



Lunch & Learn: Intro to Power Automate

- Teresa Hagman
- Cloud Solution Architect



Microsoft Power Automate

Microsoft Power Platform

No code, Low Code and code first capabilities



Power BI

Business analytics



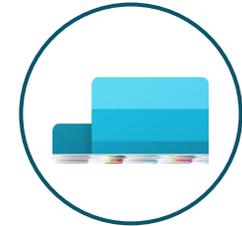
PowerApps

Application development



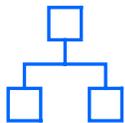
Power Automate

Workflow automation

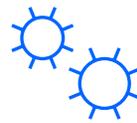


Power Virtual Agents

Intelligent virtual agents



**Data
connectors**



AI Builder



Dataverse



Microsoft
Power Automate

Overview of Power Automate

Engage hyperautomation on a single intelligent automation platform

Power Automate Product

Flows

Automate your workflows

Enhancements

Enhance your flows

Apps

Create your flows

Cloud flows

Digital process automation (DPA)
Automate cloud apps, services, and data with APIs

AI Builder

Artificial intelligence (AI)
Add intelligence to your cloud flows

Power Automate for web

Web
Create/manage all automation from a central portal.

Desktop flows

Robotic process automation (RPA)
Automate your desktop's user interface (UI)

Process advisor

Process mining, task mining
Identify opportunities to automate

Power Automate for desktop

Windows
Create and manage desktop flows in Windows

Business process flows

Business process automation (BPA)
Automate multistep, guided business processes

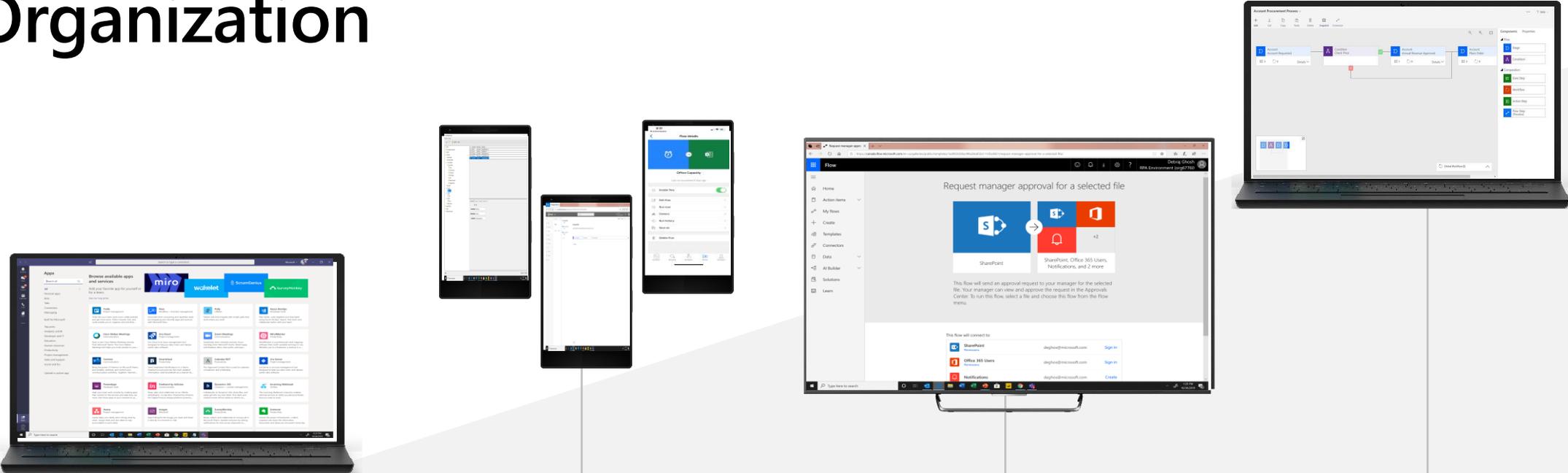
Power Automate for mobile

iOS, Android
Create cloud flows on the go for iOS and Android

Power Automate for Teams

Microsoft Teams
Create cloud flows in the hub for teamwork

Enabling Digital Transformation Across the Organization



Extending Office 365 and Dynamics 365



Automating legacy applications



Power Automate



Building Departmental solutions



Building mission-critical end-to-end solutions



Extending Office 365 and Dynamics 365



Automating legacy applications



Building Departmental solutions



Building mission-critical end-to-end solutions



Power Automate

Solution Explorer
(advanced)

POWER AUTOMATE (WORKFLOW AND BUSINESS PROCESS)

Sharing + security

Dataverse

Dynamics 365 data natively on the platform – no integration required

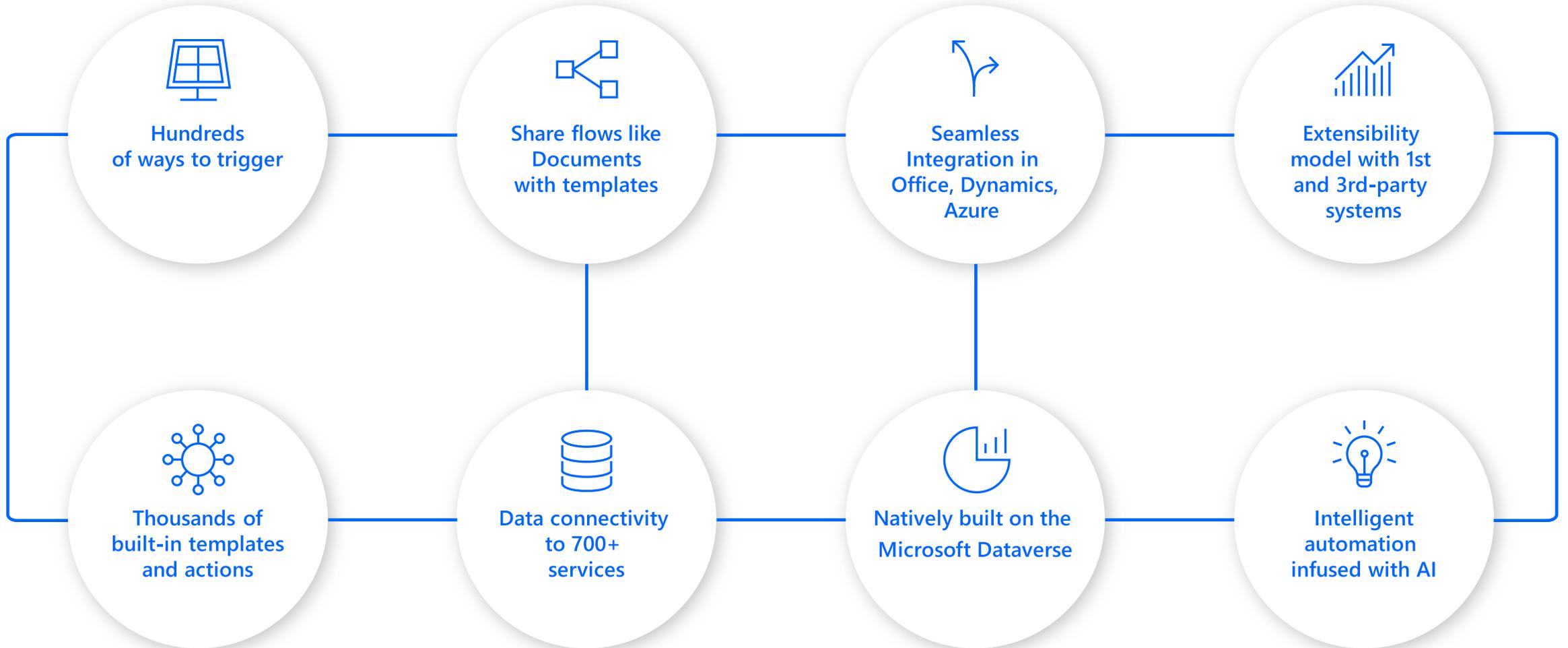
Enterprise-grade Application Lifecycle Management

Server-side business logic for validation, defaulting, calculated fields and more

700+ Connectors



One automation platform



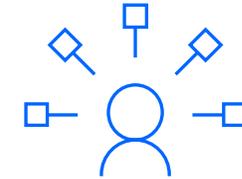
Building Blocks of a Flow



Trigger



Action

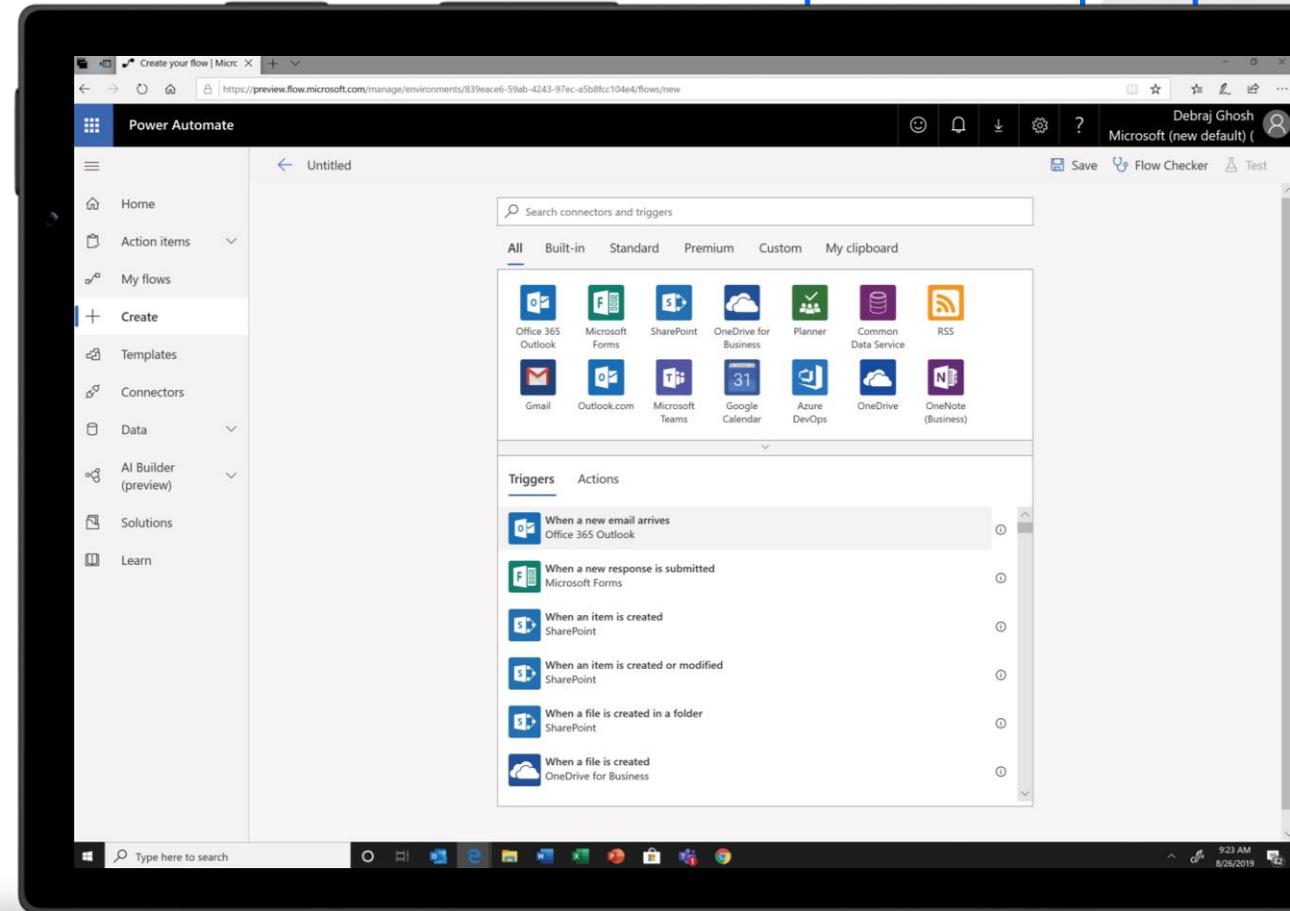


Conditional Logic

Triggers

Hundreds of trigger actions

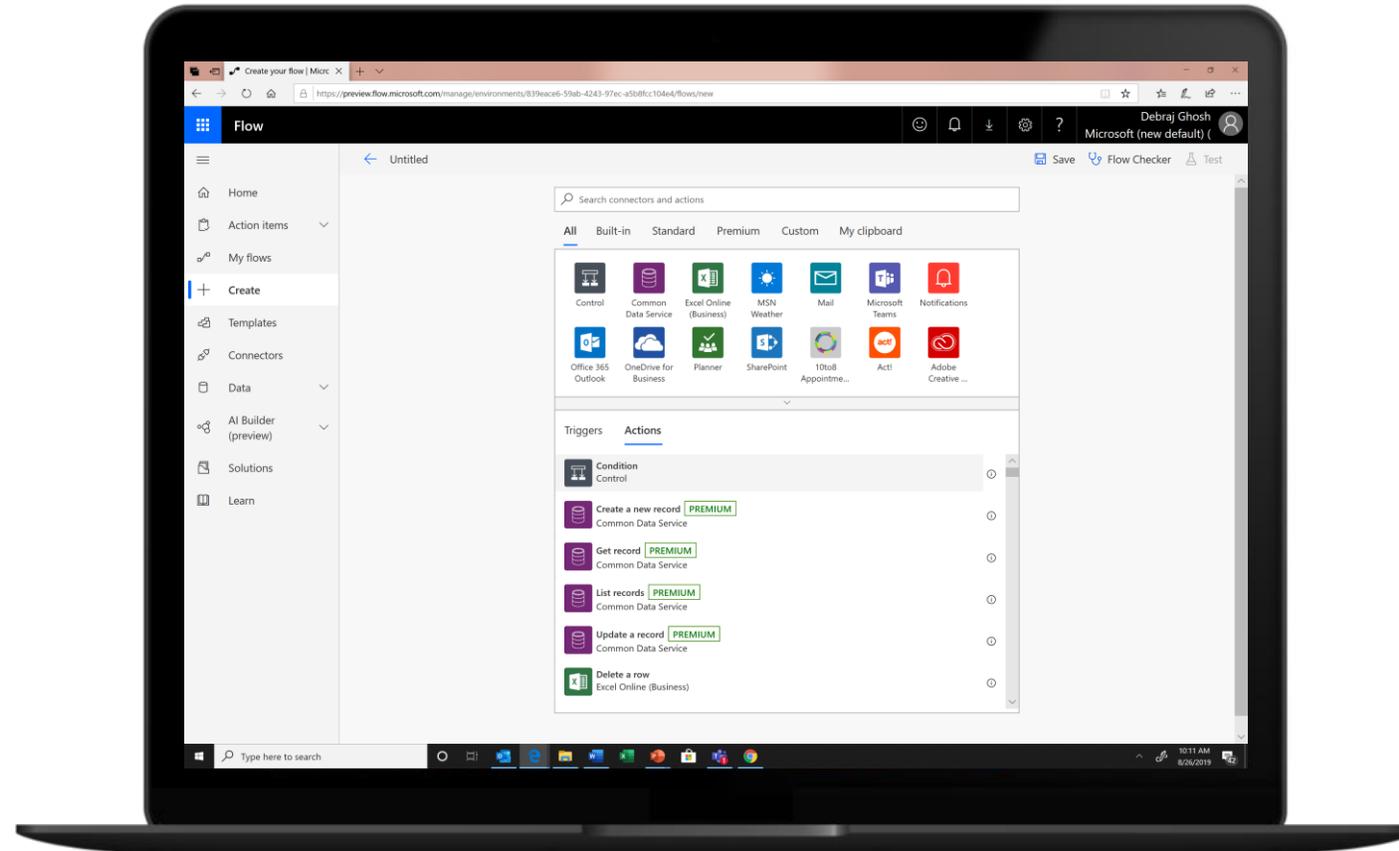
Initiate your workflows in whatever way is most convenient: With buttons, through connected cloud apps, or on a schedule.



Action



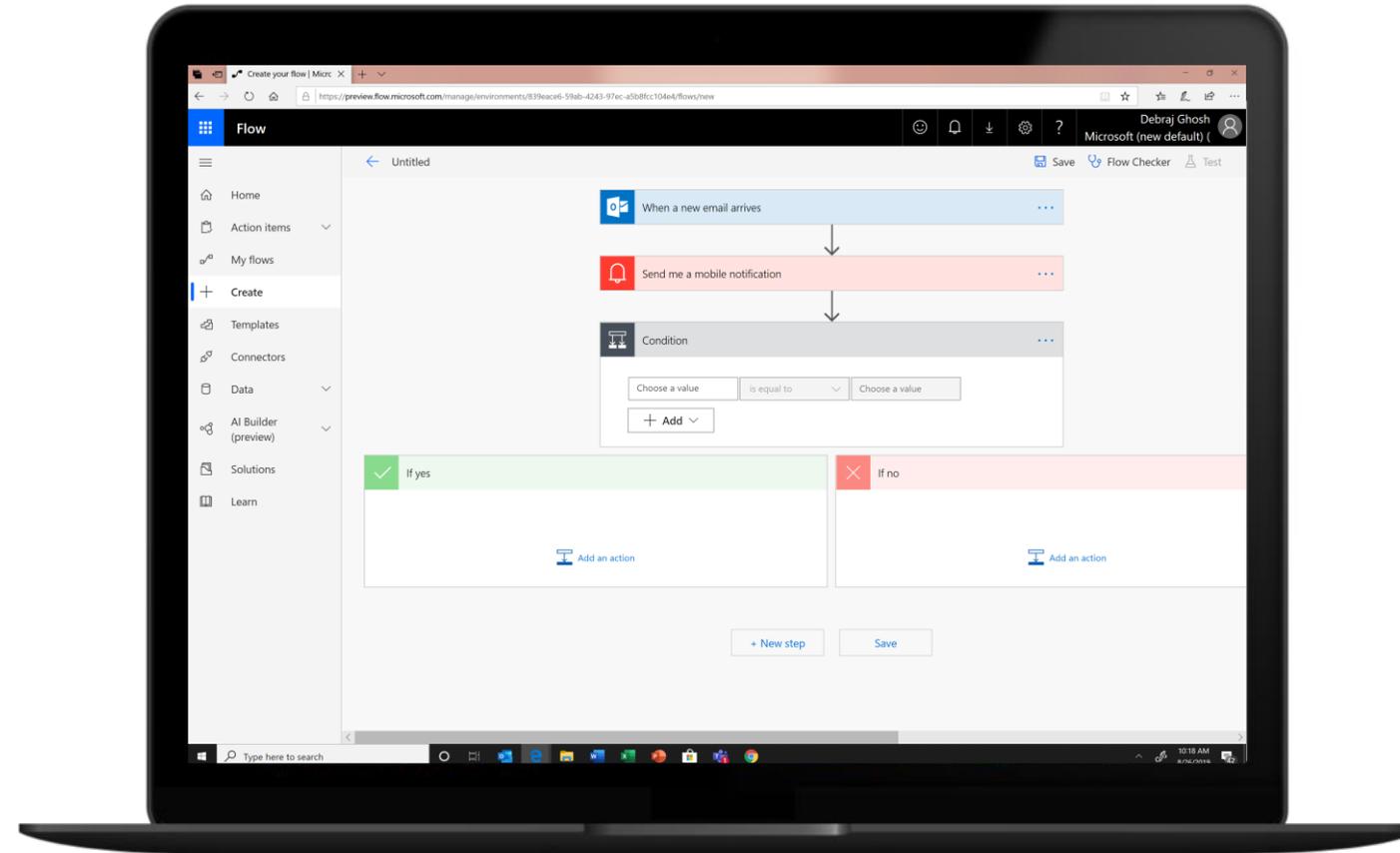
A Flow 'Action' is any number of steps that run after the trigger.



