Using Your On-Prem Data in a Cloud World

Daniel Glenn

#SQLSatVictoria

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Agenda

Cloud Benefits

- Power BI
- PowerApps
- Microsoft Flow

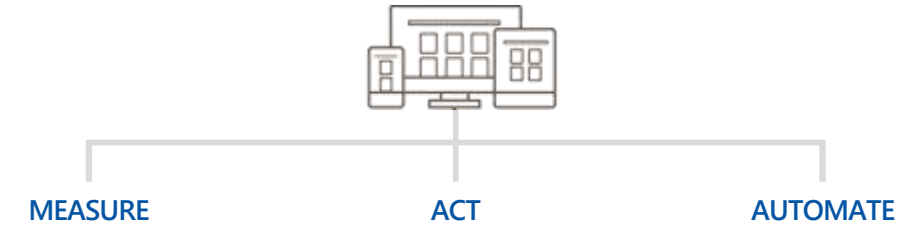
Using Our Data in the Cloud

- Data gateway
- Connect to on-prem: SQL & SharePoint Server

Business Application Platform Innovation

Build modern business apps—fast

Compose analytics, user experiences, and automation using an integrated set of services from Microsoft.

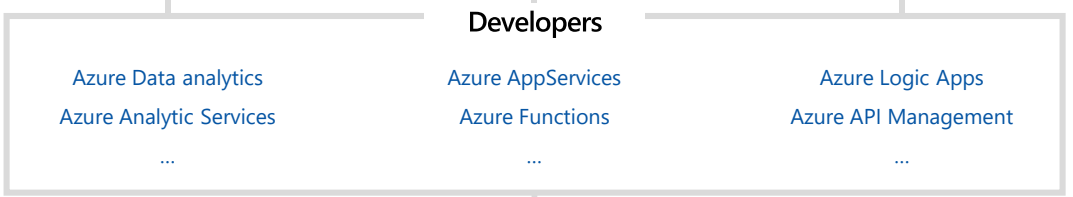


Empower line of business

Help power users who understand their business needs best build solutions quickly without writing code.

Enable developers to extend

Leverage Azure platform services to provide capabilities and components for power users.



Connect to data across apps and platforms

Get more value from your data, whether you use the Common Data Service or integrate your app with existing systems and services.

Experience Your Insight – any data, any way, anywhere

Microsoft Flow helps you **work smarter** by automating workflow across your apps and services

