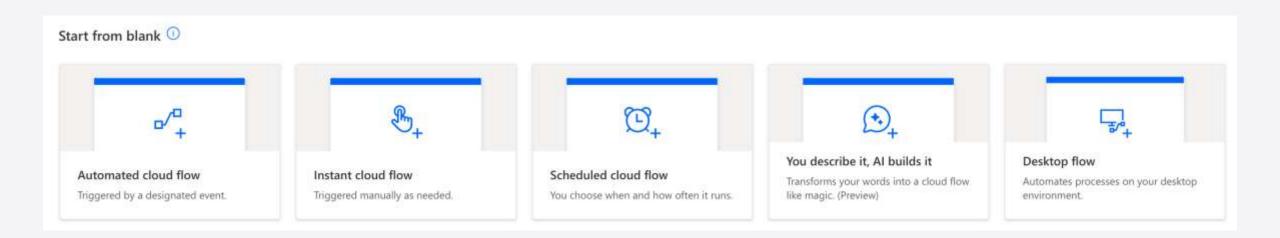
Hyper automation, all in one place



Why Power Automate?



Create flows



Triggers and actions

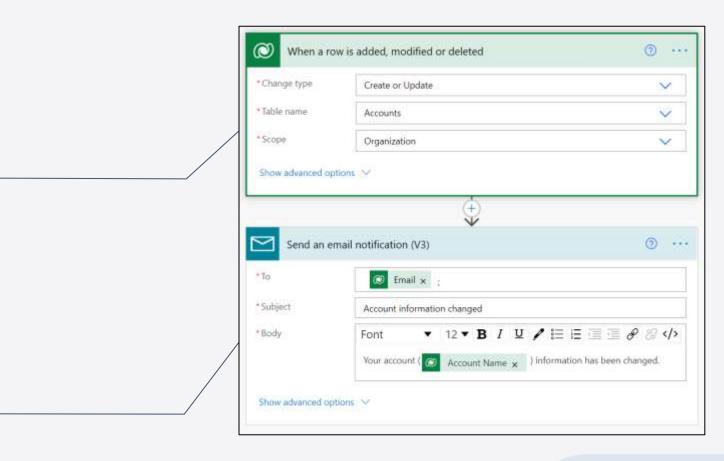
Example: Notification flow

Trigger—the event that kicks off the flow:

- Manual via button or Power Apps
- On a schedule
- · On an event in the cloud

Actions—what the flow does

Uses data from the trigger



Types of triggers



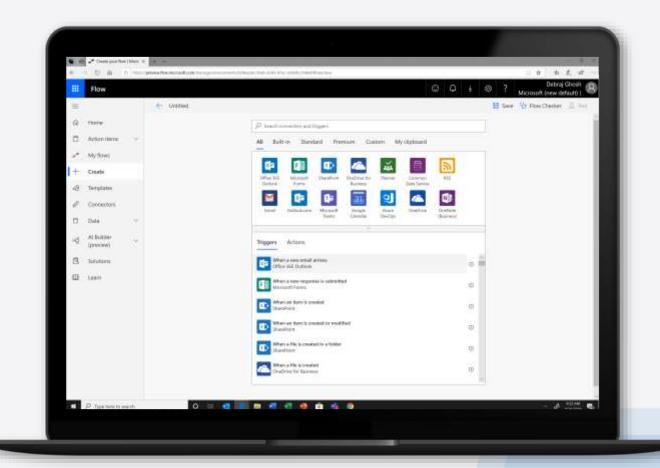
Manual Action



Run on a Schedule



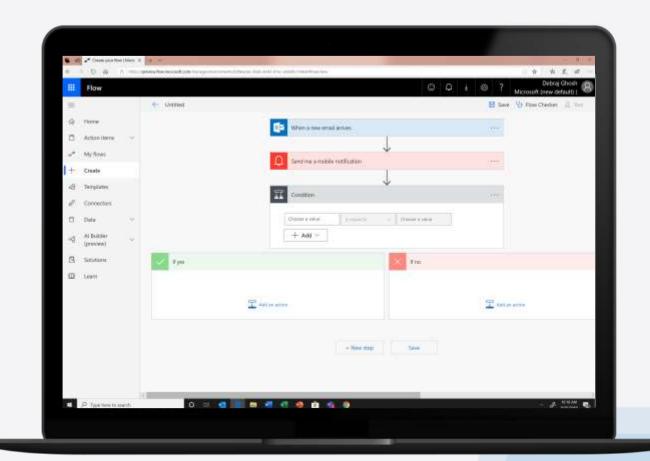
Run based on an event that happens in a cloud or on-prem service