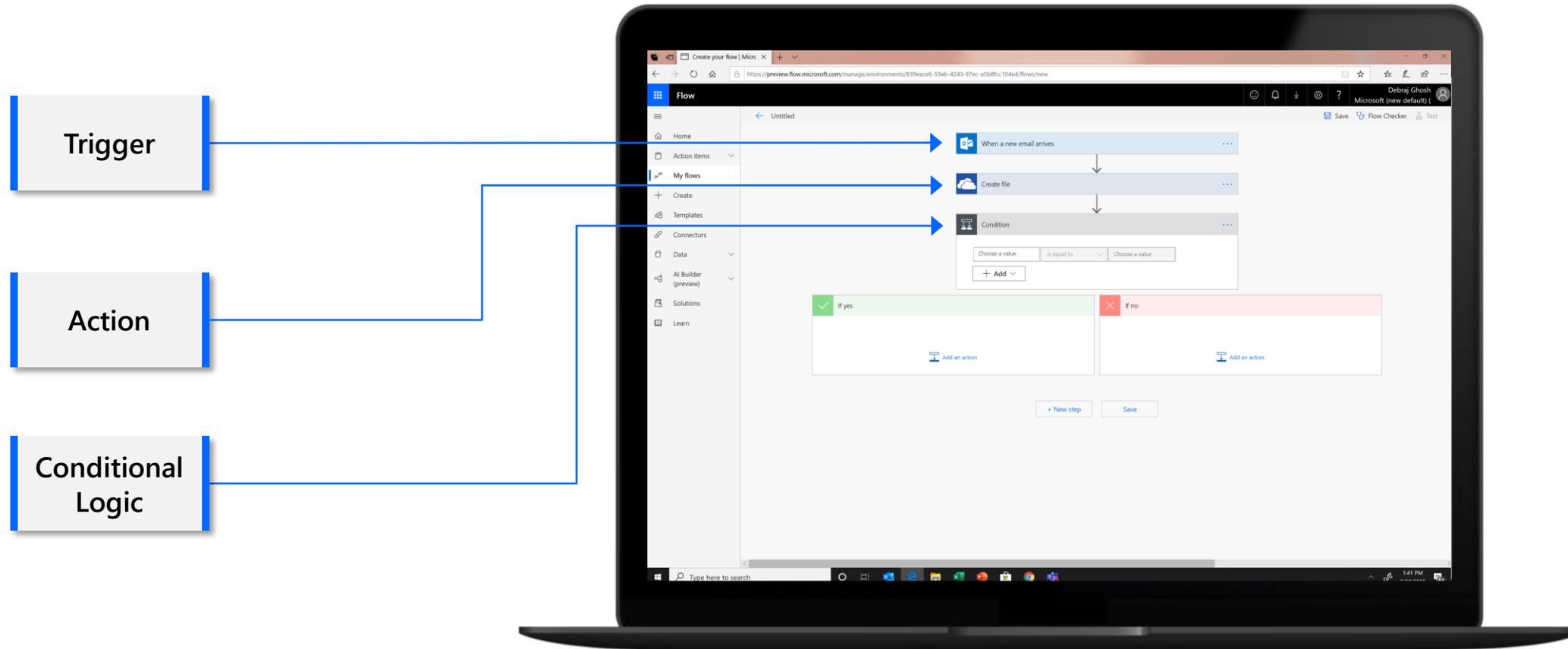
Conditional Logic



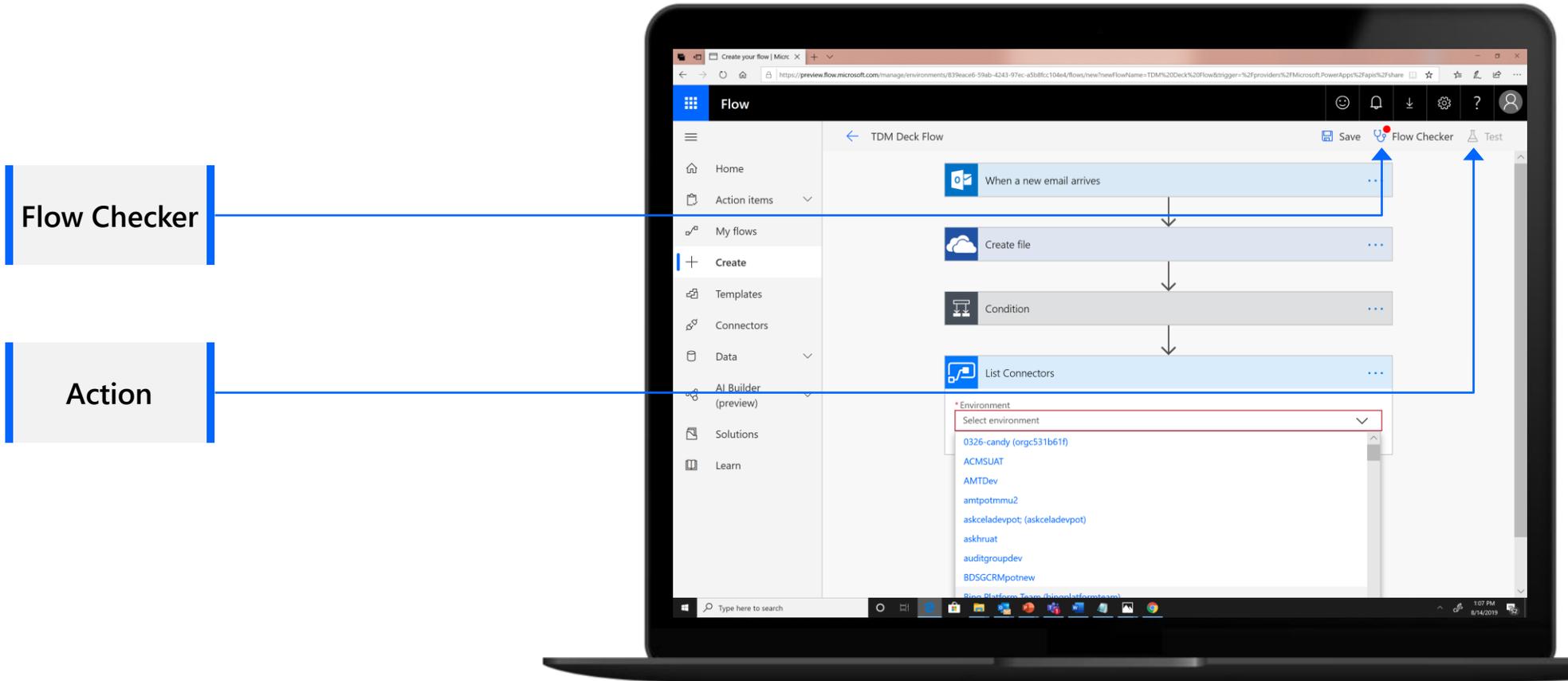
Conditional logic enables automated decisions based on a given scenario.



The Basic Power Automate UI



Power Automate Offers Easy Checking and Real-time Testing



Power Automate UI Is Easy to Understand and follow



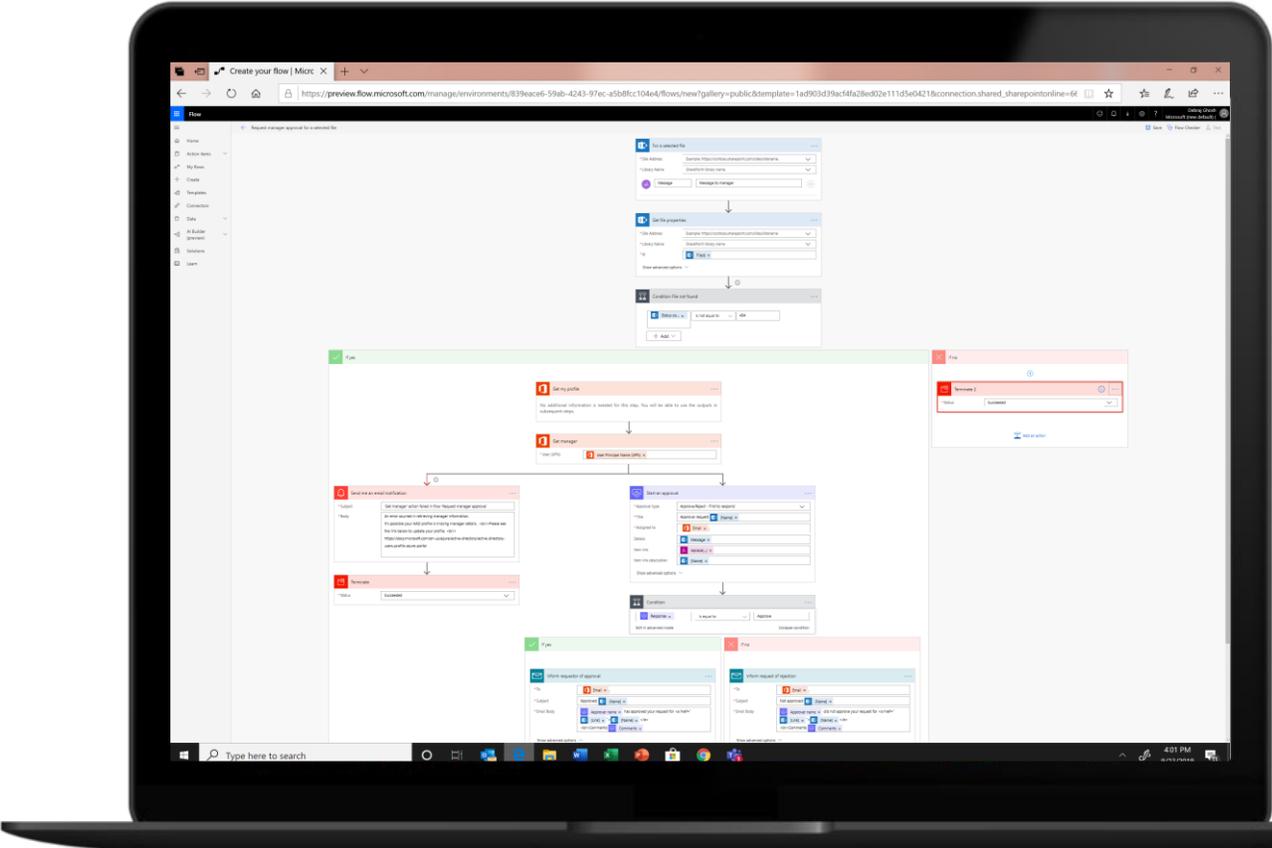
Easily map your steps



Power Automate chart shows steps



Get details for each step



Hundreds of Out of the Box, Customizable Templates



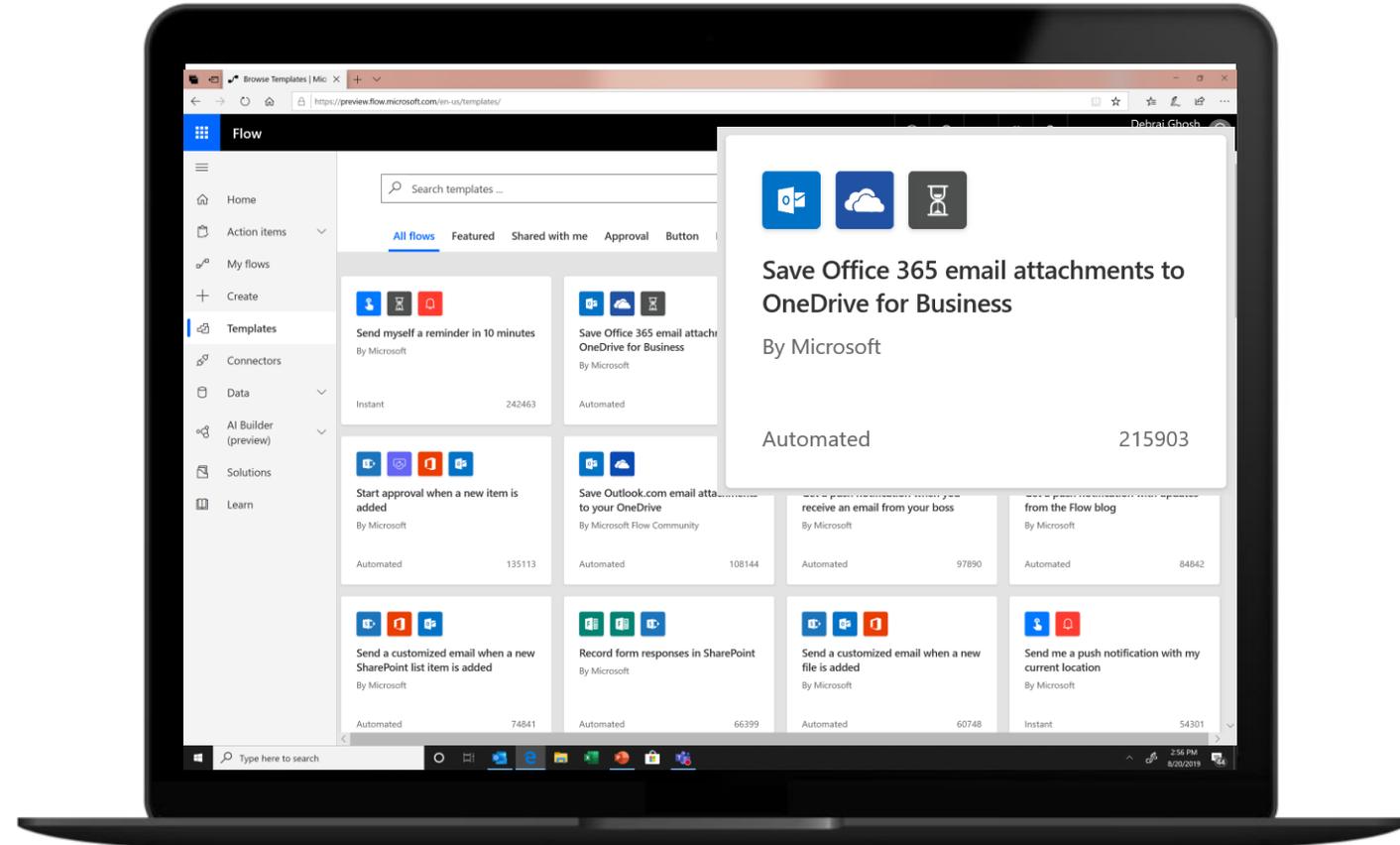
Automate out of the box



Learn from templates



Many to choose from



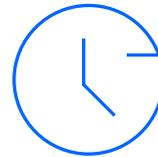
Power Automate is Easy to Use and Quick to Start



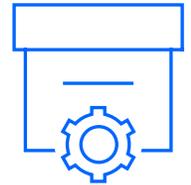
Three Basic Building Blocks: Triggers, Actions, Logic



Power Automate checker helps determine errors in the flow design



Real time testing to ensure your Power Automate works



Hundreds of out of the box templates to quickly create complex Power Automates





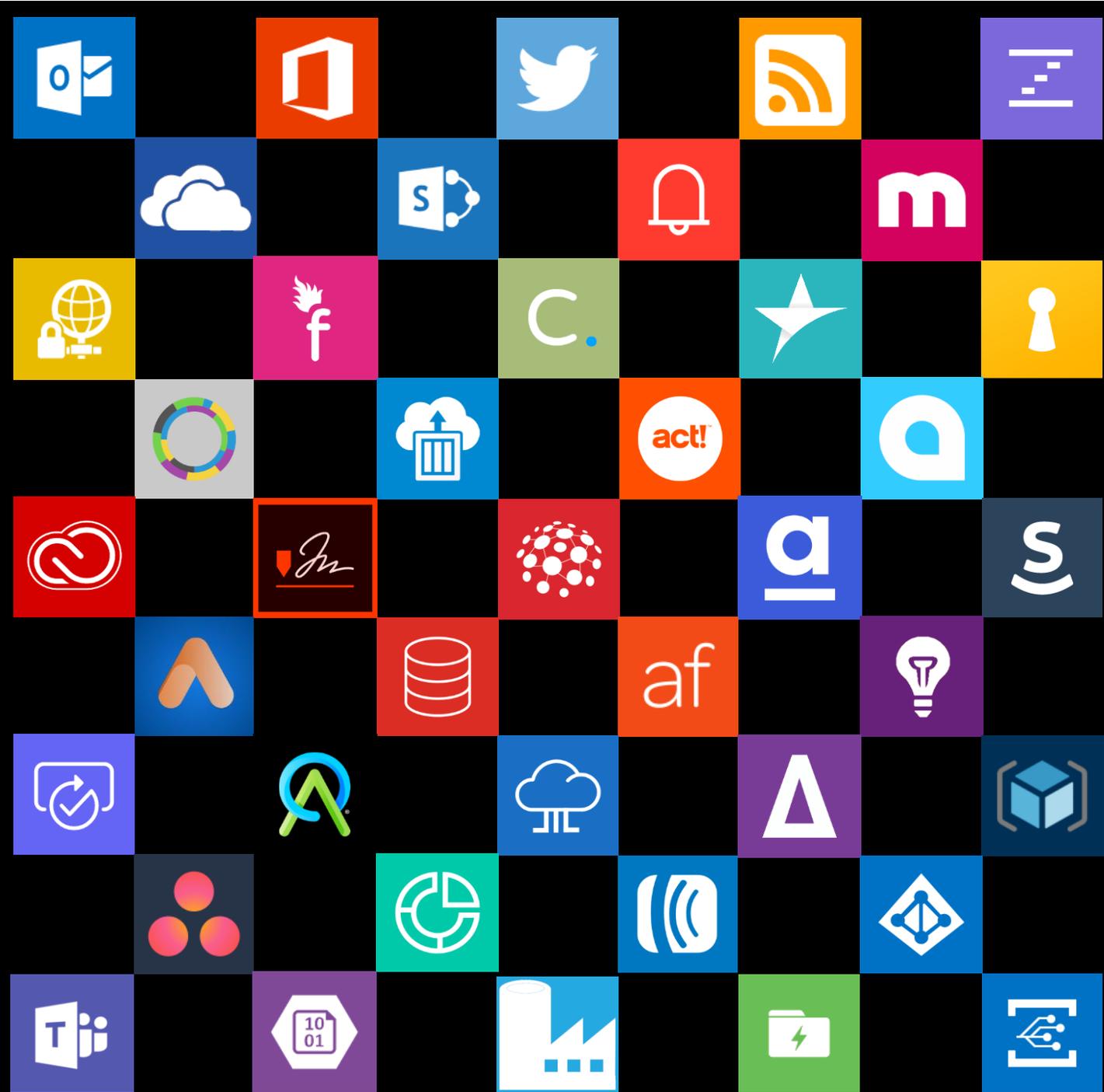
Take Advantage of Seamless Automation Across Your Ecosystem

Boost Productivity, Leverage AI, Seamlessly Automate Your IT Ecosystem



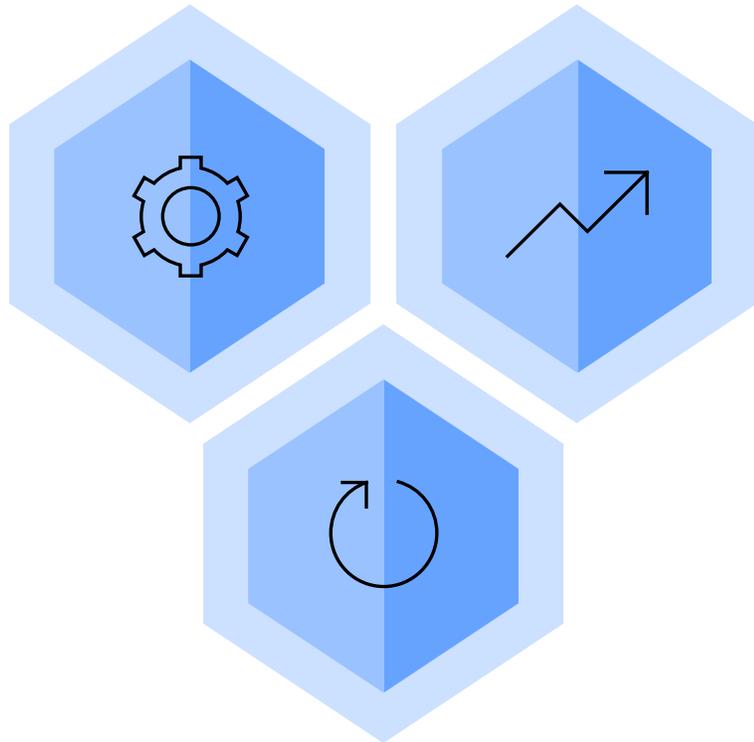
700+ connected experiences

Connect to more than 700+ services with built-in connectors for everything from Adobe to Zendesk to on-premises sources



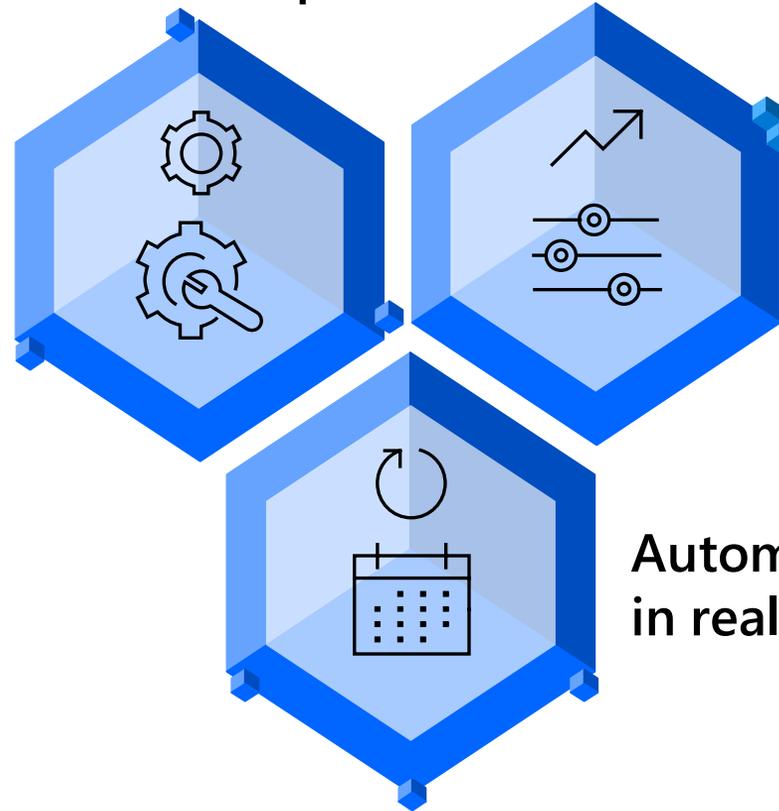
Native Integration is the Path to Maximum Efficiency