Get notifications

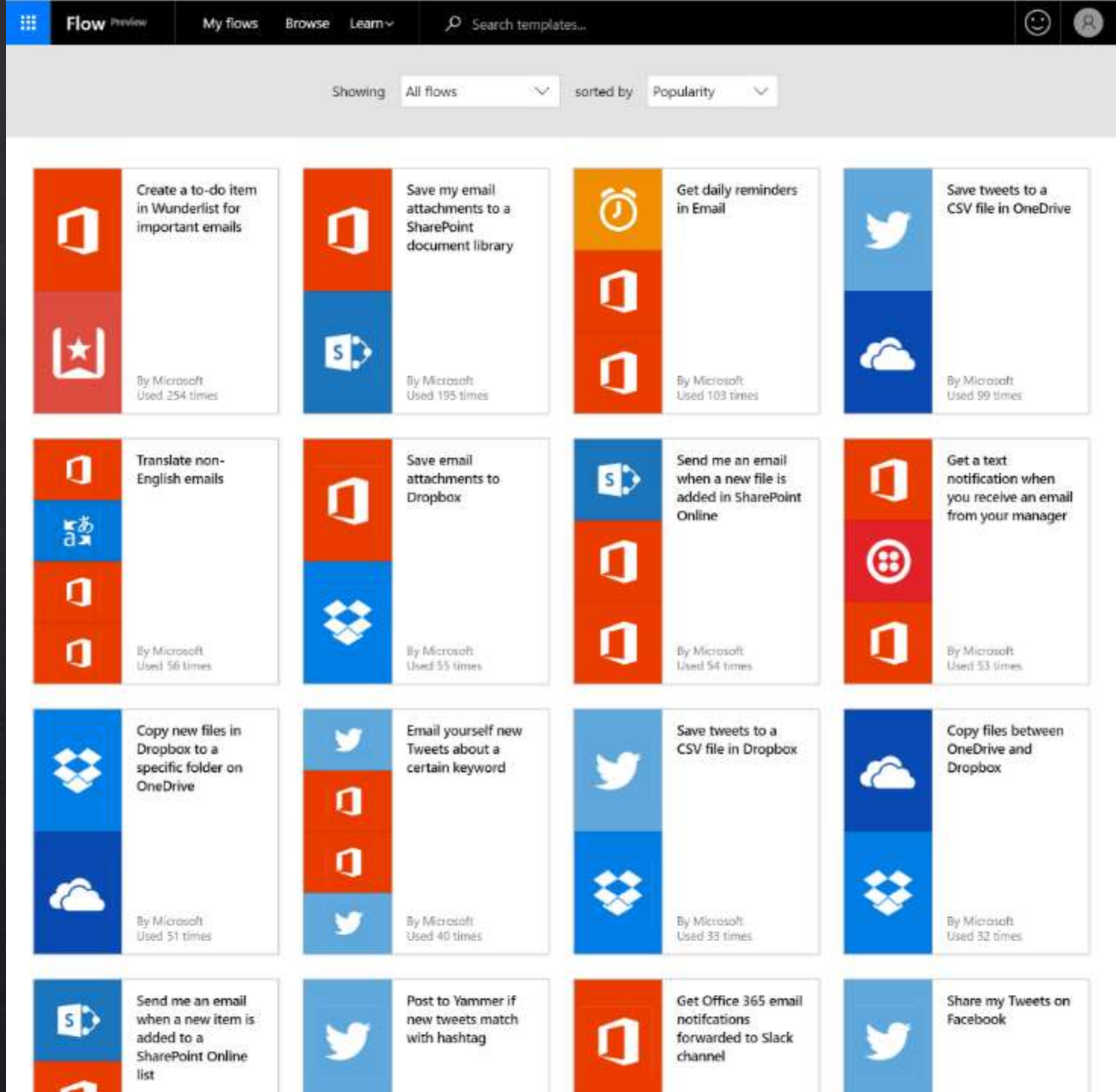
Synchronize files

Collect data

Automate approvals

Integrate the systems you're already using… even custom APIs.

Get started quickly with hundreds of useful templates

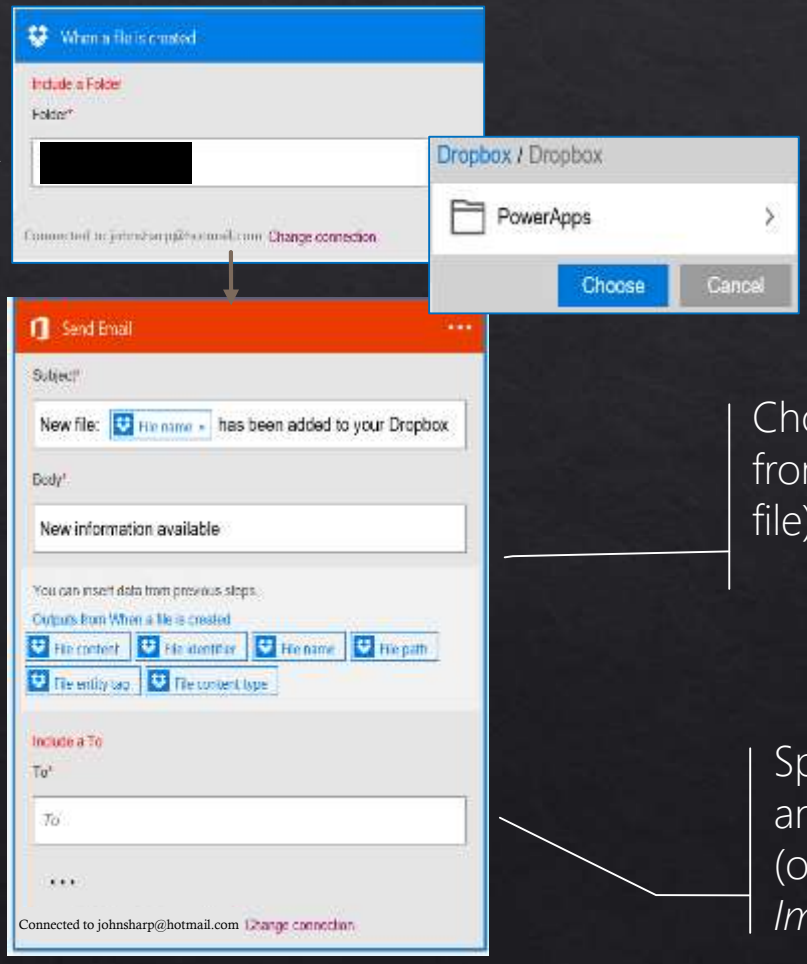


Build your own flows in an easy to use visual designer

Sending an Exchange email when a new file is added in Dropbox

Authenticate to your Dropbox account.

Select folder to monitor



Authenticate to your O365 account.