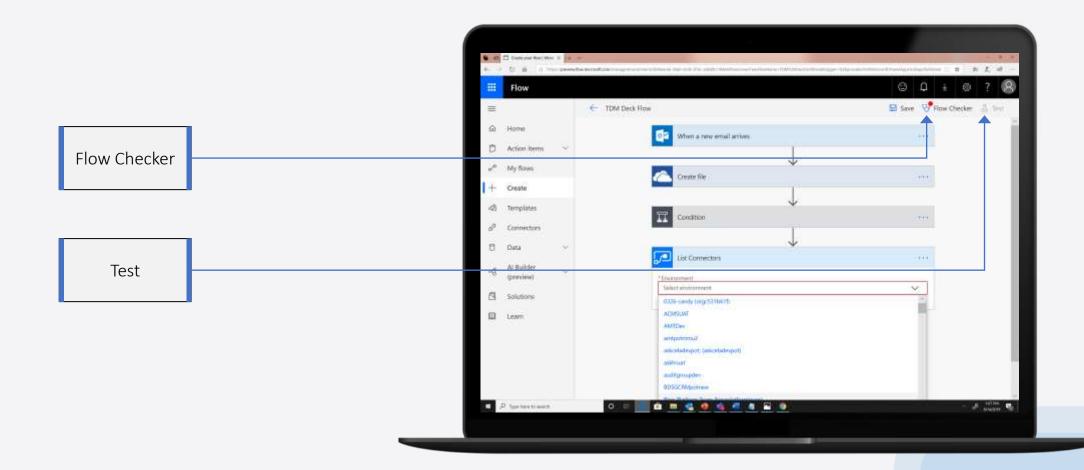
Conditional logic



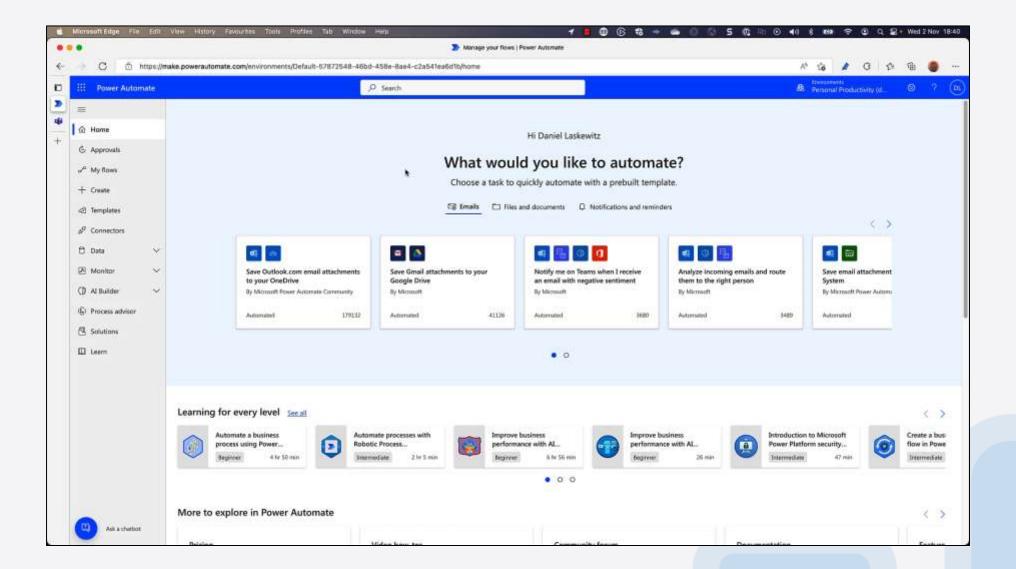
Conditional logic enables automated decisions based on a given scenario.