STANDARD INTEGRATION



VS

Automate
without disruption

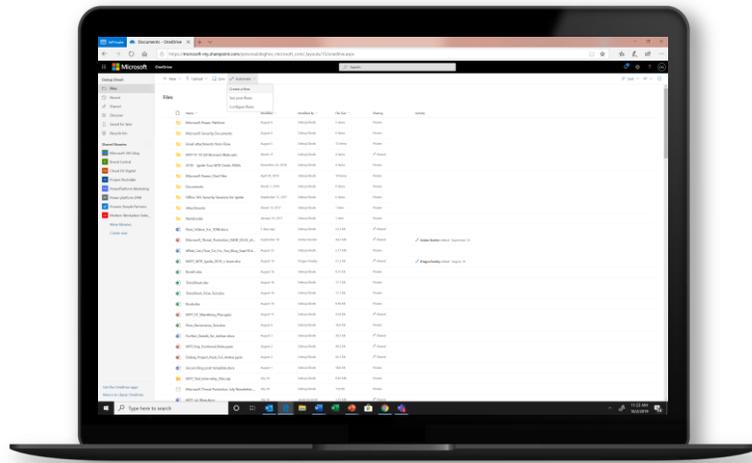


Achieve more
in less time

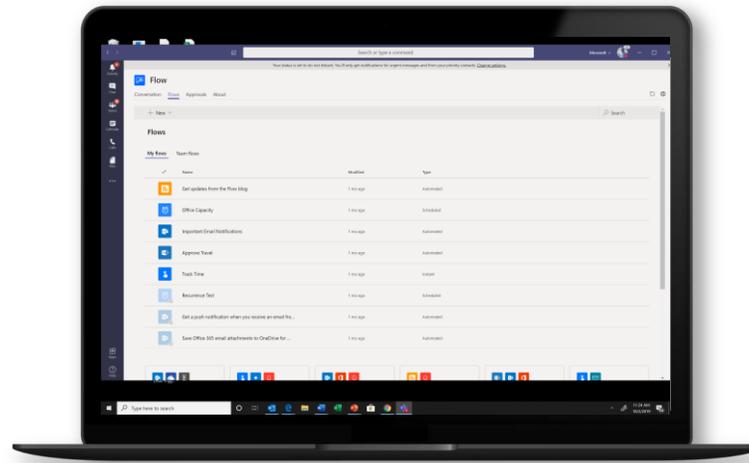
Automate
in real-time

NATIVE INTEGRATION

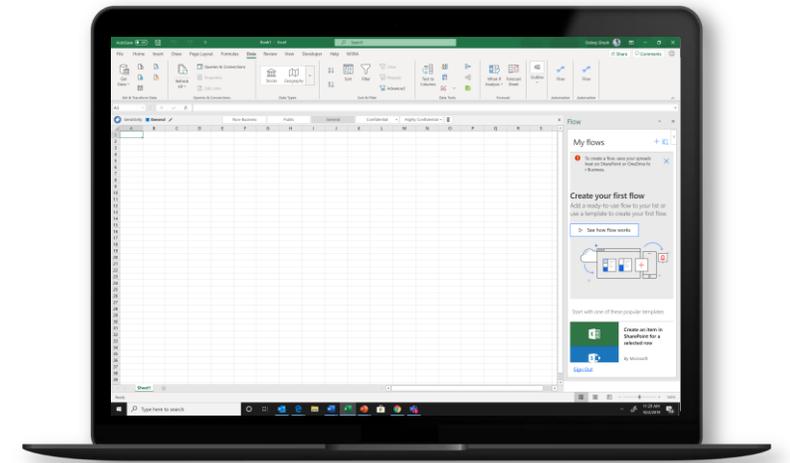
Native Integration With Widely Used Services



Begin automating
from your OneDrive

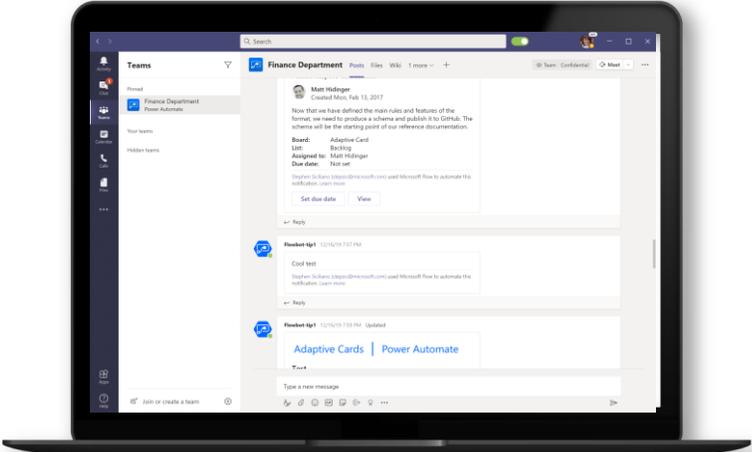
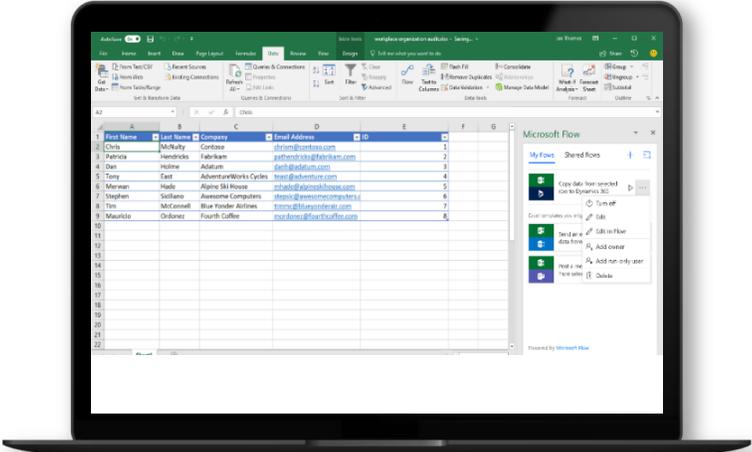
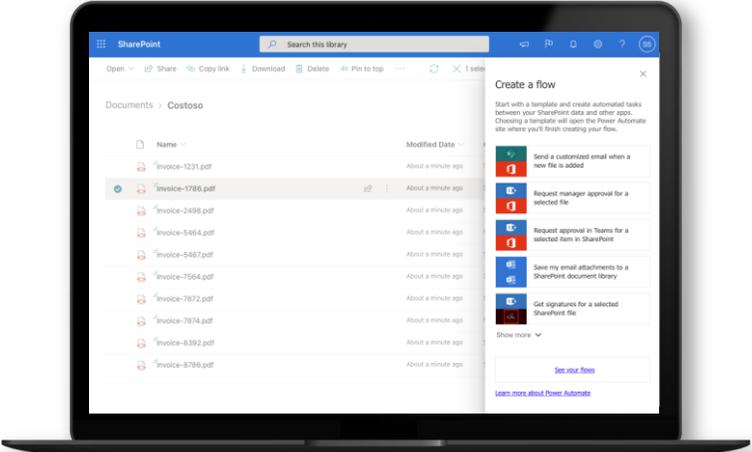


In-app automation
in Teams

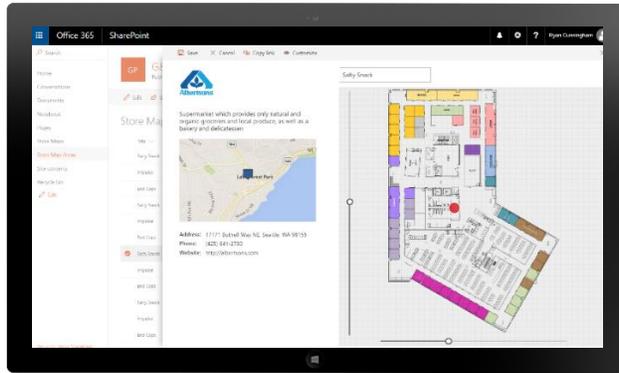


Automate directly
from Excel

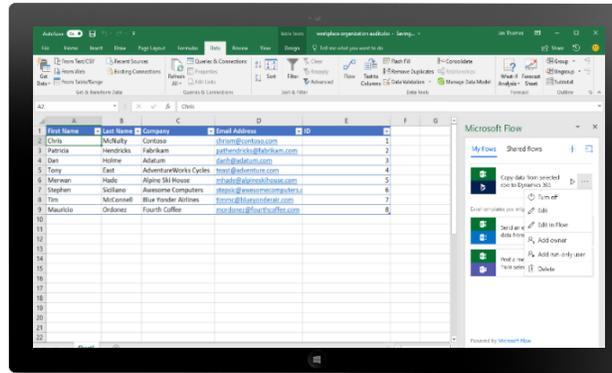
Seamless automation across Microsoft 365



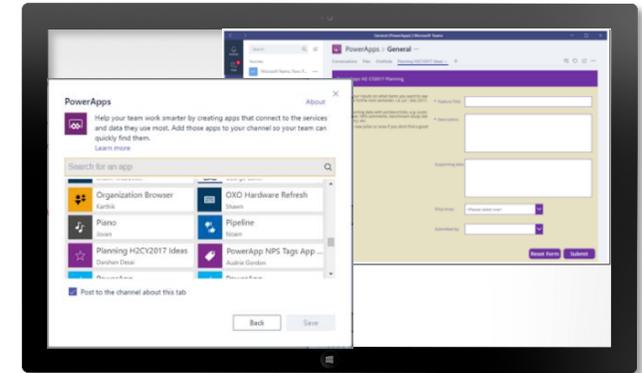
Enhance Productivity with Native Integration to Office 365



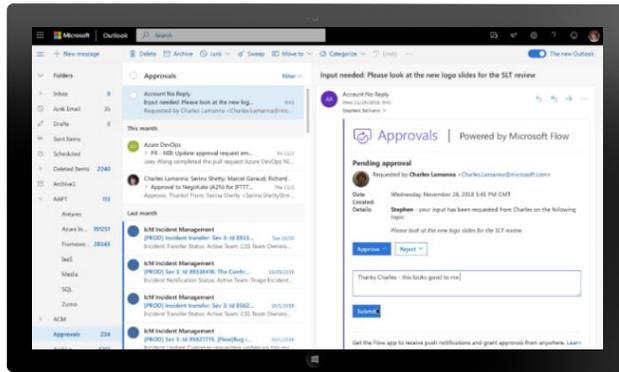
Customize the experience and automate SharePoint Lists with Microsoft Power Automate



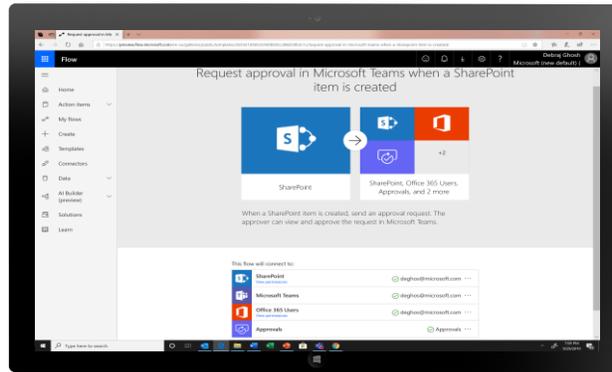
Automate on an Excel sheet with Microsoft Power Automate



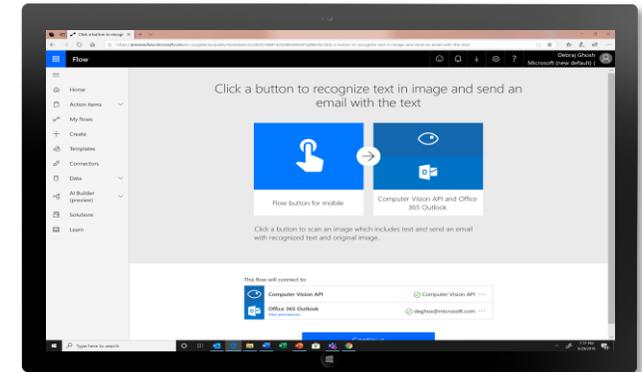
Automate a bot or process with Microsoft Power Automate



Enhance communication with Actionable Messages and Adaptive cards in Power Automate



Request approval in Microsoft Teams when a SharePoint item is created



Click a button to recognize text in image and send an email with the text

Easily Automate your core operations processes

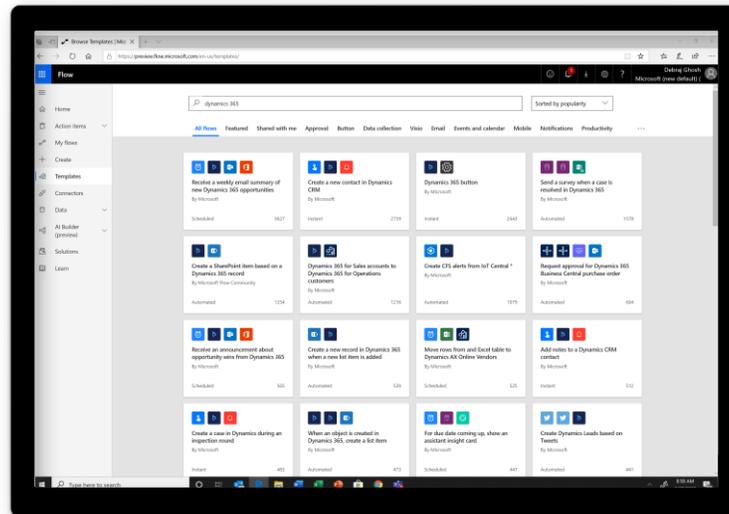
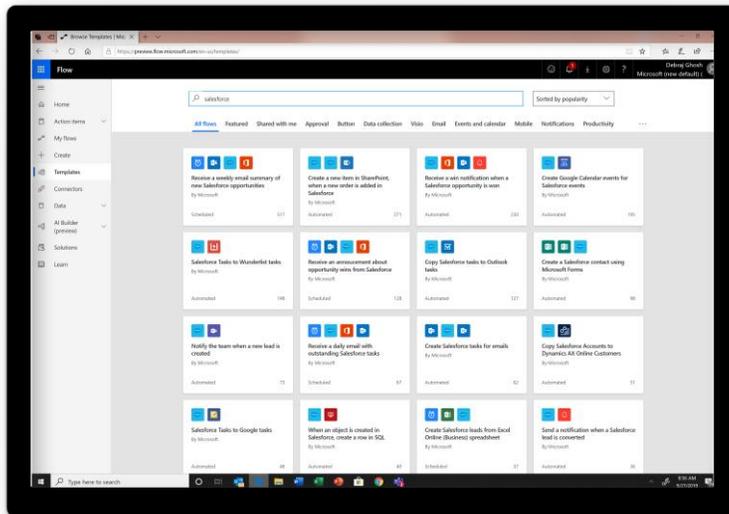
Automate your mission critical tasks with seamless integration to Salesforce, Dynamics 365, and SAP

- Track Salesforce closed converted leads and send an email
- Request approval for Dynamics 365 Business Central purchase order
- Notify your team about new opportunities

Salesforce

Dynamics 365

SAP



Automate Approvals



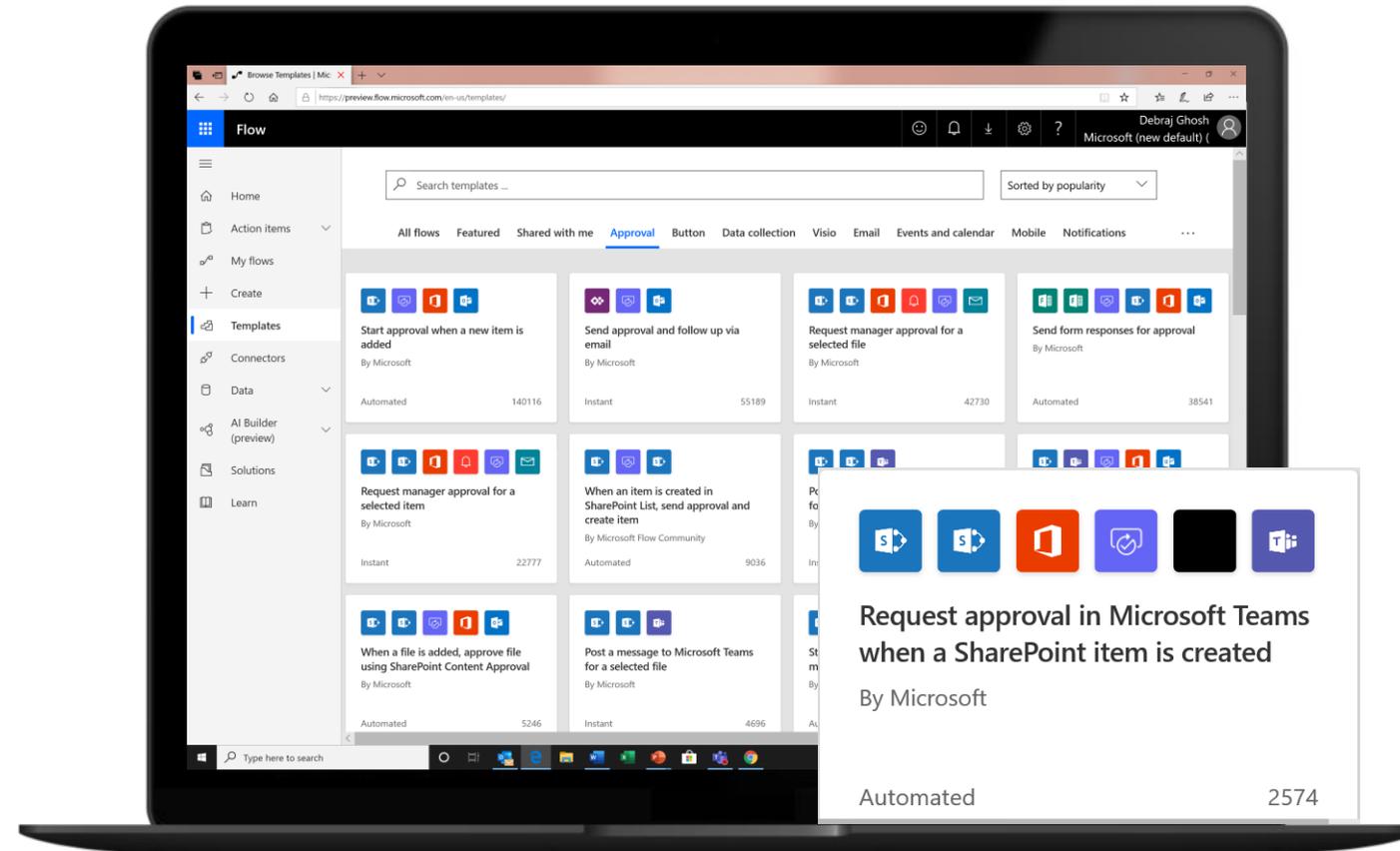
Automate approvals to focus on more valuable tasks