Build email *Subject* and *Body*

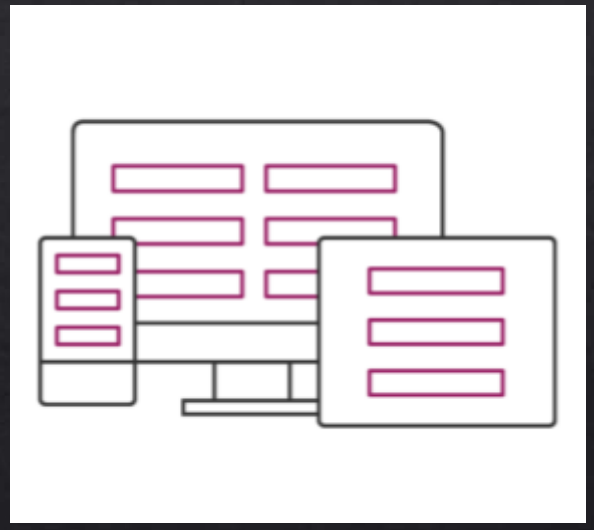
Choose to include properties from previous step (Dropbox file) to improve relevance

Specify *Send To* email address and additional properties (optional): *From*, *CC*, *BCC* and *Importance*

Microsoft PowerApps is a service for creating and using custom business apps across platforms

Connect to data & systems you're already using; create the data you need

Create apps, forms, and workflows without writing code

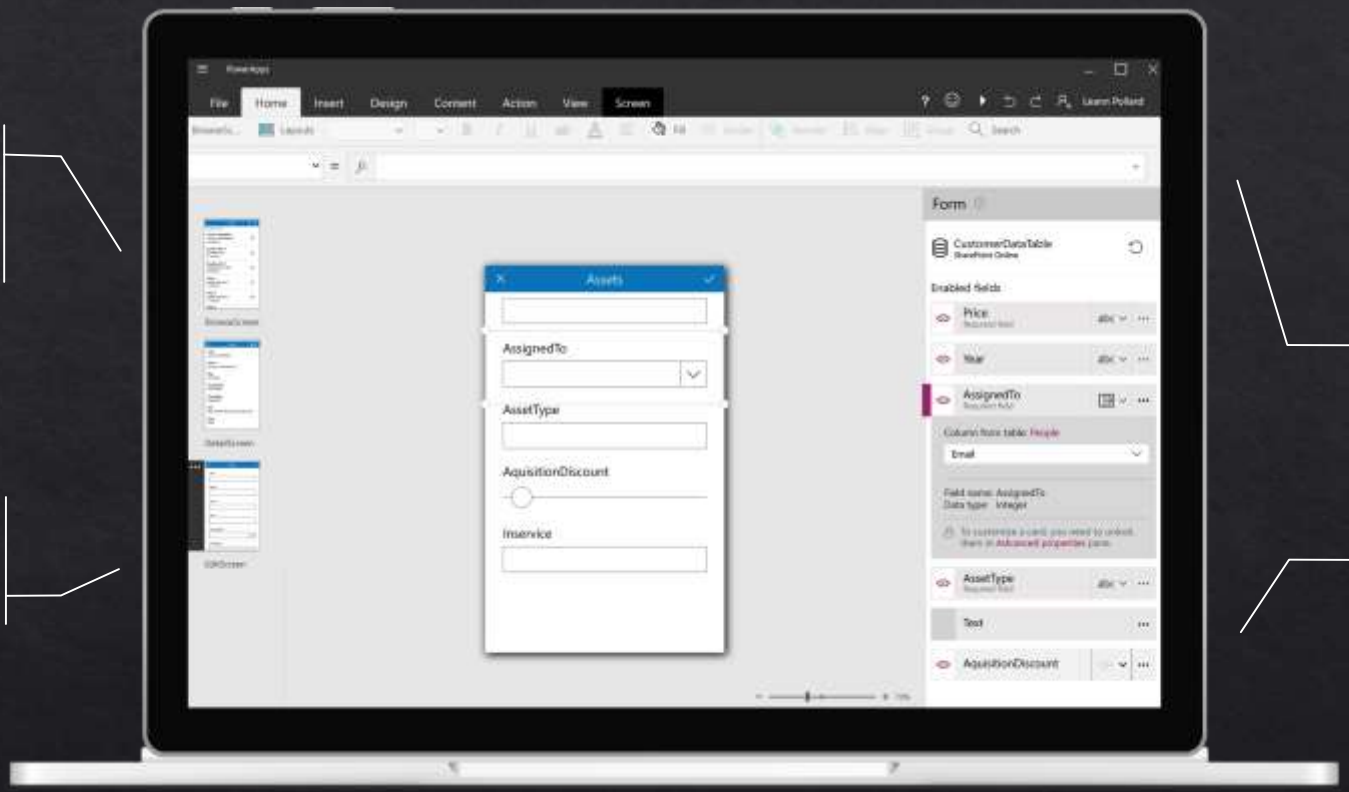


Use apps on web and mobile

Build useful apps without writing code

Craft forms and screens in a visual designer that helps you see exactly what you'll get