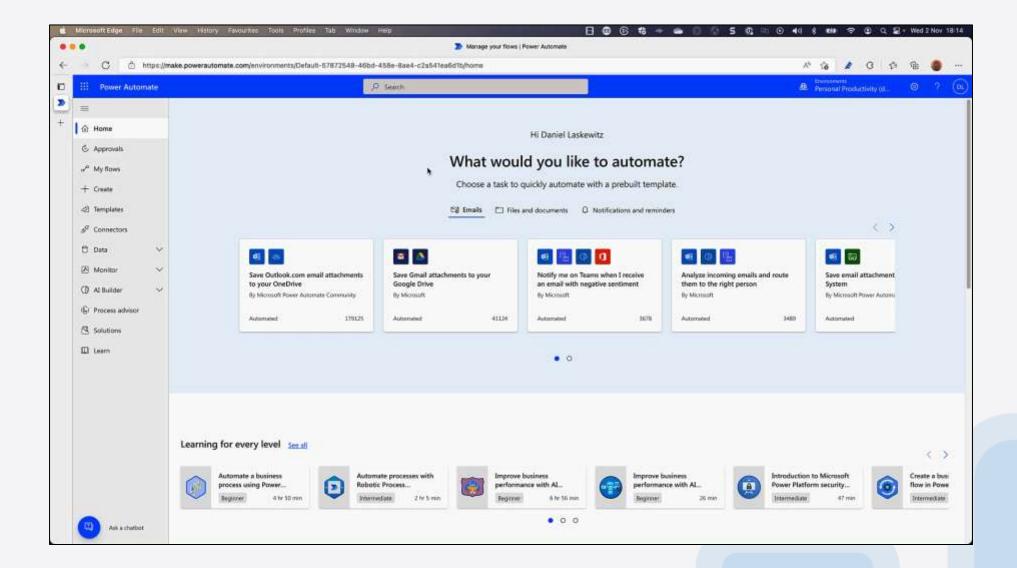
Test a cloud flow



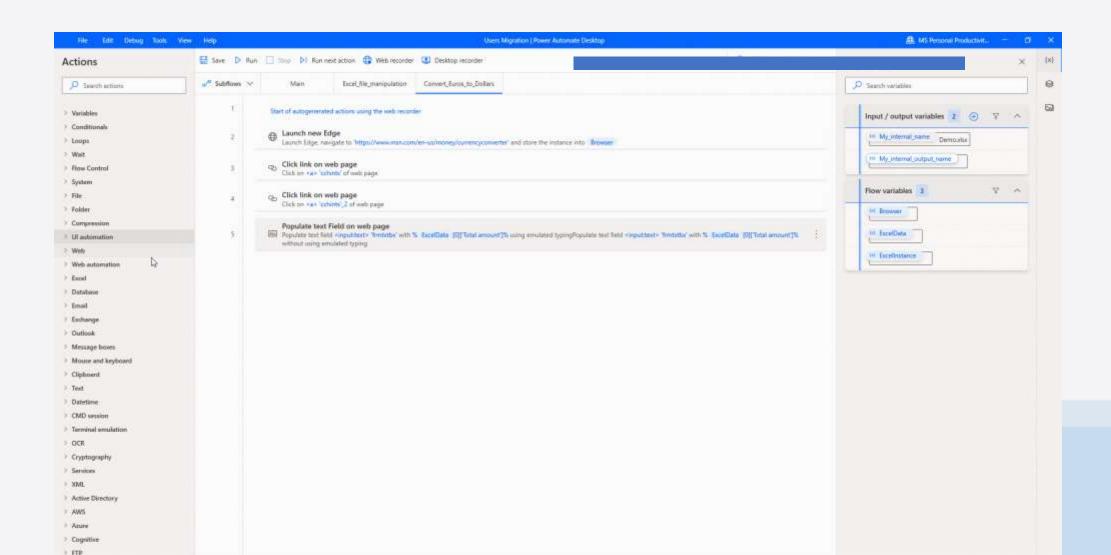
DEMO - Build a flow by using Al



DEMO – Create a flow from a template



DEMO – Create a desktop flow for personal use





Power Automate

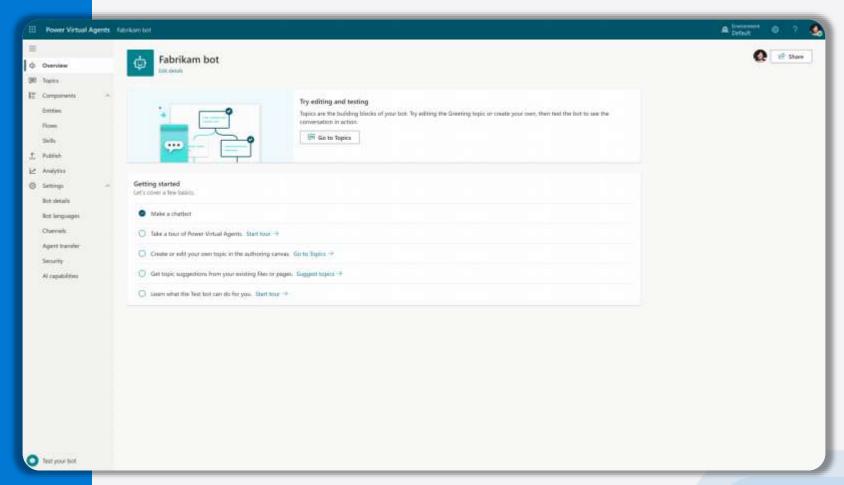
https://aka.ms/PL100/PowerAutomate

https://aka.ms/PL100/PowerAutomateTeams

https://aka.ms/PL100/PowerAutomateAdministration

Resources

Power Virtual Agents

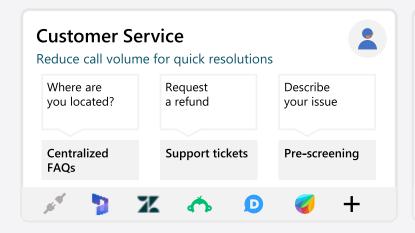


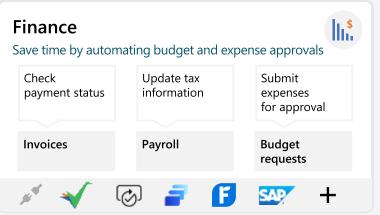
What is Power Virtual Agents?