Many approval scenarios offered out of the box



Quickly save departmental time



Enhance Automation with the Power of AI

Leveraging AI Builder



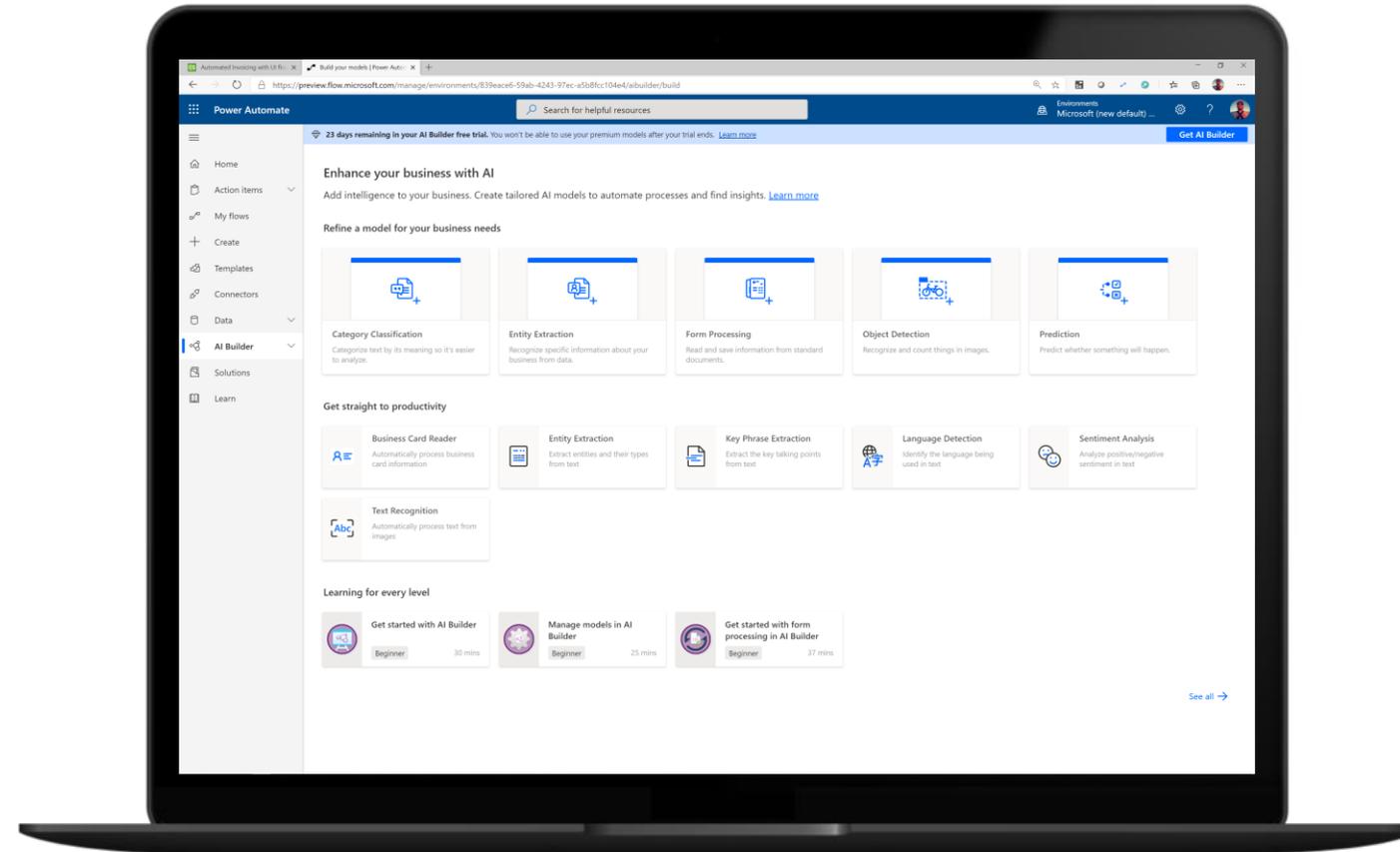
No-code AI



AI for many industry scenarios



AI for multiple industry vertical



Enhance Automation with the Power of AI

Use Powerful Pre-defined AI Models



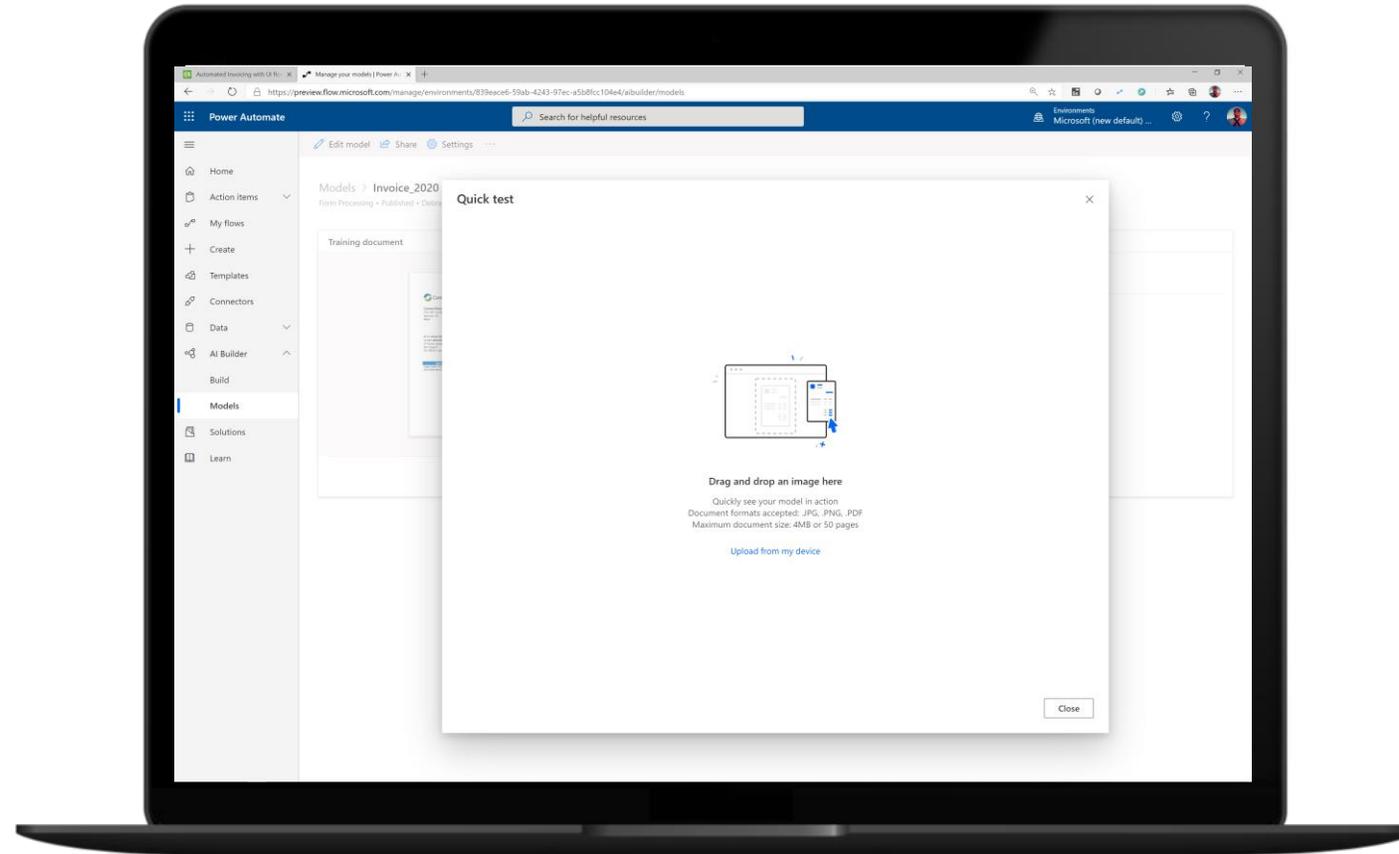
Pre-defined models



Create Custom Models



Integrate to any Power Automate





Demo

[Build an Email Triggered Process with Power Automate](#)



Power Automate Desktop

Expanding your RPA capabilities across desktop and web

Bridging automation between the old and new



Old apps
without APIs

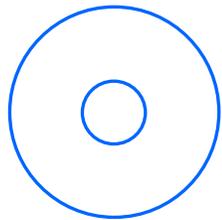


Modern Systems
with APIs

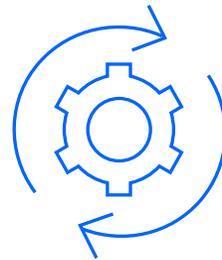
Automating Apps without APIs for our Modern World:

Automate Apps with Robotic Process Automation (RPA) Capabilities

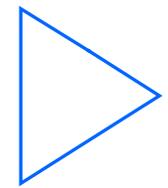
An RPA tool can learn to automate a task by watching the user perform that task in a graphical user interface (GUI), and then perform the automation by repeating those tasks directly in the GUI.



Record the Task



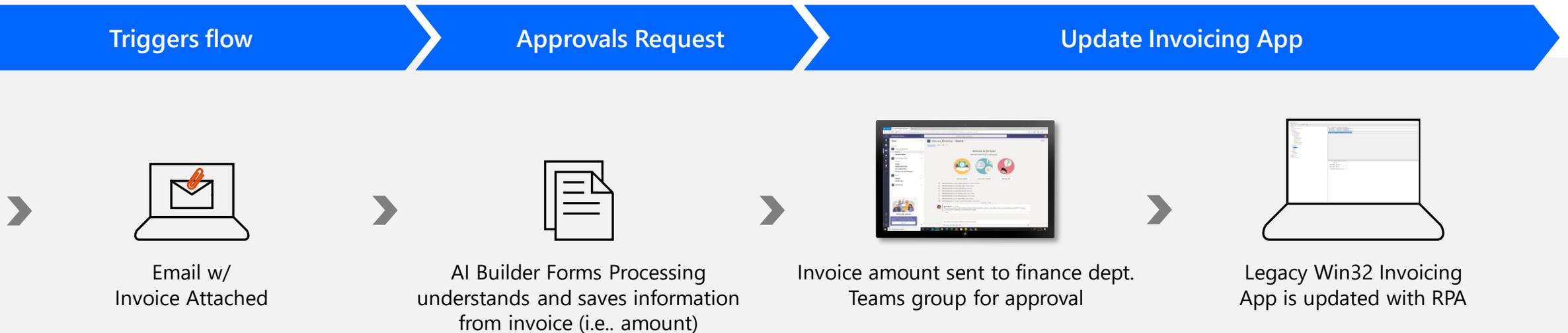
Automate the Task



Playback Task

Low Value, But Crucial Processes Fully Automated

The costs of manually invoicing are between \$2-\$10/invoice. Additionally, with the volume of invoices, sometimes errors occur. These errors often cost Contoso even more, nearing \$50/invoice. The other major cost is the time employees spend on managing these invoices.

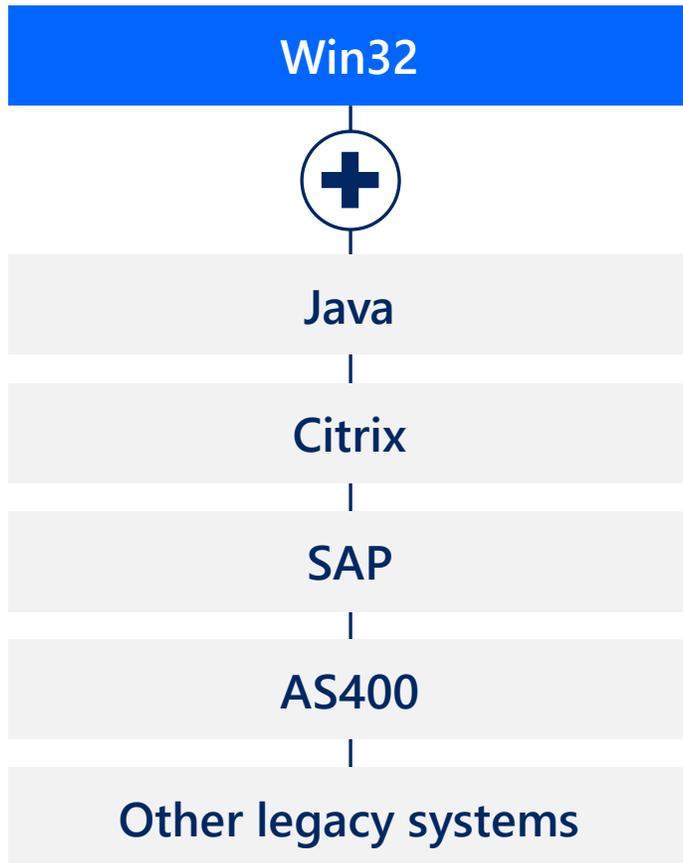


Robotic Process Automation (RPA)

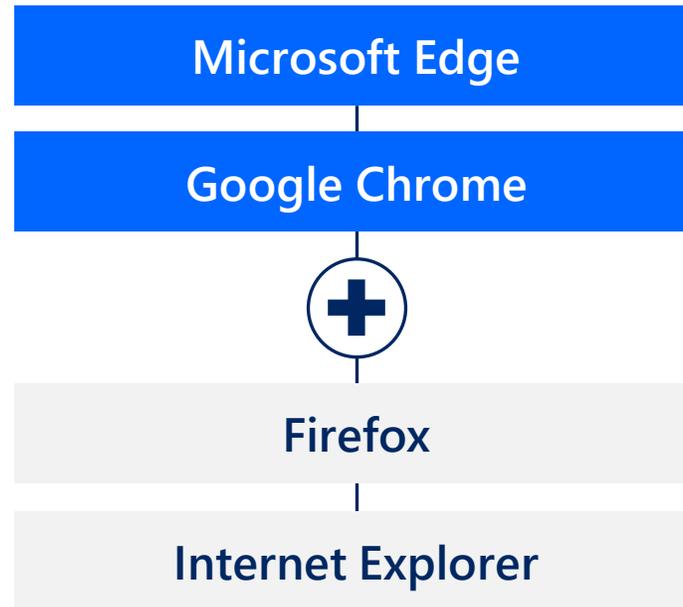
	 Attended Human initiated	 Unattended Fully automated
Overview	Drive efficiencies and automate manual, individual tasks across desktop and web	Accelerate the automation of high-volume and tedious tasks without lifting a finger
Scenario	On-demand task automation	Automate company processes at scale
Audience	Citizen developer in business unit	Automation specialist (for now) in a Center of Excellence dedicated to RPA
Requirement	User signed in on their device/human initiated	Jobs on dedicated machines/robots do the work

Expanding RPA Capabilities to Meet Your Needs

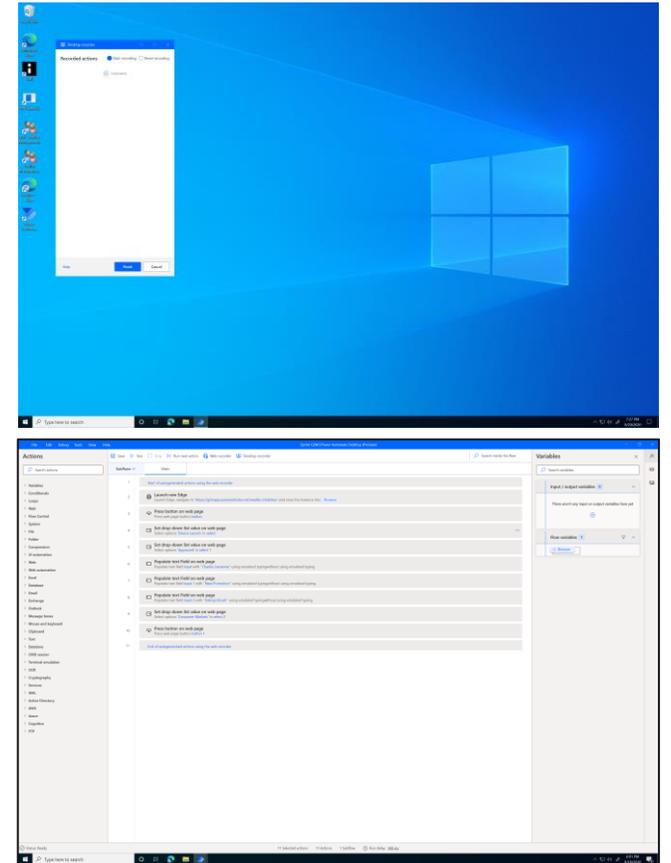
RPA for More Desktop Applications



RPA for More Browsers



Enhanced Recorder for Web and Desktop RPA

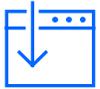


Authoring Experience

Leverage an intuitive and rich design workspace



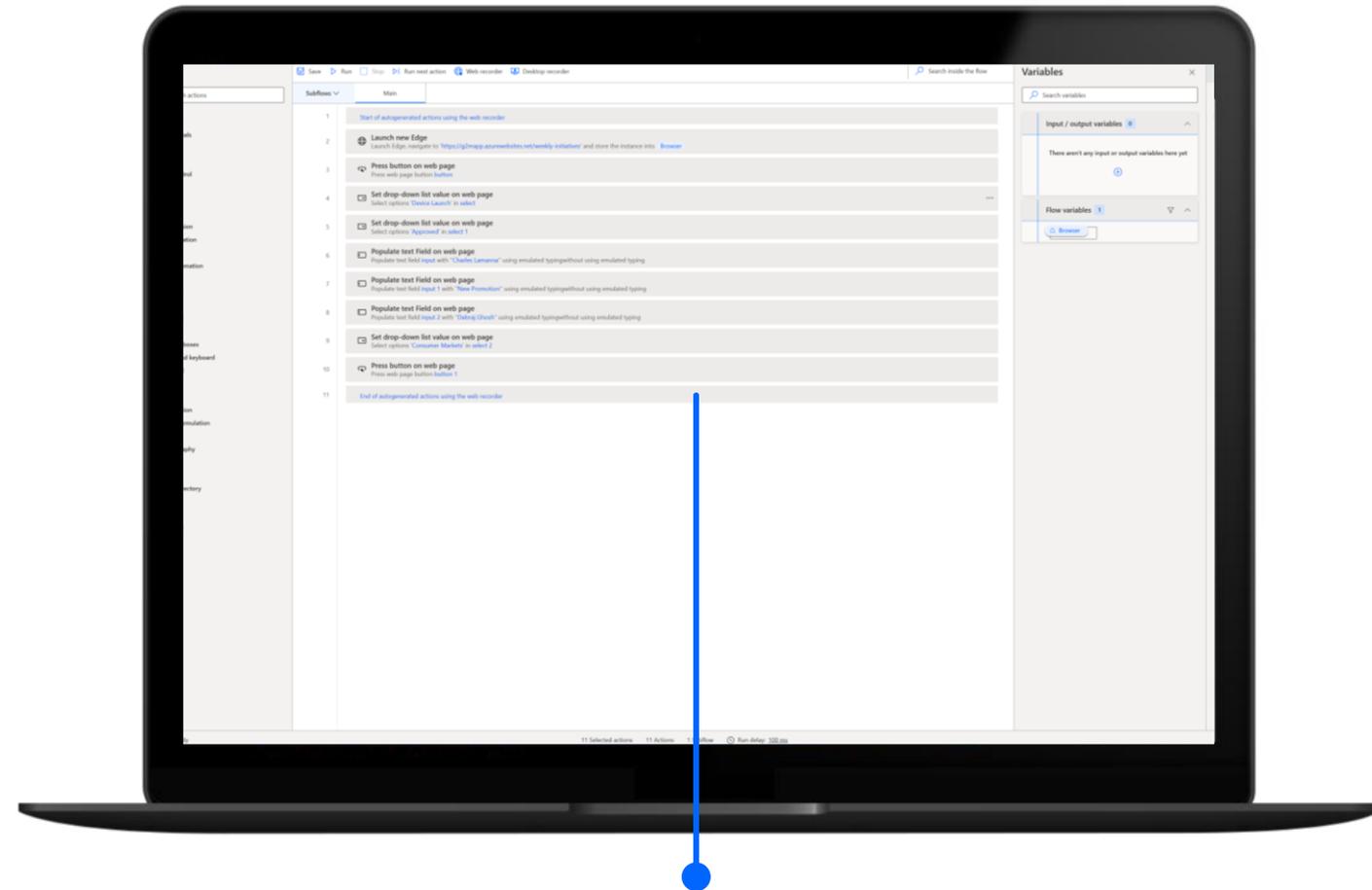
Easily add loops for repeated tasks



Leverage variables to enable dynamic data inputs



Easier data extraction and management with built-in image recognition technology



View recorded actions in a rich actions pane

Integrated with Power Automate to offer Automation at Scale

Create unique and comprehensive Process Automations combining modern connectors with RPA recordings