Take advantage of device capabilities like cameras, GPS, and pen controls



Build business logic into your apps with an Excel-inspired expression language

Extend the capabilities of connected data sources, or focus just on the bits you need

https://powerapps.microsoft.com/en-us/tutorials/formula-reference/

Connect to the systems you're already using

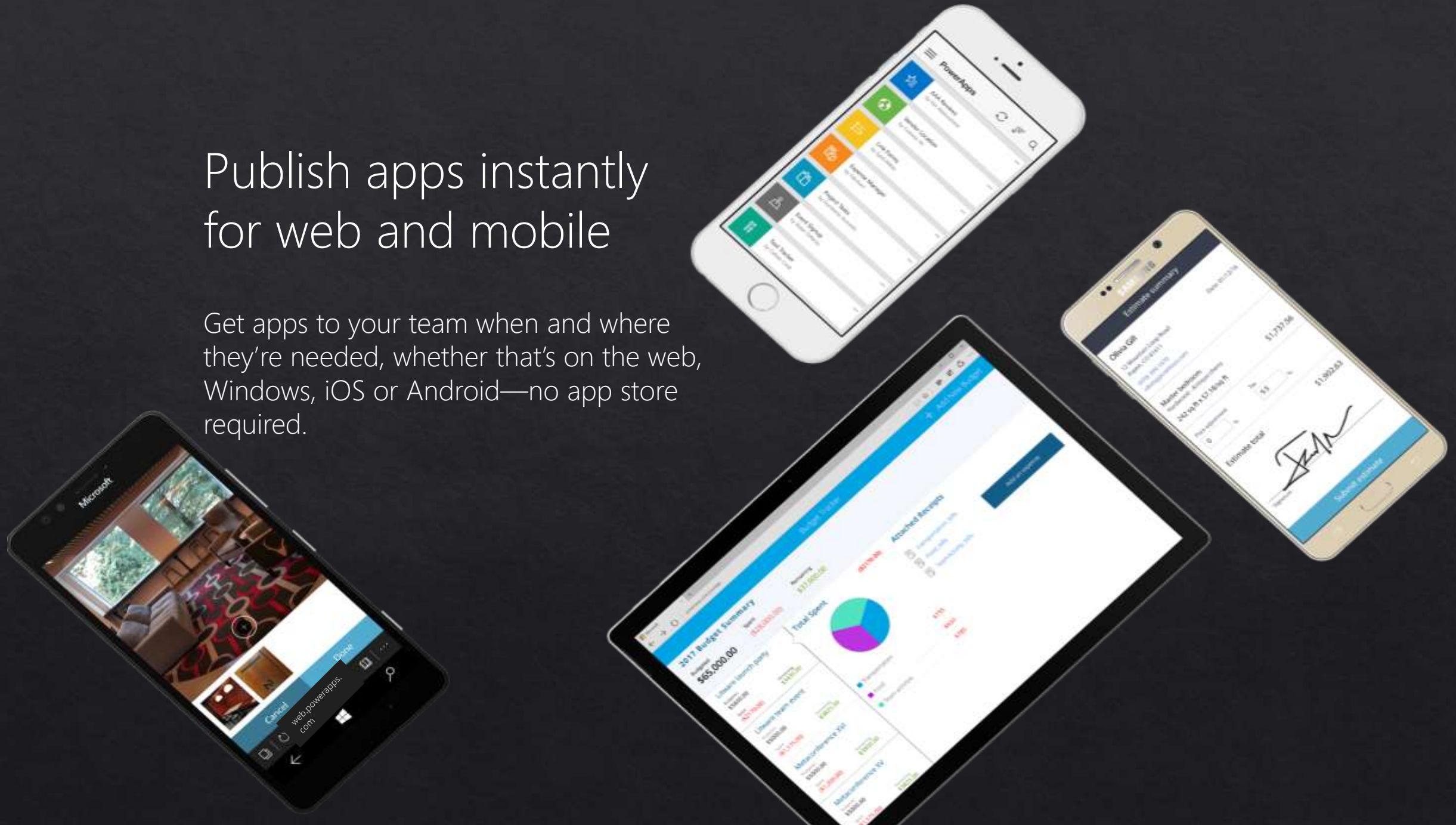
Quickly generate and customize apps based on Excel files, SQL, SharePoint Online lists, Salesforce records and more. You can even connect using custom APIs.

Even connecting to data in your on-premises systems through a common Data Gateway.

Your apps will be able to fully interact with underlying sources and will respect the permissions you've already established in them.