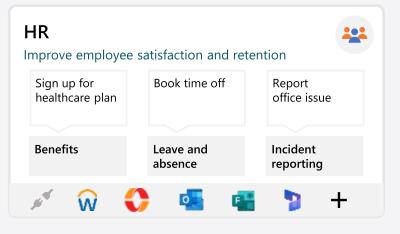


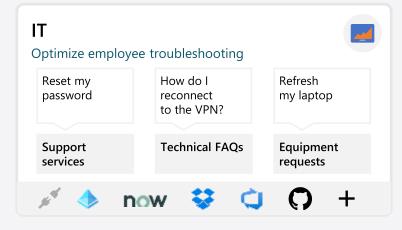
Empowers everyone – from citizen to pro developers – to seamlessly **build secure, scalable and intelligent conversational bots** together in a single platform.

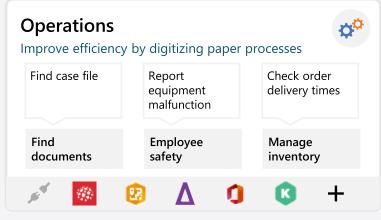
Identify use cases

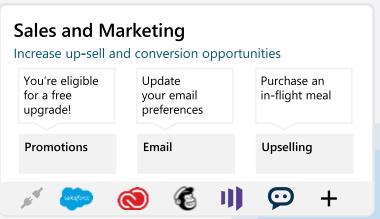










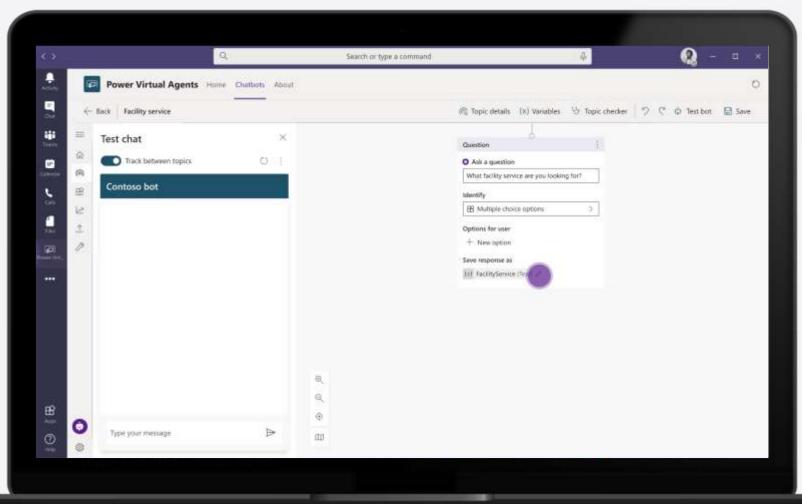


Create bot using simple, graphical interface

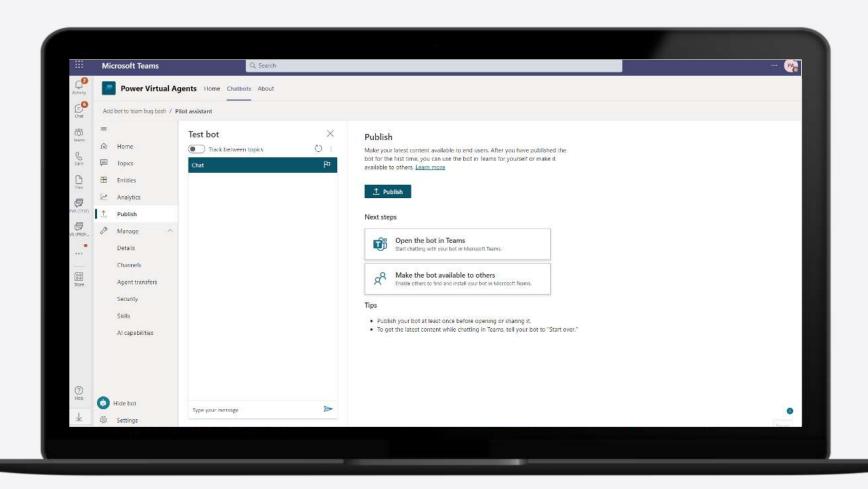


The bot building cycle

Create a chatbot that uses topics and trigger phrases



Publish a chatbot





https://aka.ms/PL100/PowerVirtualAgentsTeams

Resources

Questions