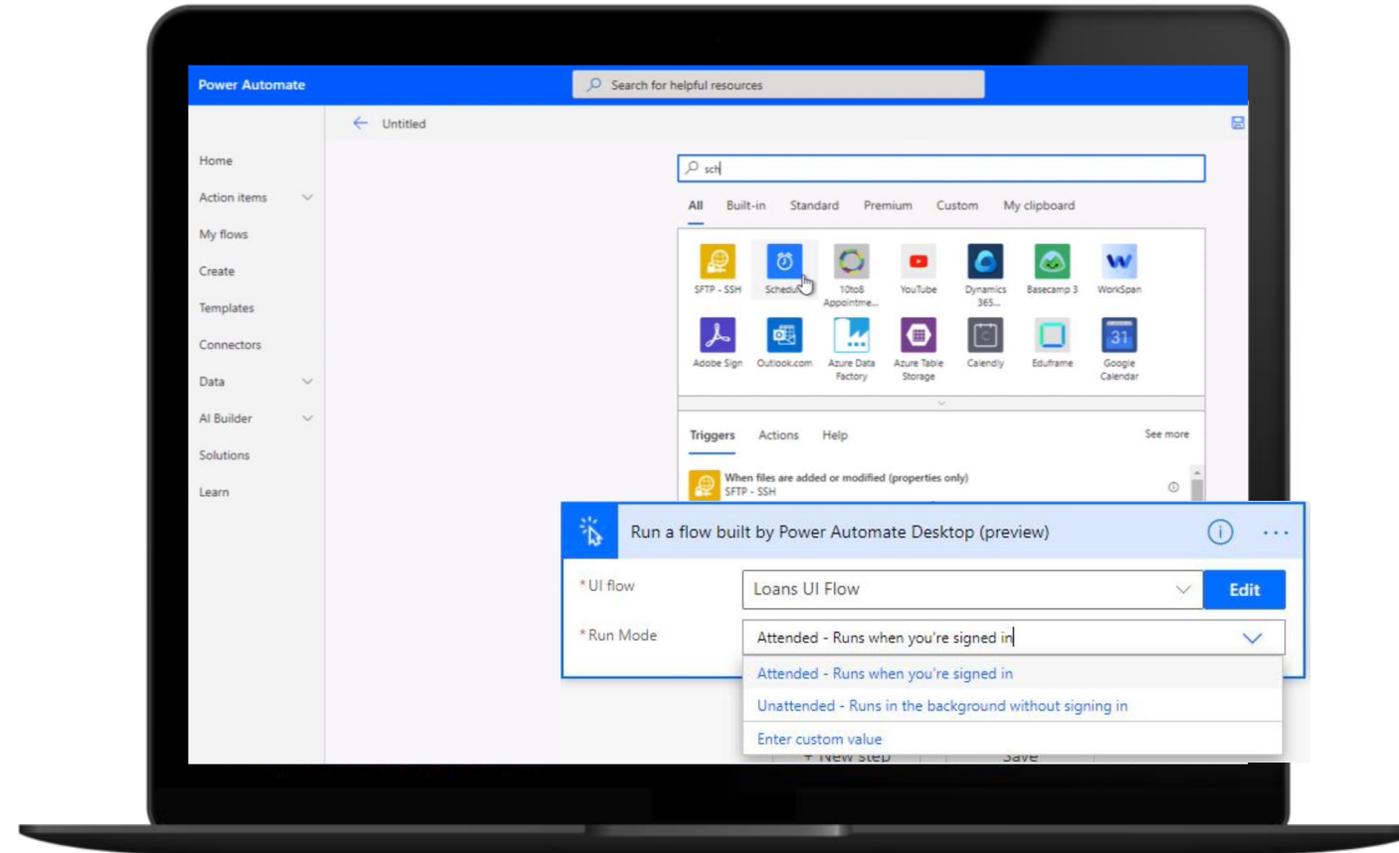
Connect your Power Automate Desktop recording with Power Automate flows



Seamlessly automate across api-based applications and non-api based applications

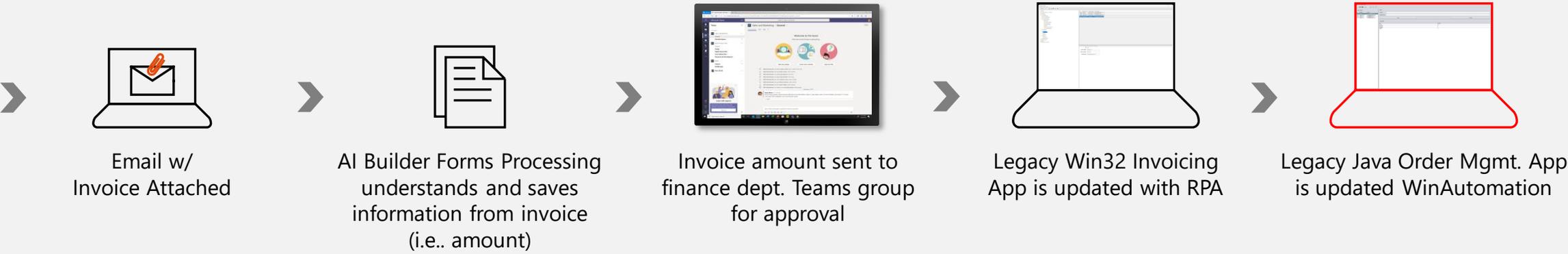


Combine Power Automate Desktop RPA with 700+ connectors to the leading enterprise services

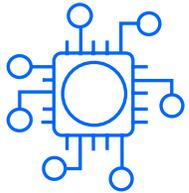


Power Automate Desktop Expands the RPA Capabilities

The costs of manually invoicing are between \$2-\$10/invoice. Additionally, with the volume of invoices, sometimes errors occur. These errors often cost Contoso even more, nearing \$50/invoice. The other major cost is the time employees spend on managing these invoices.



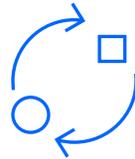
Automate Your Ecosystem with Power Automate



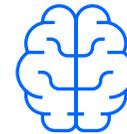
700+ Connectors
to the most widely
used applications



Natively
Integrated with
Office 365



Natively
Integrated with
Dynamics 365



Automation
powered with AI
Builder



Bring legacy apps
into the modern
world with RPA





Use Power Automate to Enhance Enterprise Solutions:

Design REST APIs & Custom Connectors,
Leverage Azure Logic Apps, Automate Business Processes

Enhance Your Own Apps with Power Automate

Use REST APIs with your flows



Call Power Automate from your app



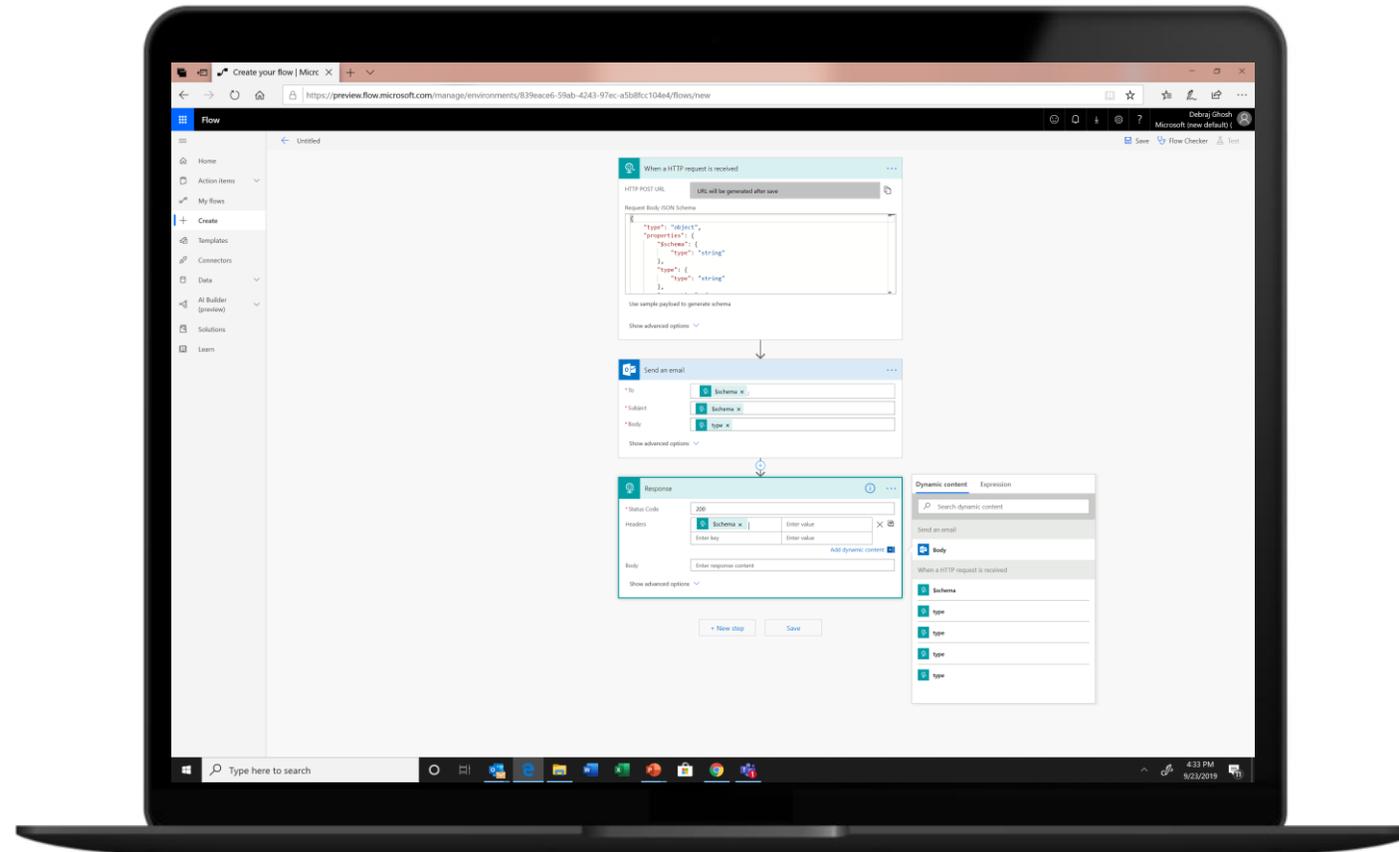
Power Automate can connect your app to other services



Customize your API call format



Use JSON schema to design the call format



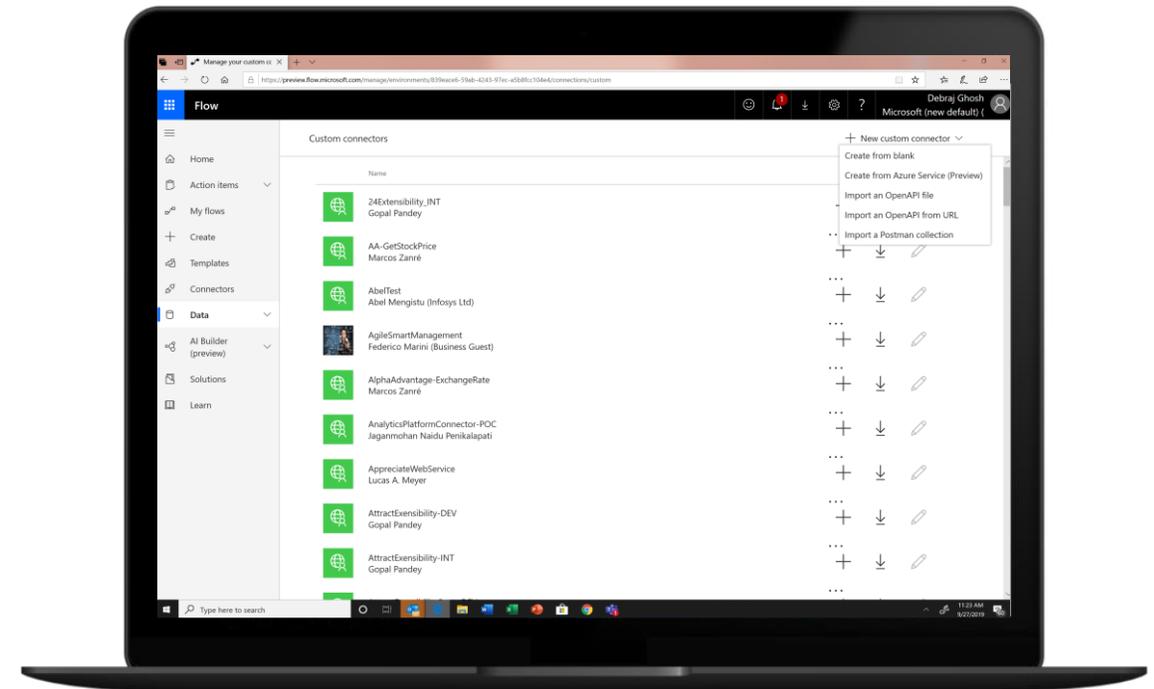
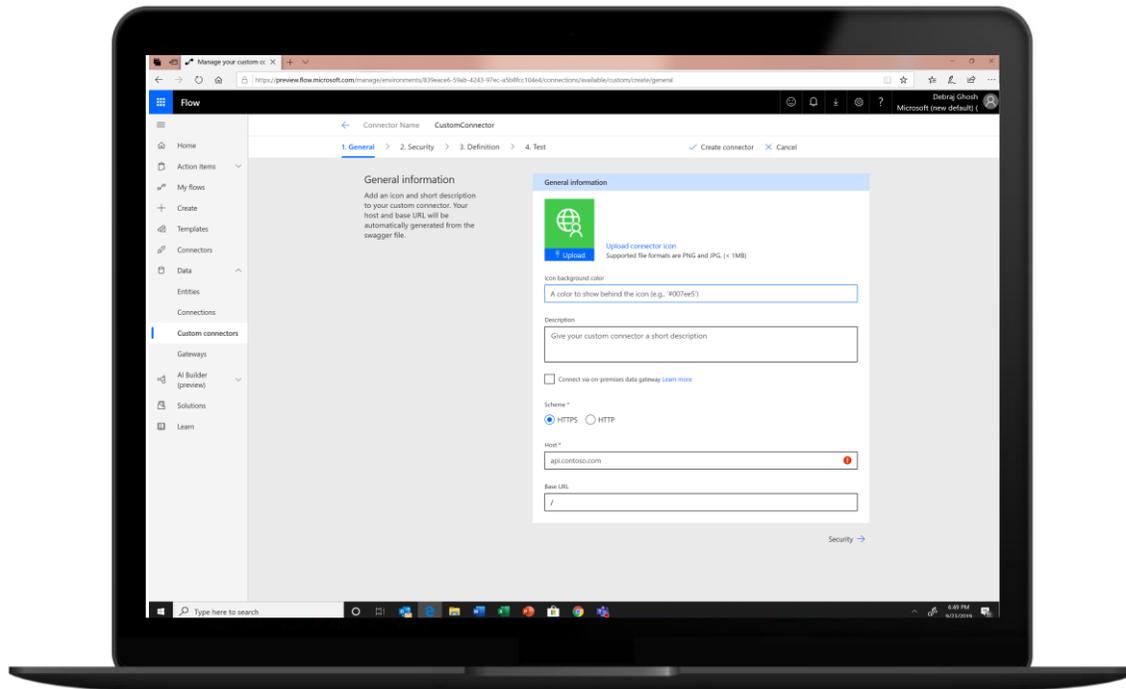
Expand the Ecosystem For your Flows

Create Custom Connectors

Build from scratch

(Or)

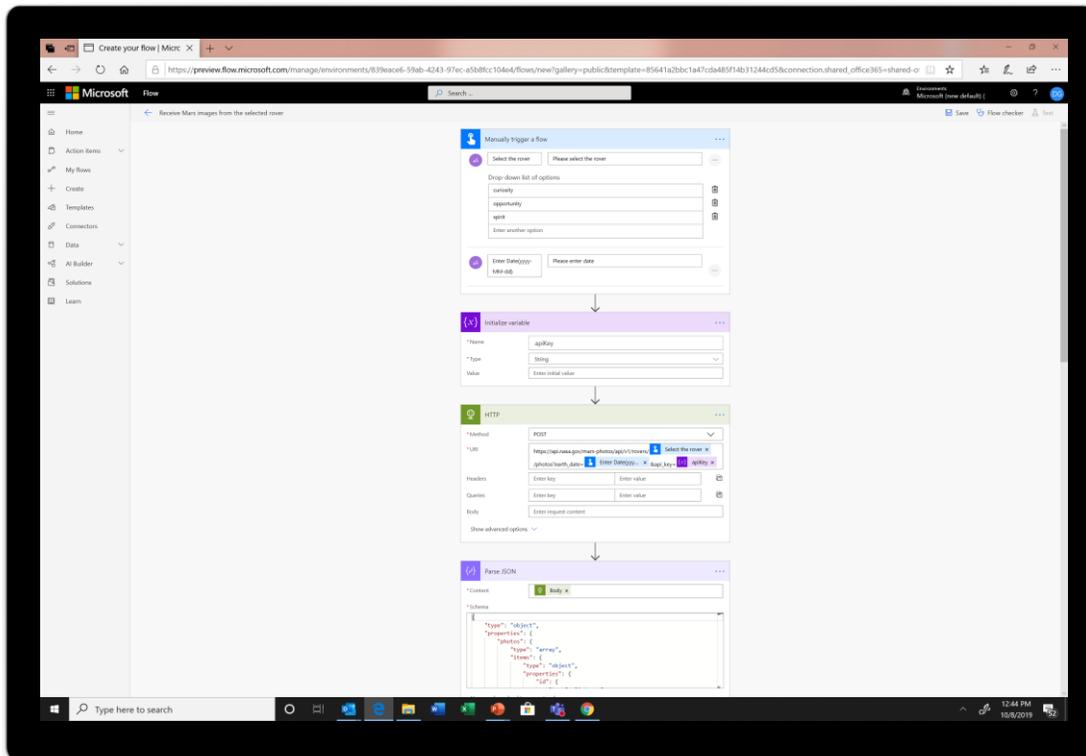
Build from OpenAPI file or URL



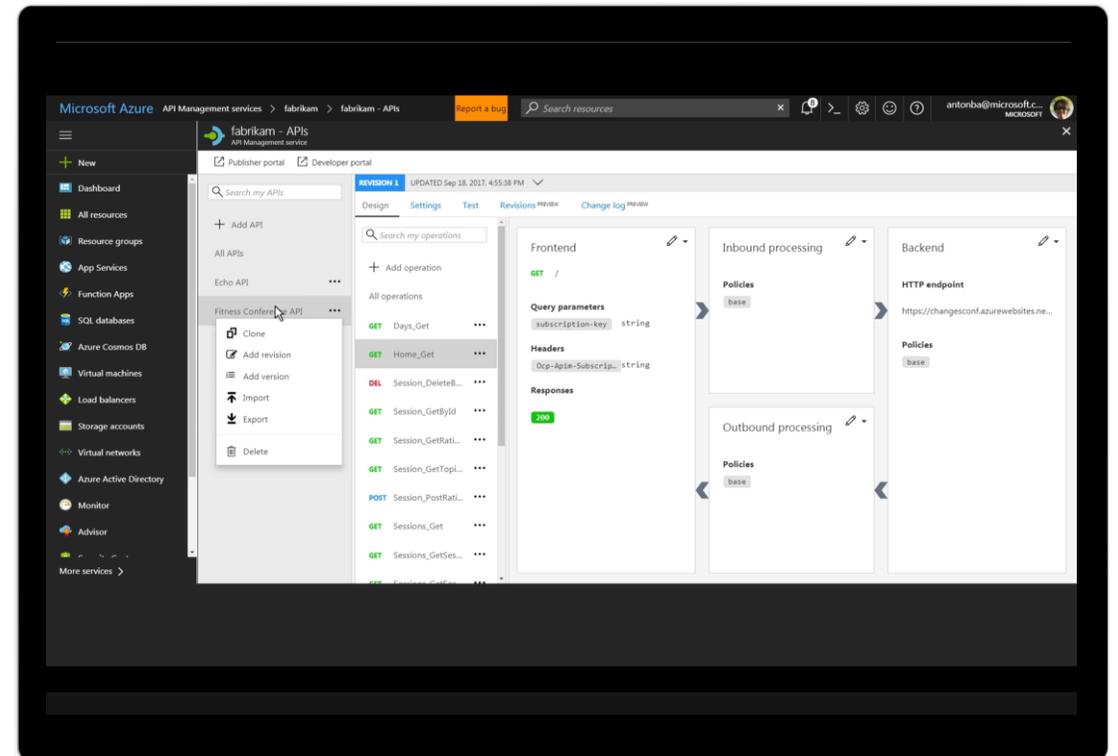
Expand the potential of your Automation with Azure API Management