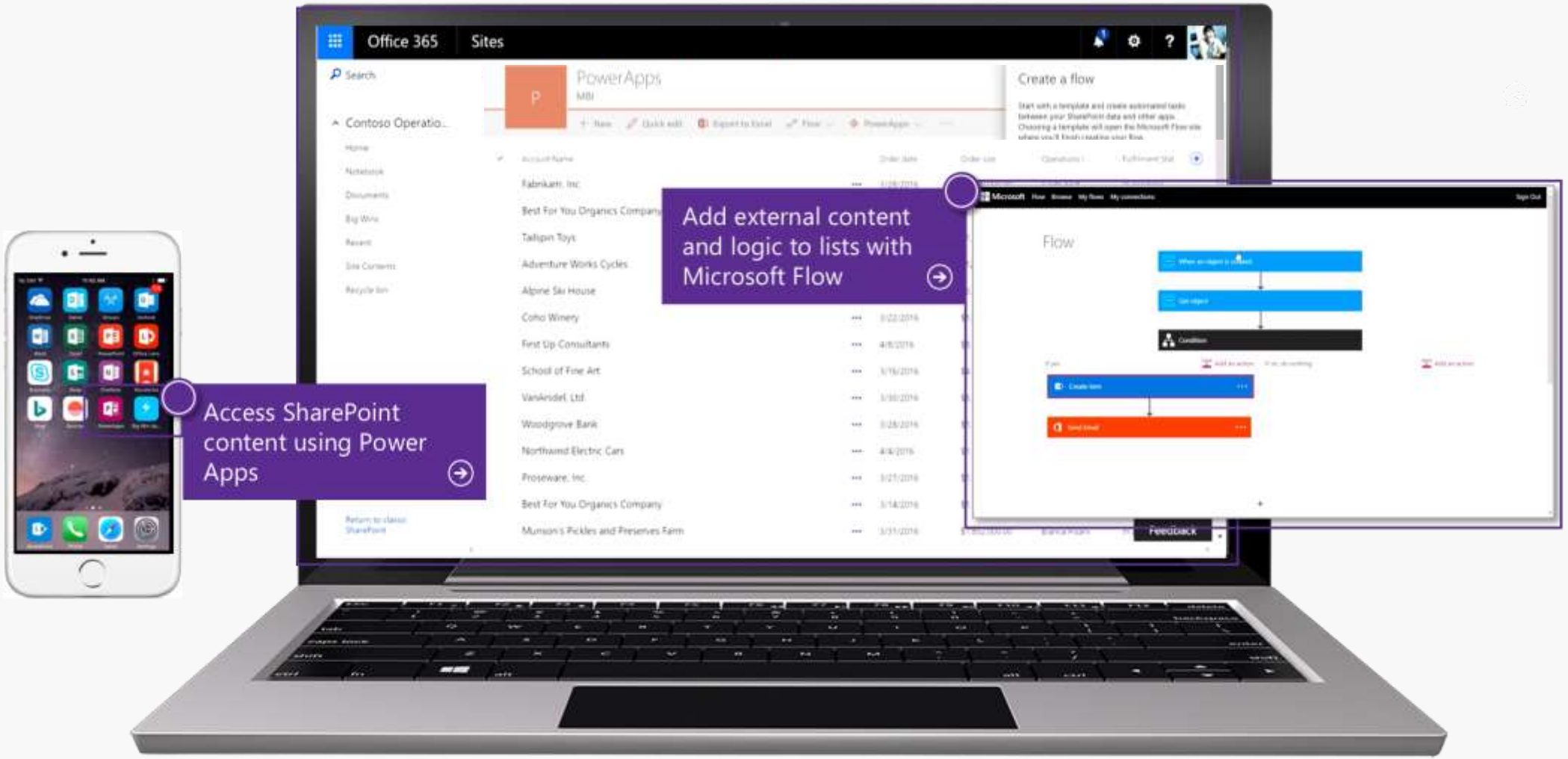
Publish apps instantly for web and mobile

Get apps to your team when and where they're needed, whether that's on the web, Windows, iOS or Android—no app store required.



Office 365 automation

SharePoint Modern List integration with PowerApps and Microsoft Flow

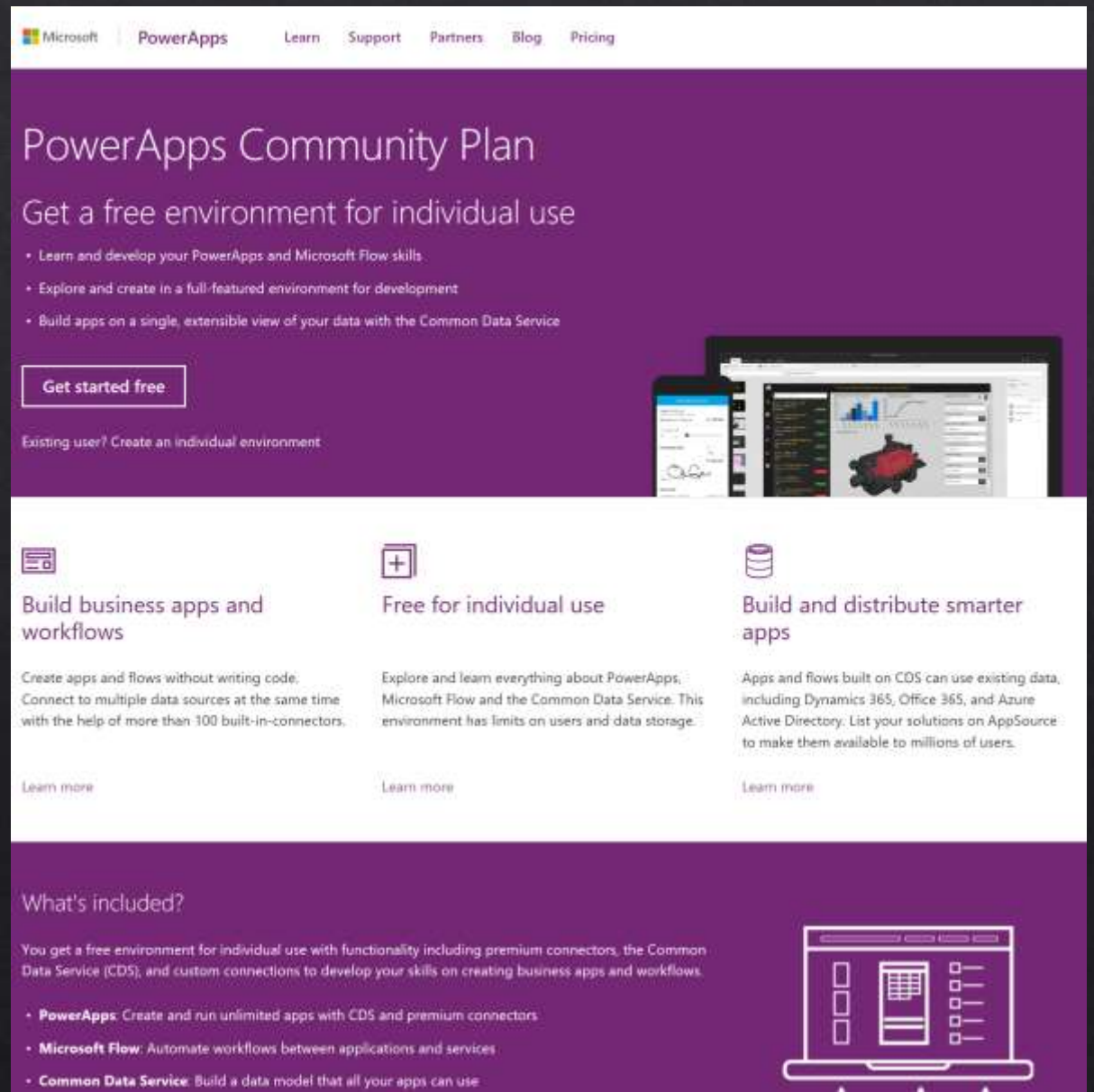


PowerApps Community Plan

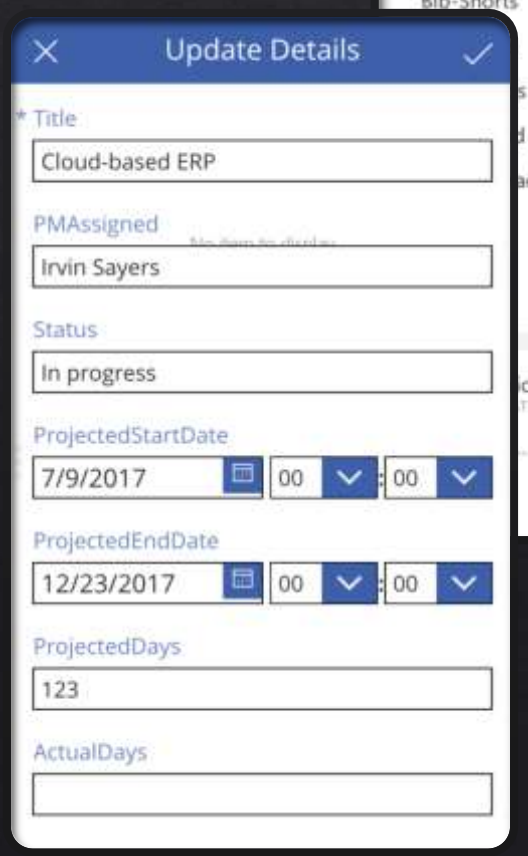
- Learn to build business apps and workflows with the full functionality of PowerApps, Microsoft Flow, and the Common Data Service.

- Connect to any data source using either the available 100+ out of the box connectors or by creating your own custom APIs.