Expose your Flow as an API in Azure API Management

Create Your Flow



Manage it as an API



Easily Combine Power Automate with Azure Logic Apps

Enrich Your Capabilities



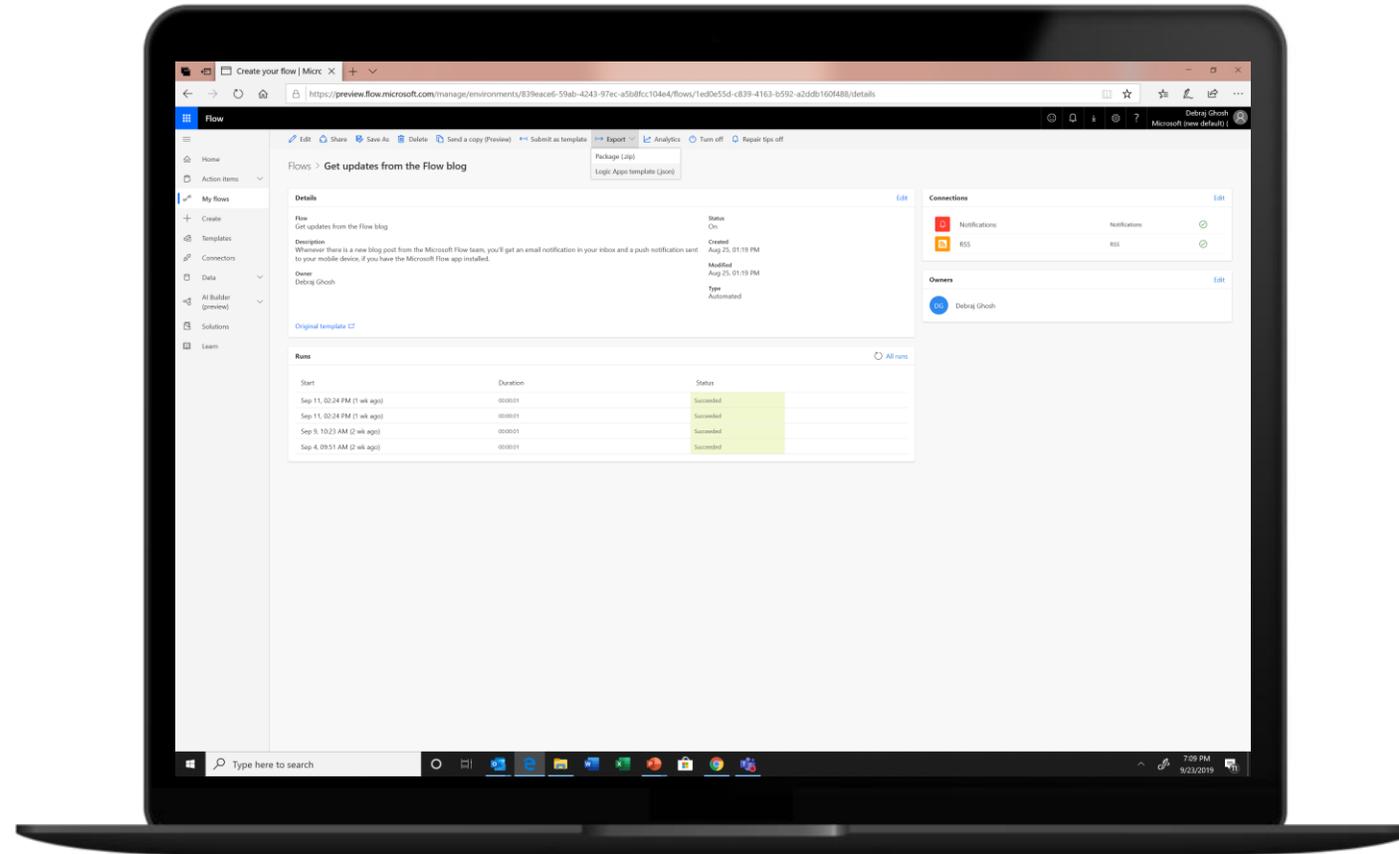
Export flows to Visual Studio



Leverage your Power Automate to design a b2b connector



Extend your flows to solutions deployed on Azure

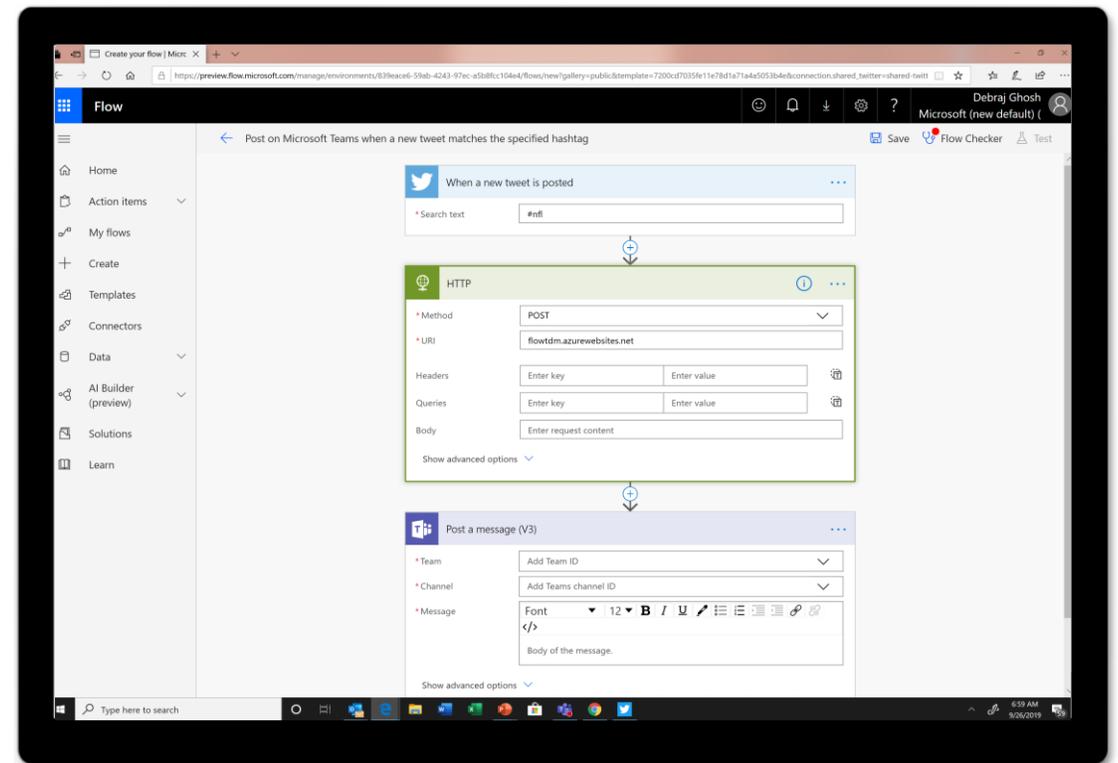
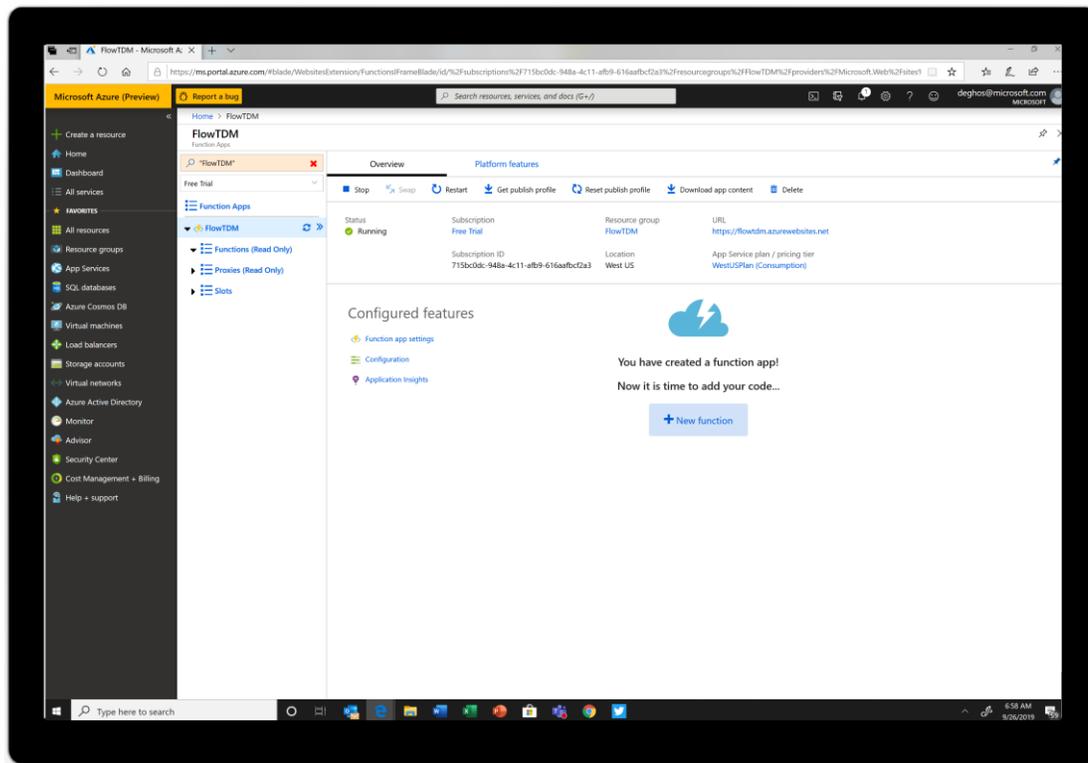


Unlock more Potential with Flows including Azure Functions

Add Sophisticated Azure Functions into Power Automates

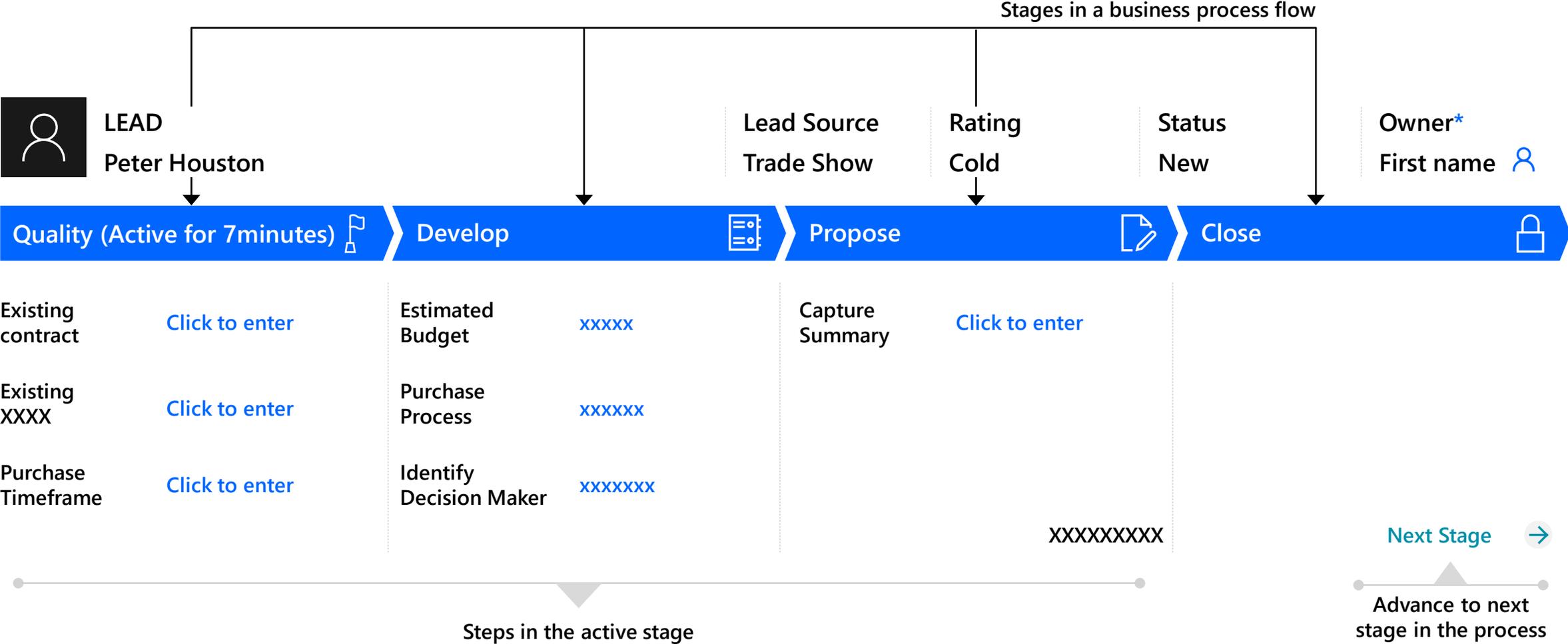
Create Your Azure Function

Add Your Function to Your Power Automate



Power Automate Can Be used to Enhance Business Processes

Guide users to a desired outcome



Pre-packaged with Multiple Business Process Flows

Out of the box business process flows



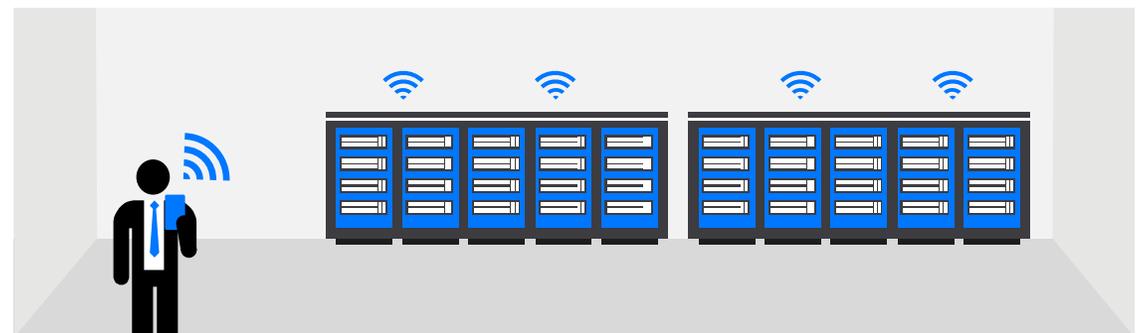
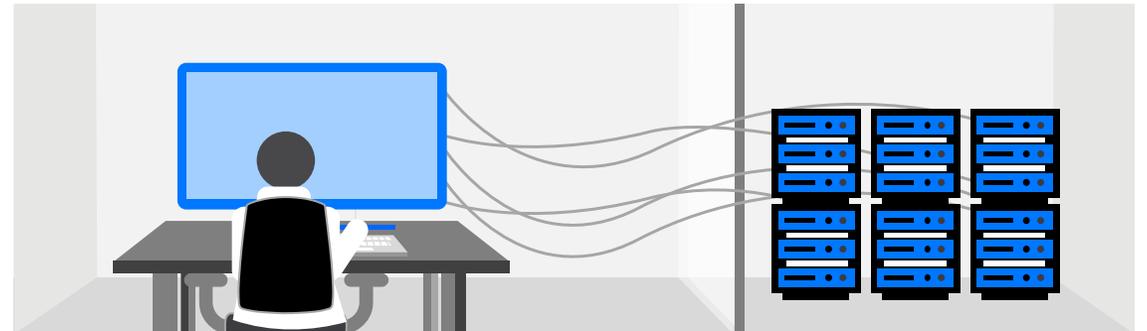
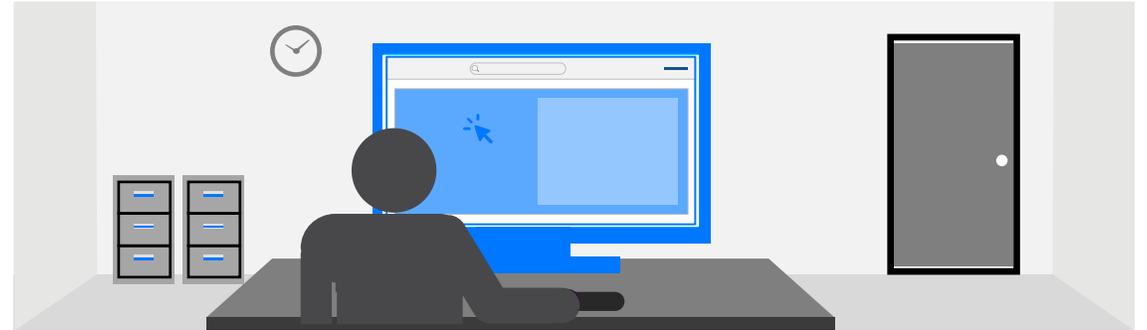
Lead to Opportunity Sales Process



Opportunity Sales Process



Phone to Case Process



Let Power Automate Make Business Processes Easy to Automate

Ensure Consistent Data Collection & Workflows



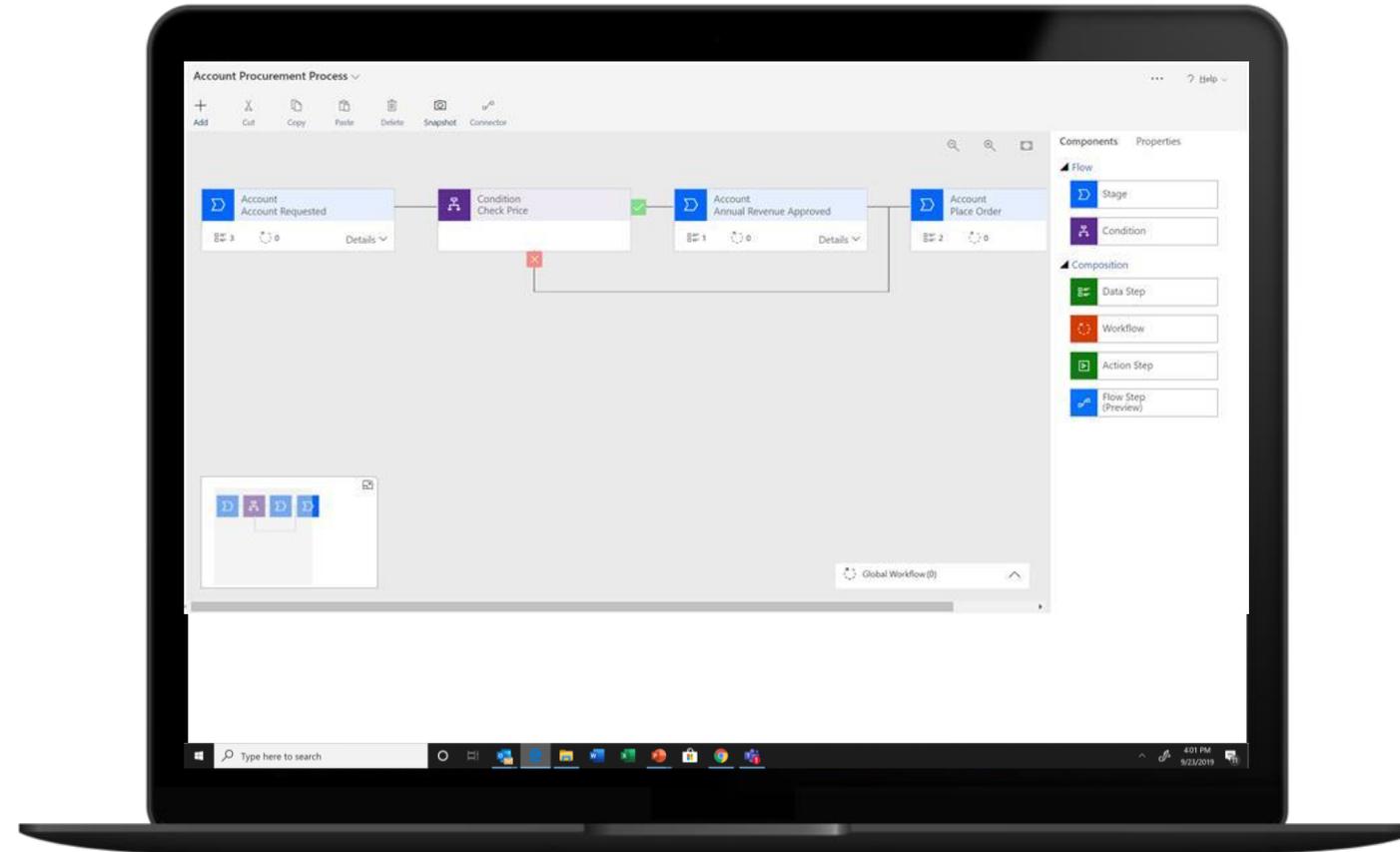
Ensure data consistency



Guide end users



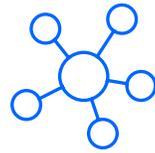
Streamline and tailor user experiences



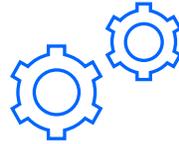
Extend Automation to Multi-faceted Solutions



Call Power Automate to your own APP with REST APIs



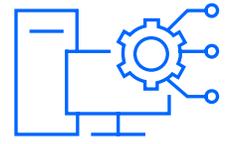
Design Custom Connectors



Combine Power Automate with Azure Logic Apps



Harness the Power of Azure



Automate sophisticated Business Processes



Demo

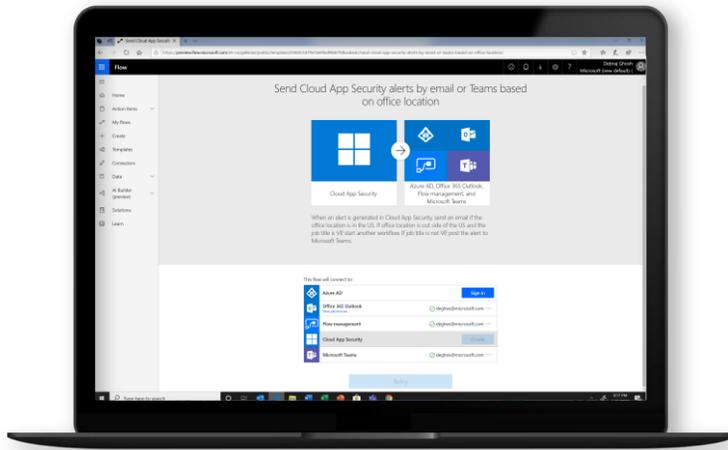
Flow using Azure Function



Designed To Meet the Needs of Modern IT/Admins

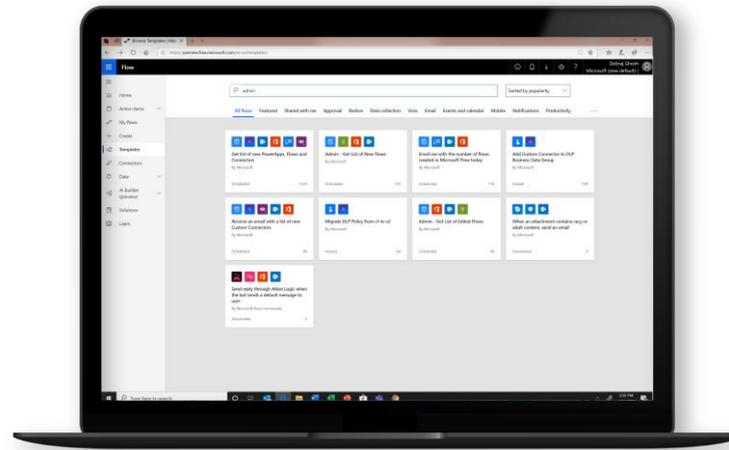
Automate IT Tasks, Secure & Compliant, Flexible Controls, Easy to Monitor