powerapps.microsoft.com/communityplan



Mobile apps


Update Details
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Status
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Bike Sales
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YTD Revenue
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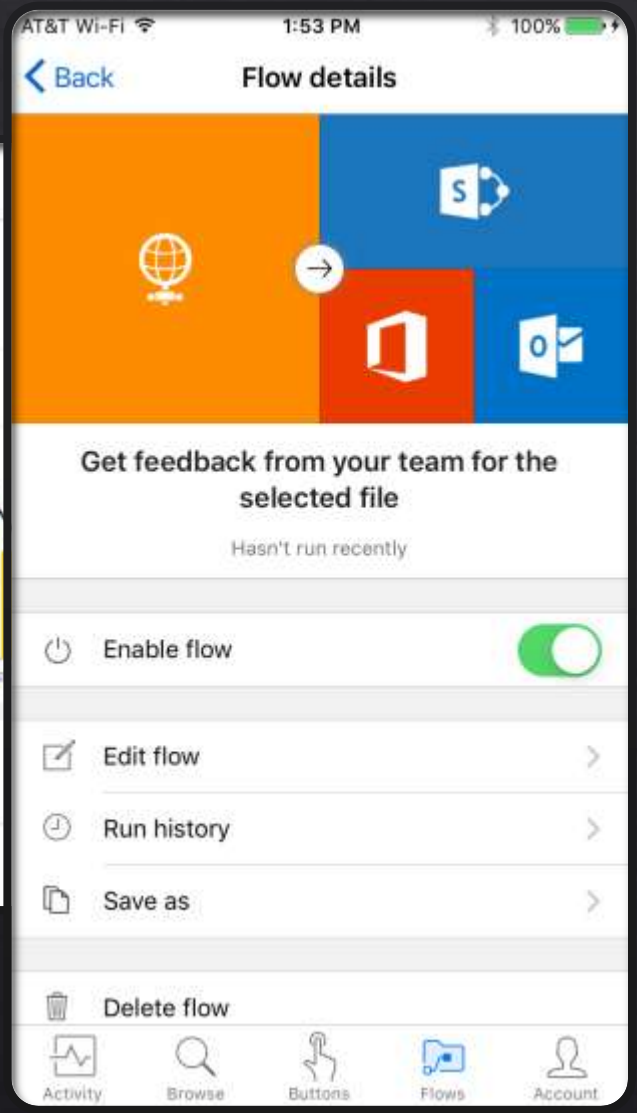
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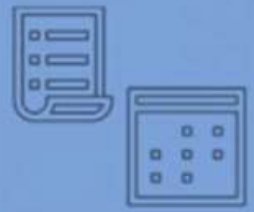
Flow details
Get feedback from your team for the selected file
Hasn't run recently
Enable flow
Edit flow
Run history
Save as
Delete flow
Activity
Browse
Buttons
Flows
Account