Automate Management and Control

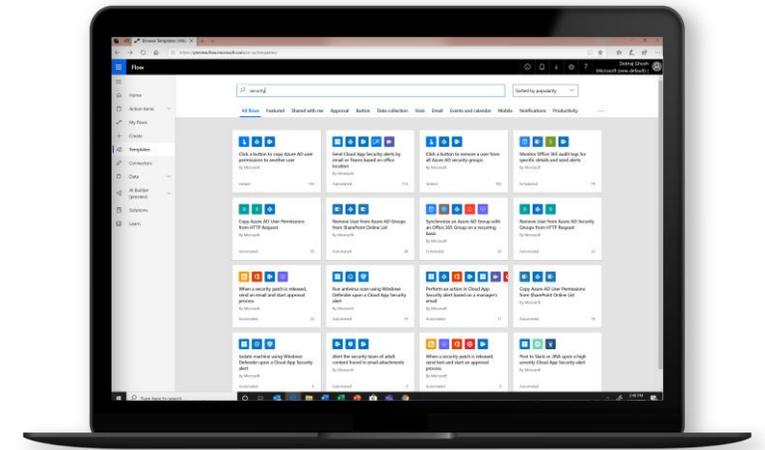


Automate and Enhance IT Experiences

Power Automate Management Connector

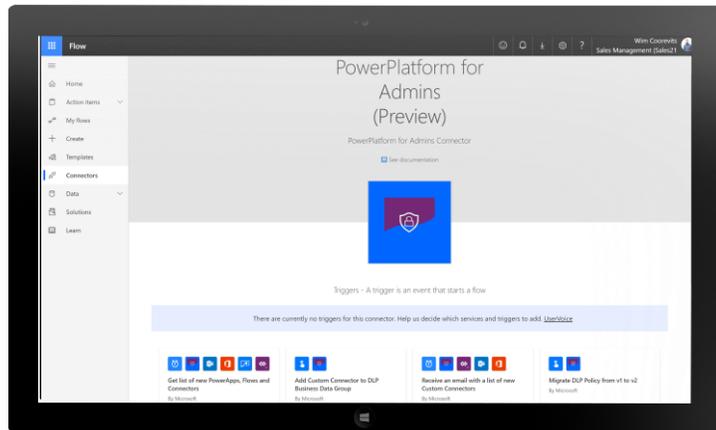


Automate IT Tasks General IT Admin functions



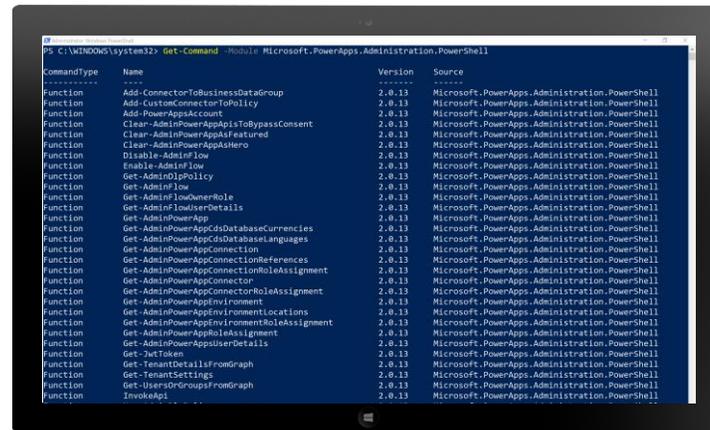
Automate IT Tasks Security Admin functions

Automate Management and Control



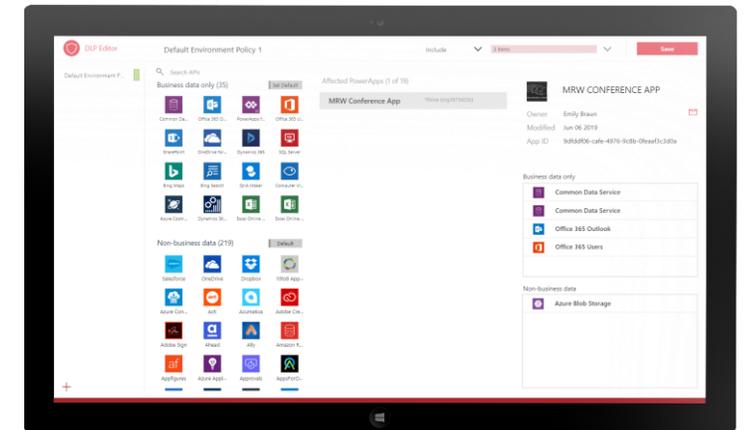
Power Platform management connectors

Automate management through the ease-of-use of Power Apps and Microsoft Power Automate



PowerShell Cmdlets

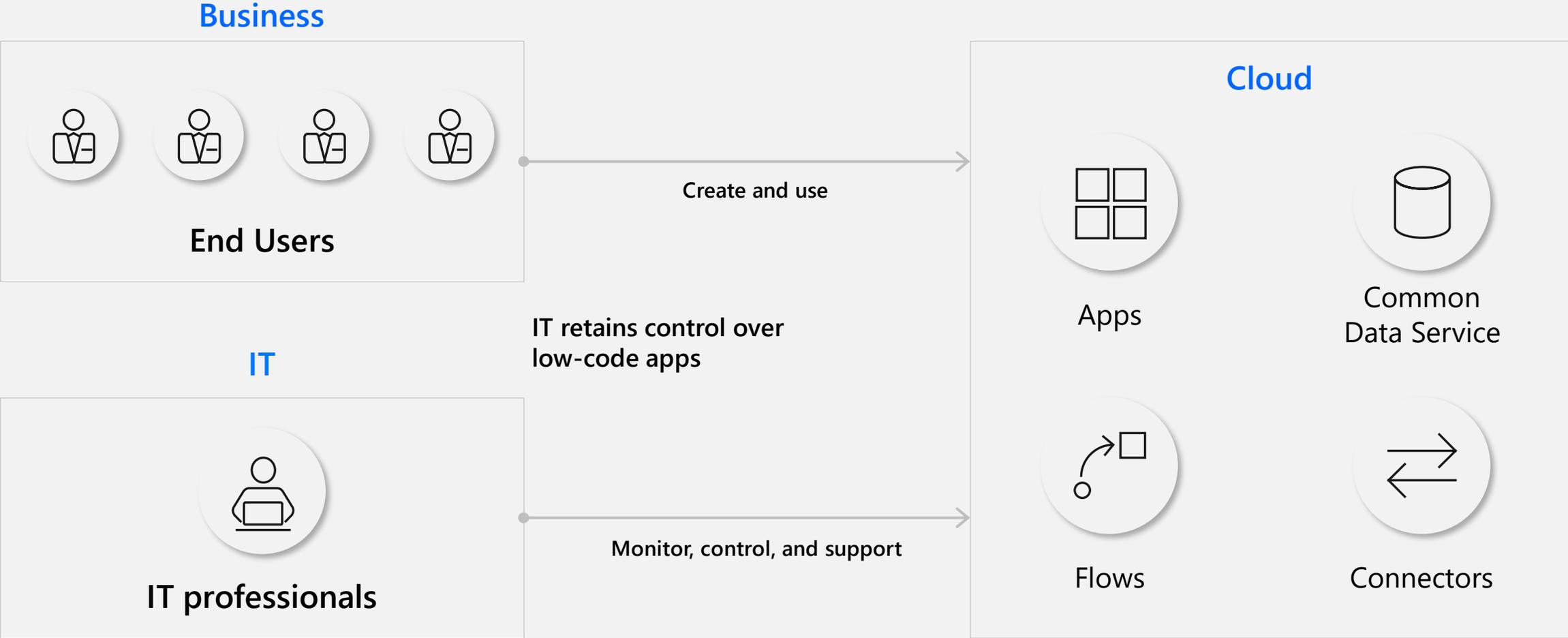
Script the automation you need with the Administrator and Maker Cmdlets



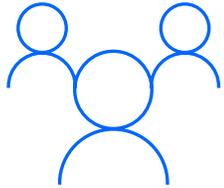
Center of Excellence starter kit

A set of tools to help manage resources and information for an organization to get started with adopting the Power Platform

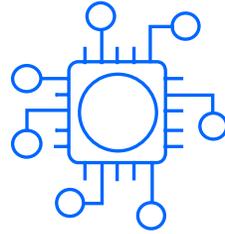
Gain Visibility & Control



Built on A Secure Foundation



Identity & Access



Encryption



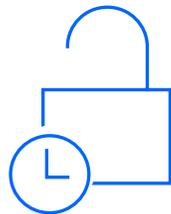
Data Loss Prevention

Built on A Secure Foundation

Best in class Authentication & Access Management with Azure Active Directory



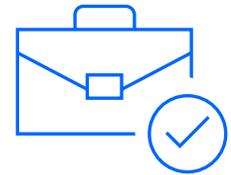
Just
Enough Access



Just in
Time Access



Role and task-
based access



Audit-ready

Protect and control privileged access to your organization

Built on A Secure Foundation

Power Automate Offers Strict Data Loss Prevention (DLP) Policies



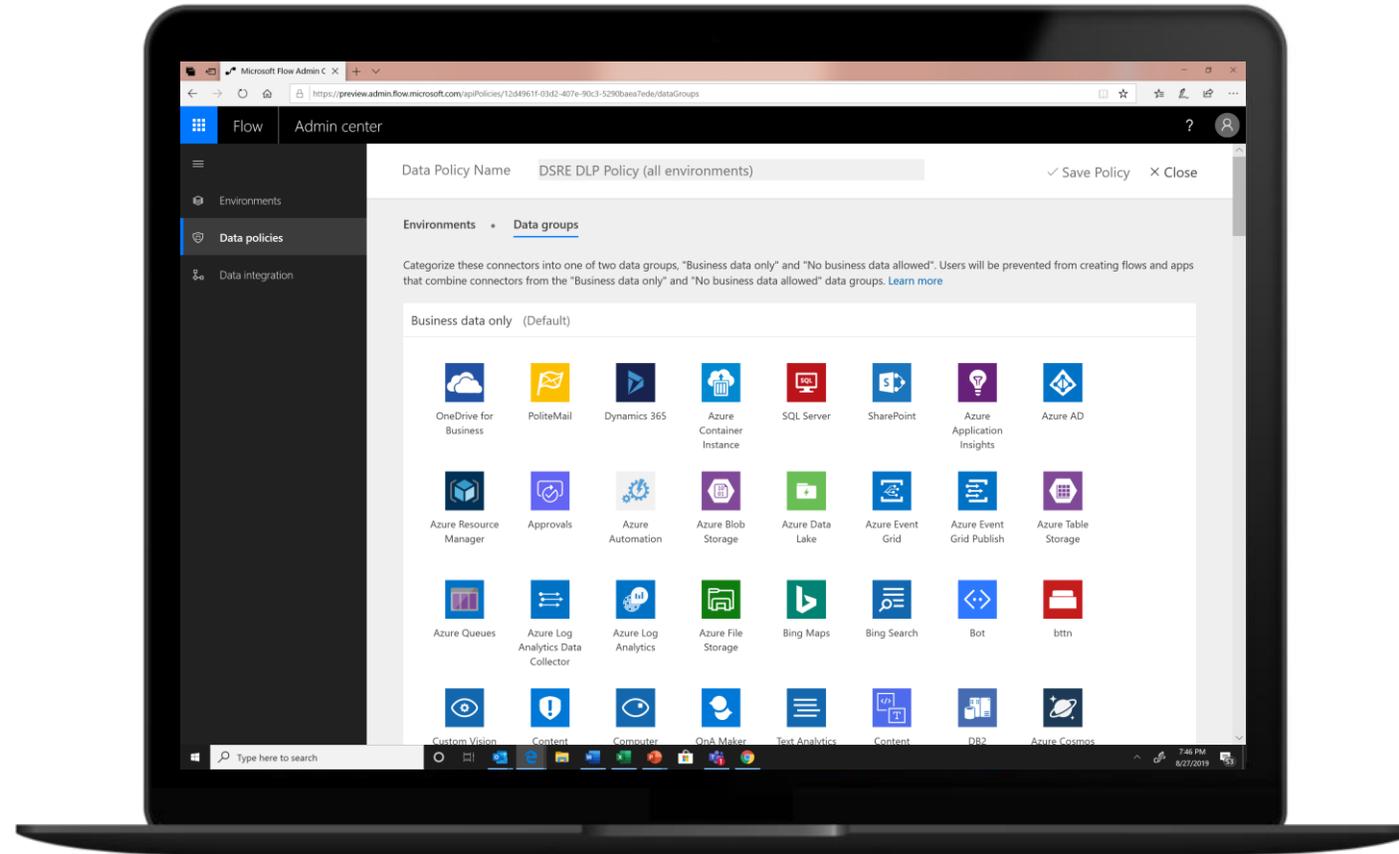
Prevent data leakage/theft



DLP policies can be customized at the user, environment, or tenant level

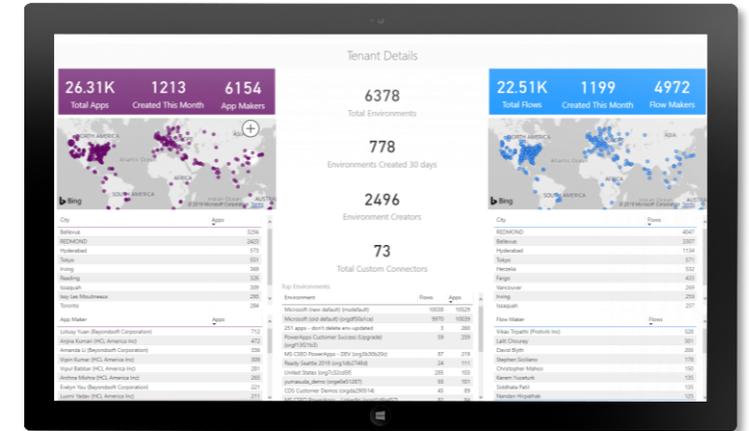
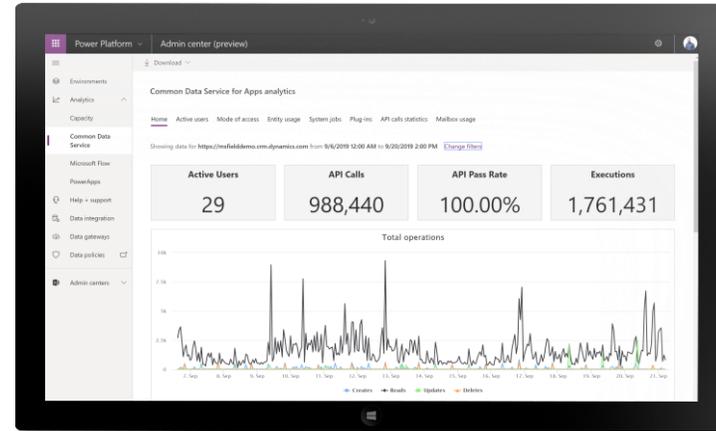
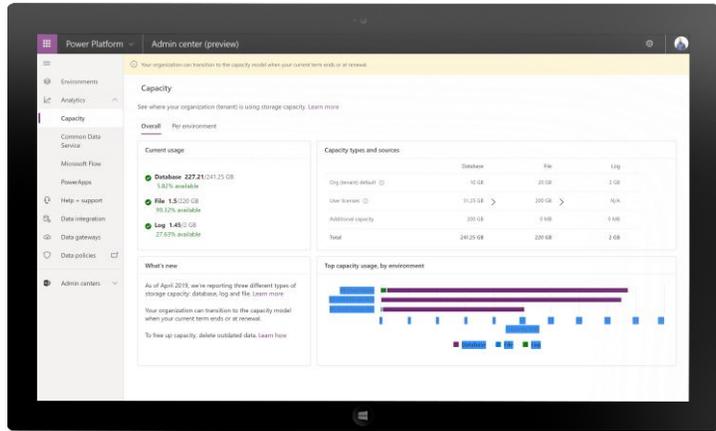


Connectors can be classified as 'Business Data Only' or 'No Business Data Allowed'



Admin reporting and analytics in the Power Platform Admin Center

Insights in a unified dashboard



Admin insights provide deep visibility into usage and performance of applications

Users
Locations
Capacity

Analytics track health and implementation metrics and help keep users on track

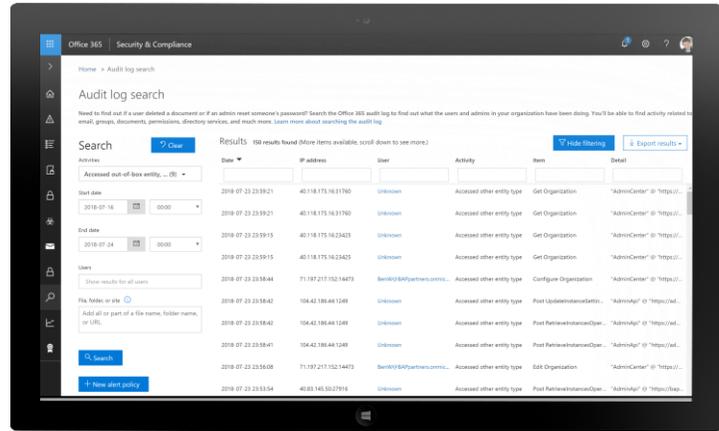
Service performance
Error reporting
App usage

Personalize insights and drive action with custom Power BI reports and Microsoft Power Automate

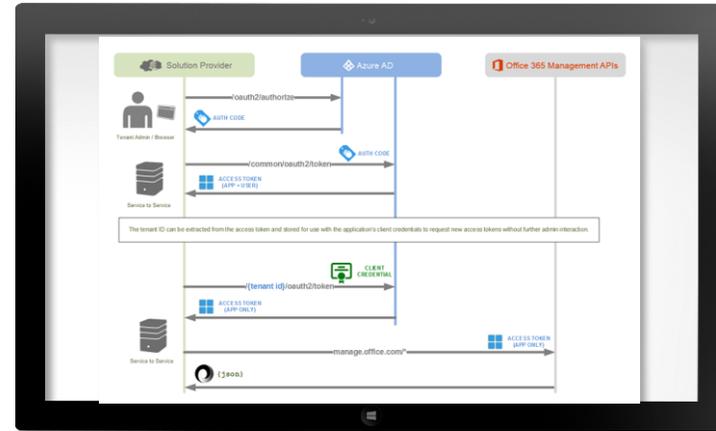
All up view of what's being created
Discover your champions
Trigger automated actions

Activity Logging Integrated with Office 365 Security & Compliance

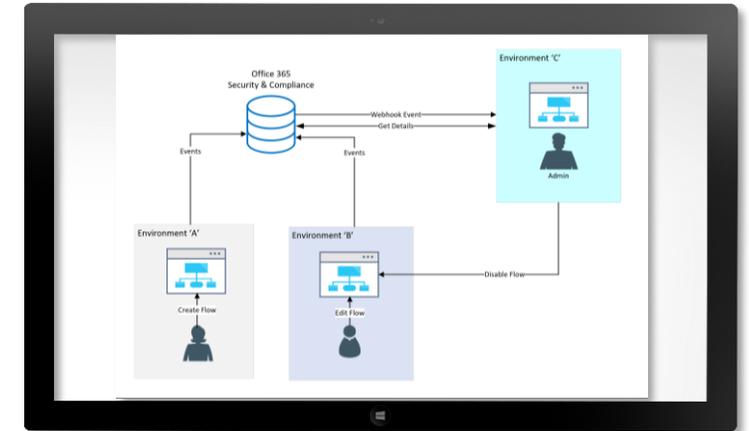
Gain visibility into how Power Automate is being used



Audit records are stored in Office 365 Security & Compliance center



Office 365 Management Activity API enables creation of custom monitoring solutions or integration with SIEM vendors



Automate actions and alerts by connecting Microsoft Power Automate to audit events

Efficient and Secure Data Integration and Storage

Power Automate is built with by the Microsoft Dataverse

Dataverse lets you securely store and manage data that's used by business applications

Dynamics 365

Office 365

Mobile Apps

Web Apps



Power BI



PowerApps



Power Automate



Power Virtual Agents



Dataverse



Data connectors

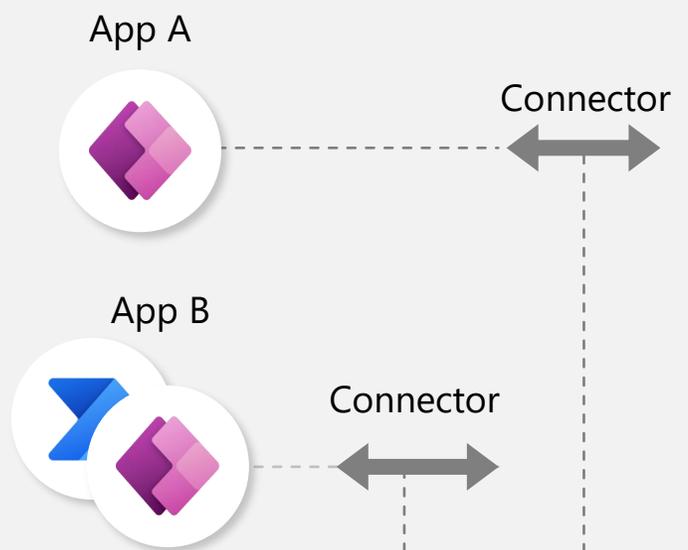
Azure



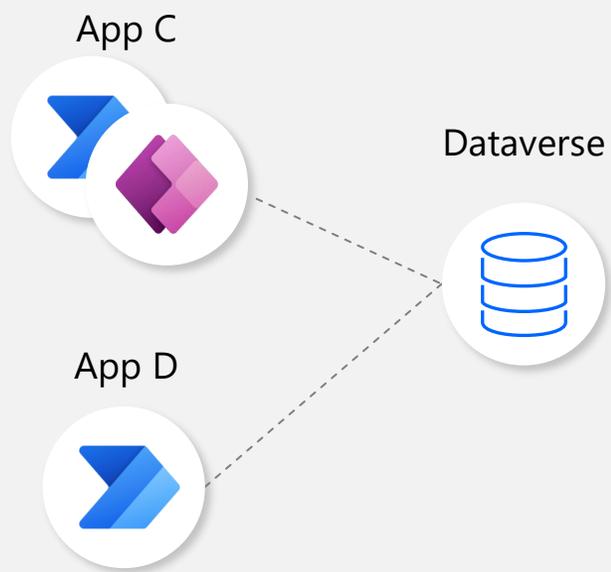
Microsoft
Power Automate

Tenant Environments

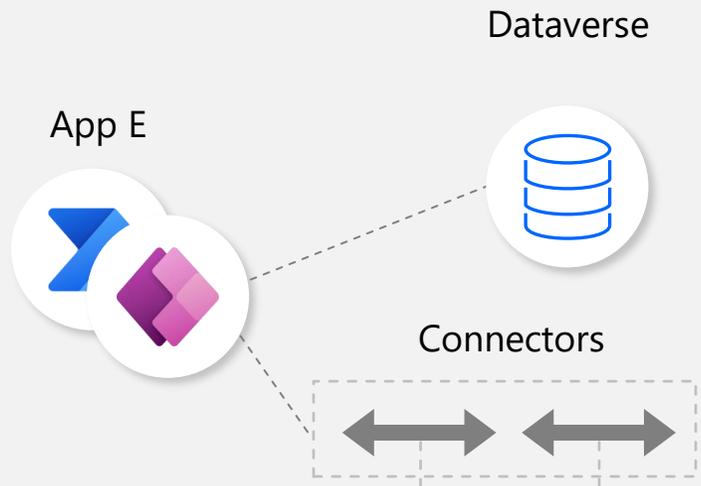
Production



UAT

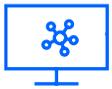


Dev/Test



Easily Connect Your Cloud and On-Prem Data

Build Custom Data Gateways to Connect On-Prem and Cloud



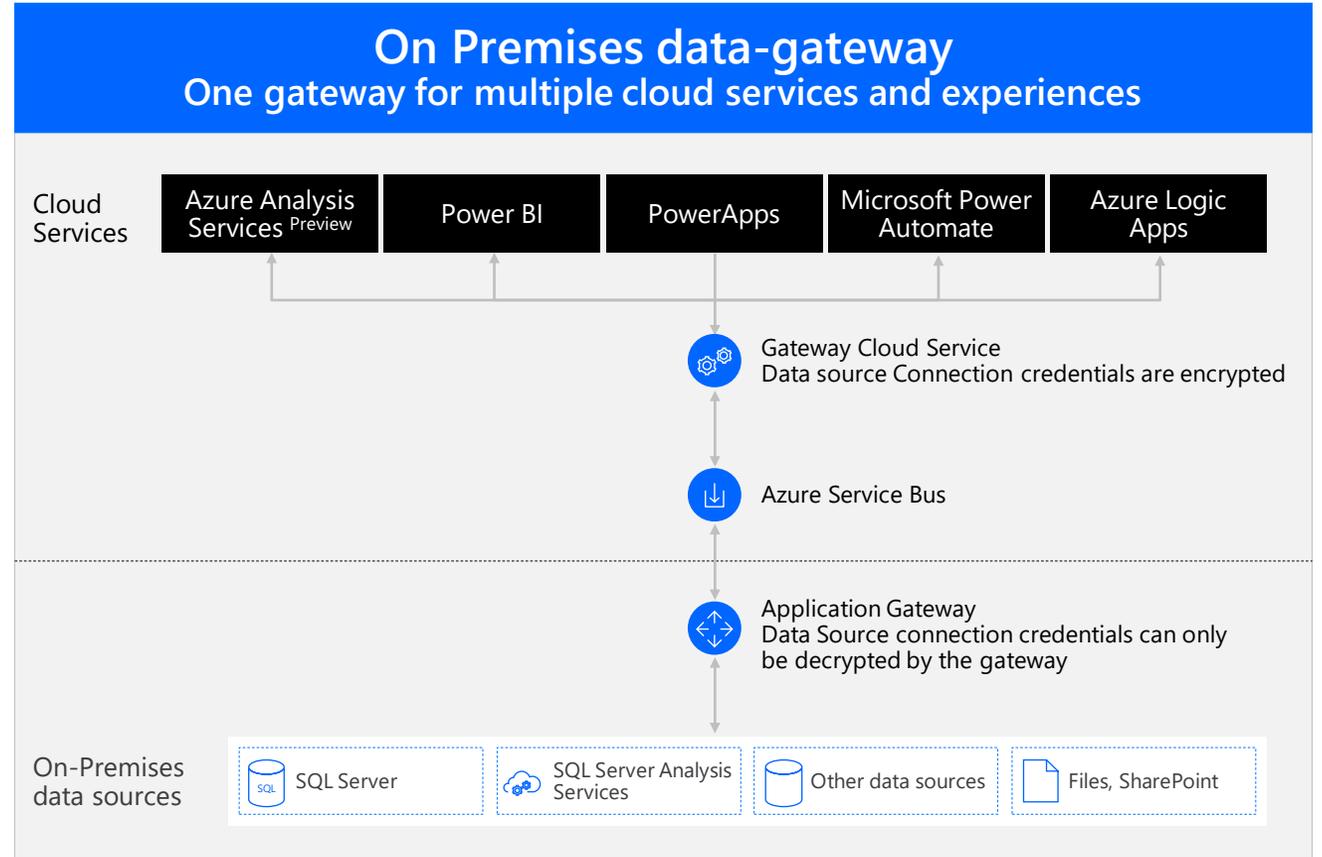
Create and manage your own data gateway to connect to on-prem data



10+ connection types for the gateway



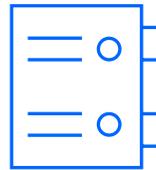
Create high availability clusters of on-premises data gateway installations to avoid single points of failure



Built for Modern IT/Admins



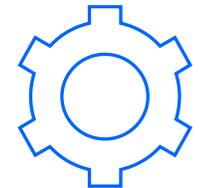
Powerful Governance
in Unique Power
Automate
Environments



Rich and broad DLP
Policies to ensure data
is protected



Visibility, control, and
reporting for
automation
capabilities



Enabling Automation
of IT processes





Get Started Today

Power Automate Offers Online Tutorials



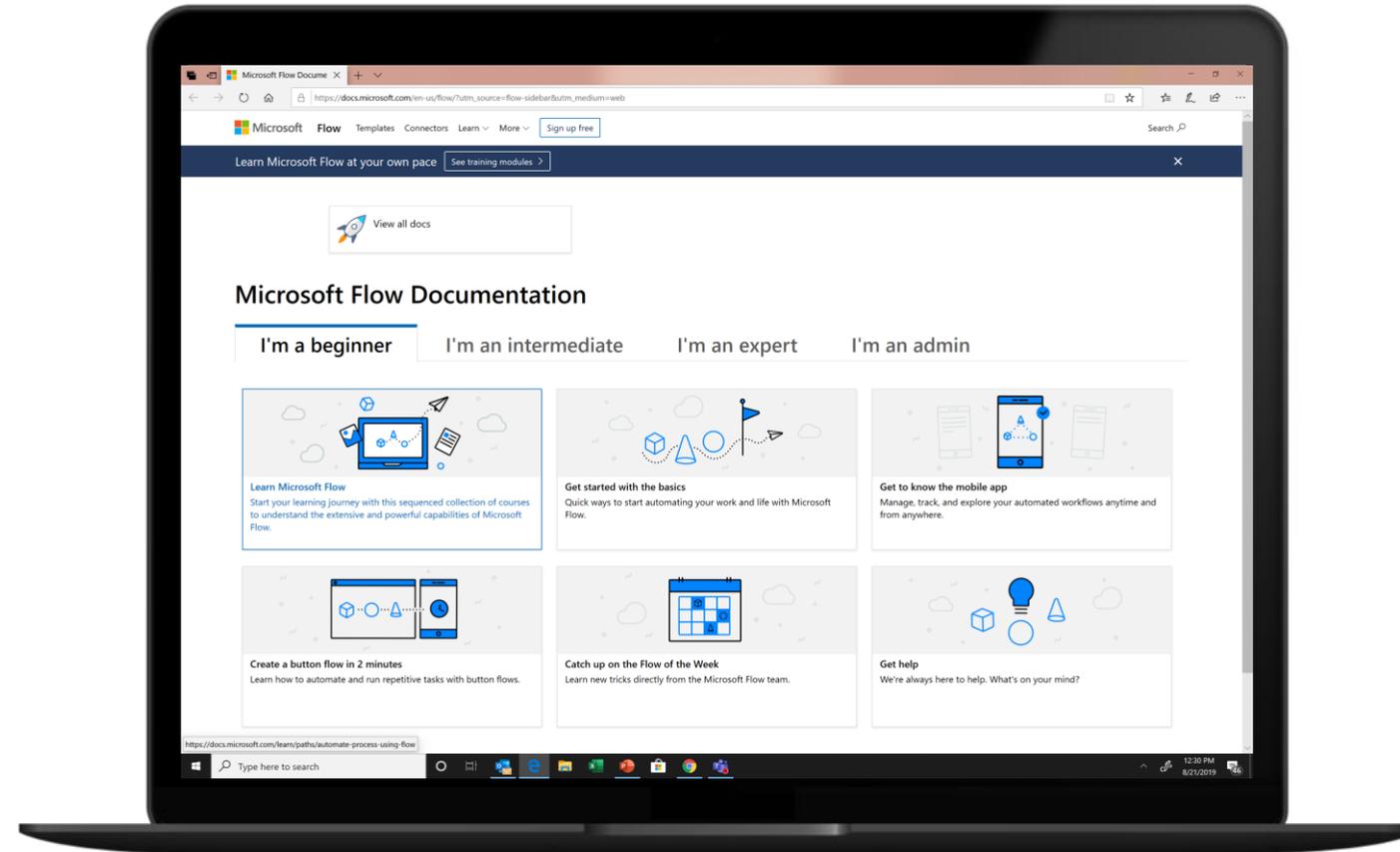
Detailed tutorials



For any level of experience



Quickly go from novice to expert



Join the Power Automate Community



[Microsoft Power Automate Community](#)



Follow all the latest Power Automate news on the [Power Automate Blog](#)



Power Automate Tutorial [YouTube Channel](#)



[Monday & Tuesday Video Series on YouTube](#)



[Power Automate Product Roadmap](#)



Microsoft
Power Automate



Thank You



A Bit More On Power Automate Security

Power Automate Offers Secure Authentication

Secured with Azure Active Directory

Your universal platform for managing and securing identities



MODERNIZE ACCESS

Connect your users
to any app

- Single Sign-On
- Azure AD Connect
- Automated User Lifecycle
- Self-Service for End Users
- Access from Anywhere



SECURE & GOVERN

Safeguard user
credentials

- Strong Authentication
- Conditional Access
- Identity Protection
- Privileged Identity Mgmt.
- Identity Governance



CONNECT & COLLABORATE

Interact with customers
and partners

- Customer & Partner Identity and Access Management
- Cross-Tenant Collaboration
- Personalized Customer Journeys
- Connect with Any User



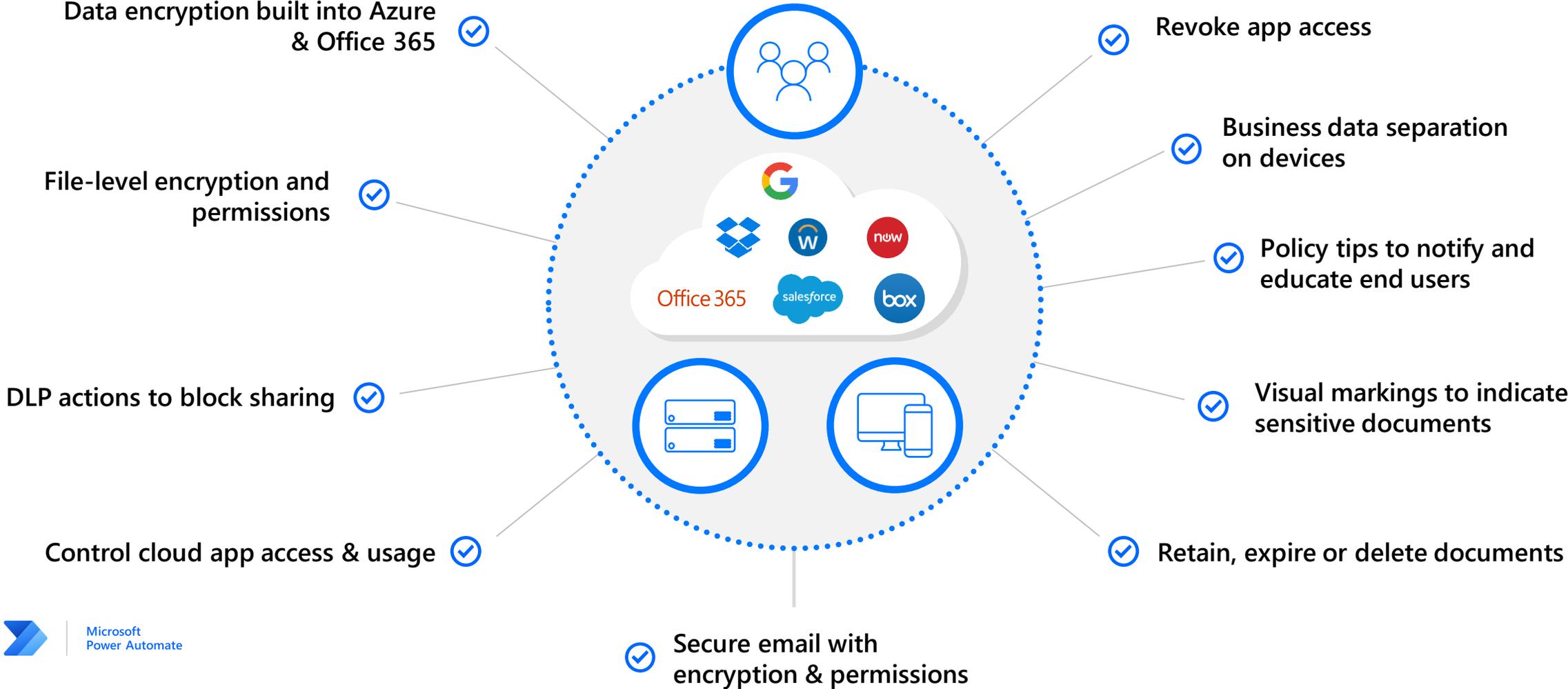
DEVELOP & INTEGRATE

Accelerate adoption of
your apps

- Open standards-based Identity platform
- App Integration
- Microsoft Graph
- Identity for IaaS

Power Automate Protects your Data with Microsoft Data Loss Prevention (DLP)

Protect sensitive information across devices, cloud services & on-premises



Prevent Accidental or Inappropriate Sharing with Data Loss Prevention in Office 365



Microsoft
Teams

Chat messages
Channel conversations



Exchange
Online

Email in transport
Email body
Attachments
Include or exclude
groups



SharePoint
Online

Any file that can be
crawled
Files used in Teams sites
Include or exclude sites



OneDrive
for Business

Same file types as
SharePoint
Include or exclude
accounts



Office
desktop apps

In-app policy tips
Word
PowerPoint
Excel
Outlook

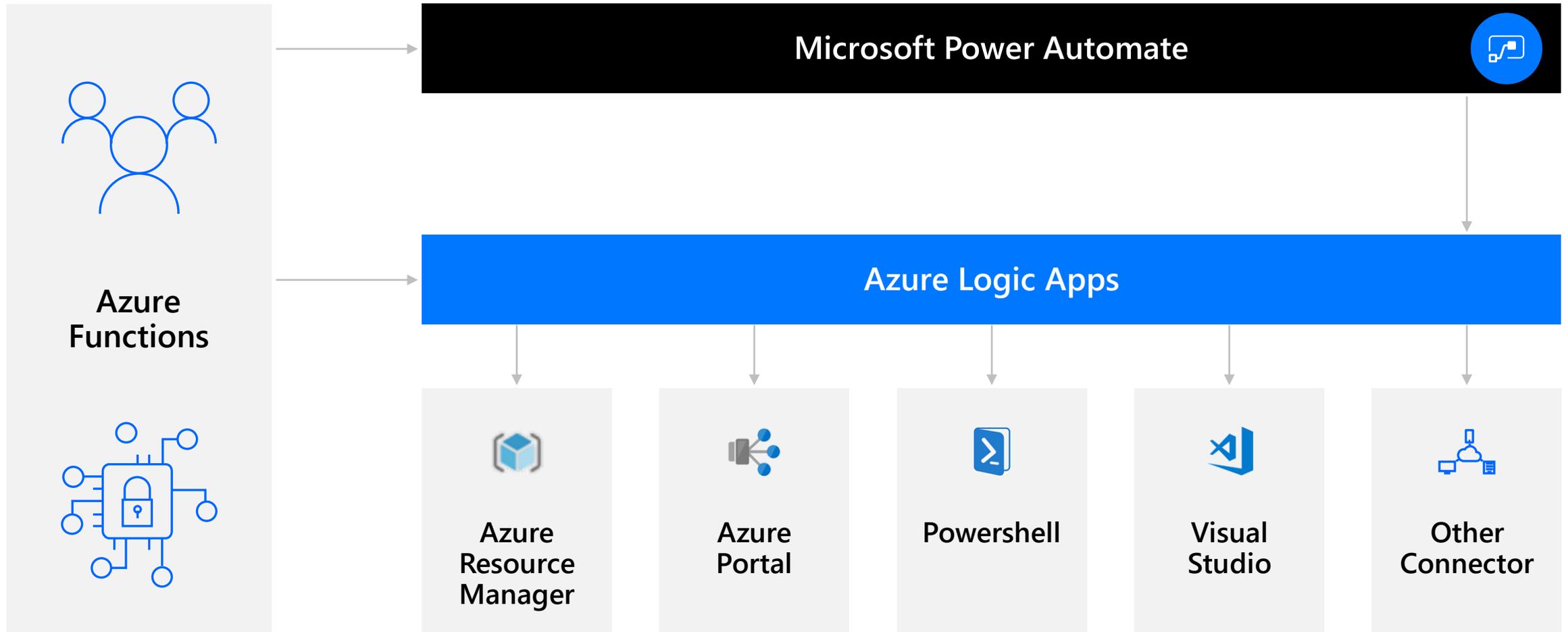
Policy tips
Block sharing
User overrides
Notification emails



Power Automate, Azure Logic Apps, and Azure Functions

An Ecosystem of Unparalleled Capabilities

Power Automate, Logic Apps, Functions





Analysts Agree with our Low-Code Vision and Execution

Total Economic Impact (TEI) of PowerApps and Microsoft Power Automate

In the first year we saved \$500,000 in external developer costs. We expect to see similar savings in future years.

– CLIENT



We used to have three full-time people writing reports. That's now down to only one person.

– CLIENT

We reduced our time to quote from twelve days down to four.

– CLIENT



70%

Less application development cost & effort

362%

Return on investment over 3-year term

<3

Months Payback