And Another Thing…

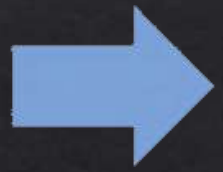
InfoPath/ SharePoint Designer

No new versions, supported through 2026



Access Web Apps

Shutdown in SPO April 2018

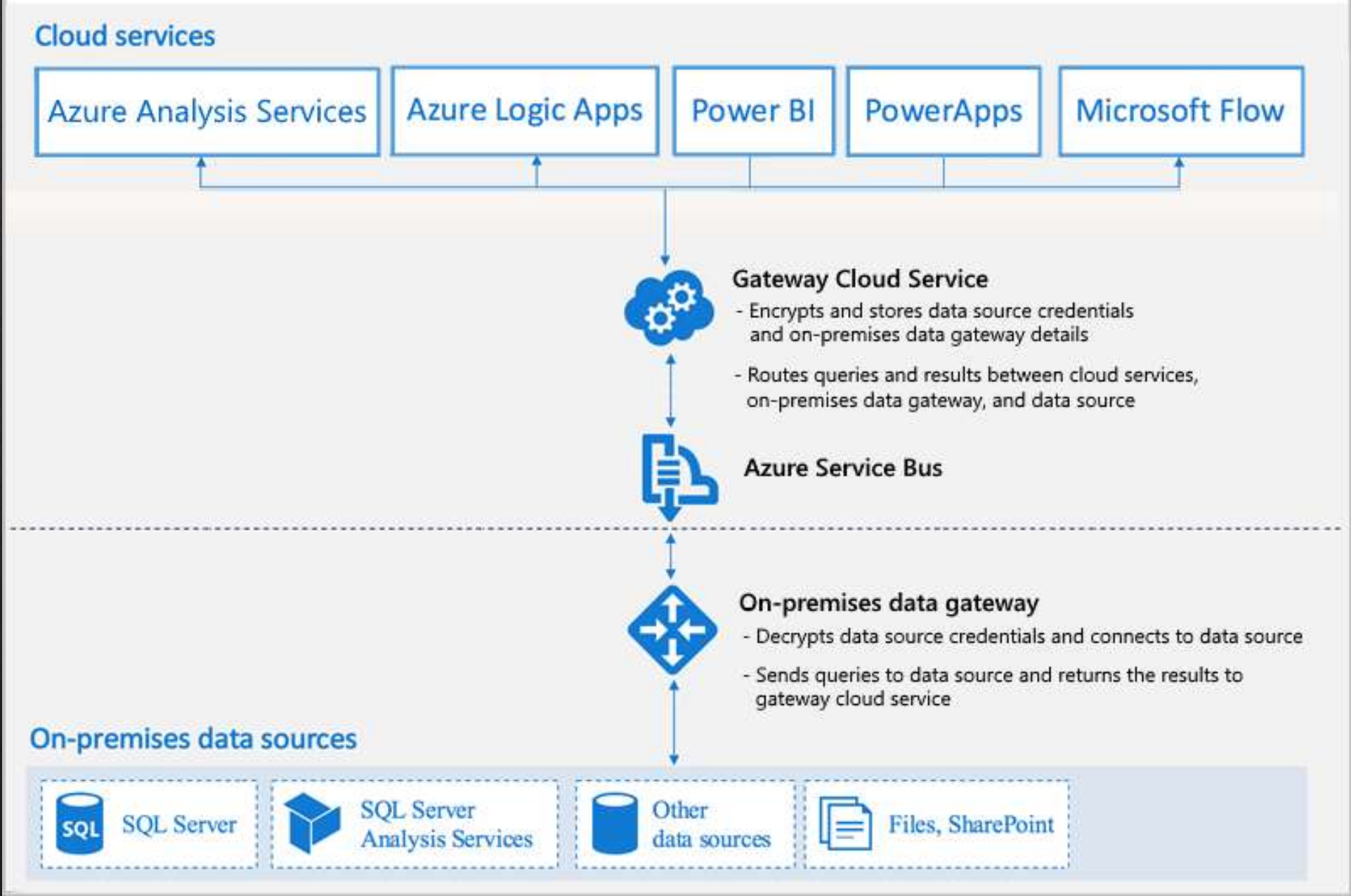


PowerApps/Flow

Successors to InfoPath, Access Web Apps, and SharePoint Designer workflows

On-premises data gateway

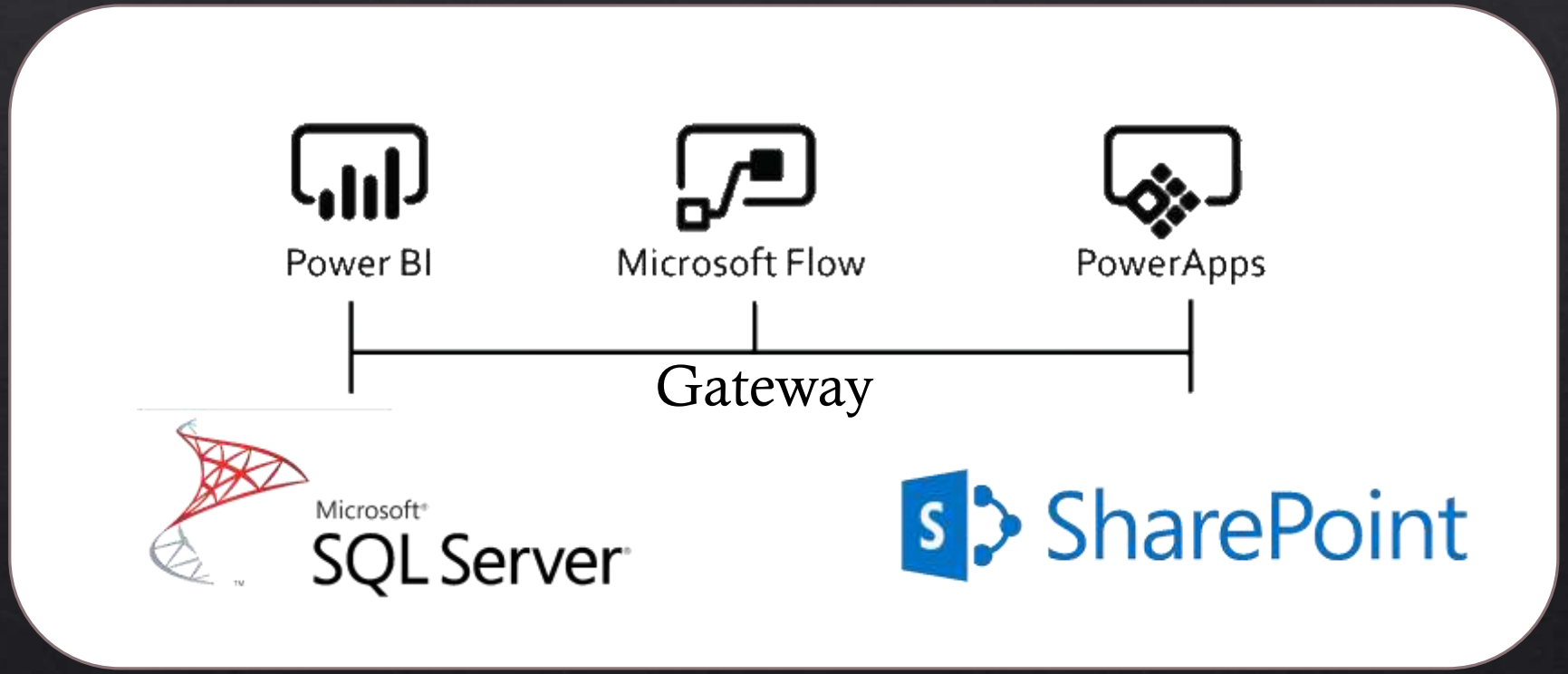
One gateway for multiple cloud services and experiences



Gateway Configuration Steps

Install Demo

Let's put it to work



Questions?

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