Using Your On-Prem Data in a Cloud World

Daniel Glenn
#SQLSatATLBI September 22, 2018



Daniel Glenn

Working @ InfoWorksTN.com

Co-host weekly show @ MessageCenter.Show





@DanielGlenn



DanielGlenn.com



youtube.com/c/regarding365



facebook.com/regarding365



Live Show every Monday!

Recordings and get updates: http://MessageCenter.Show

Who is InfoWorks?



Who is InfoWorks?

- Agile solution provider in the Mid-South region
- ♦ Focused on helping our client partners achieve great things



- ♦ 100% Employee Owned
- Diverse expertise to deliver sustainable solutions
- ♦ Voted a Best Place to Work nine times

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

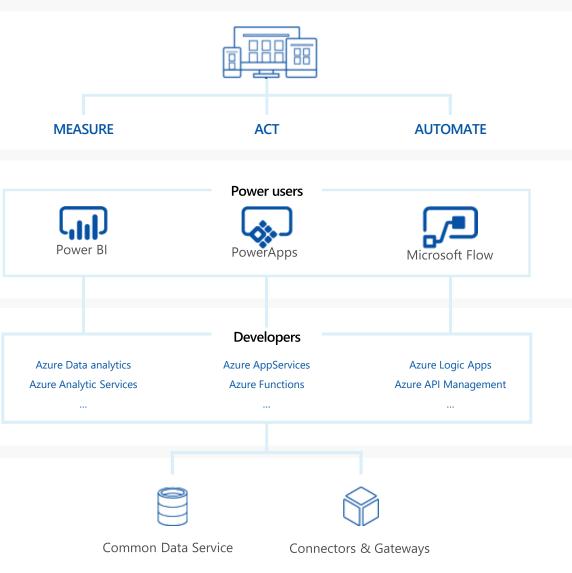
Help power users who understand their business needs best build solutions quickly without writing code.

Enable developers to extend

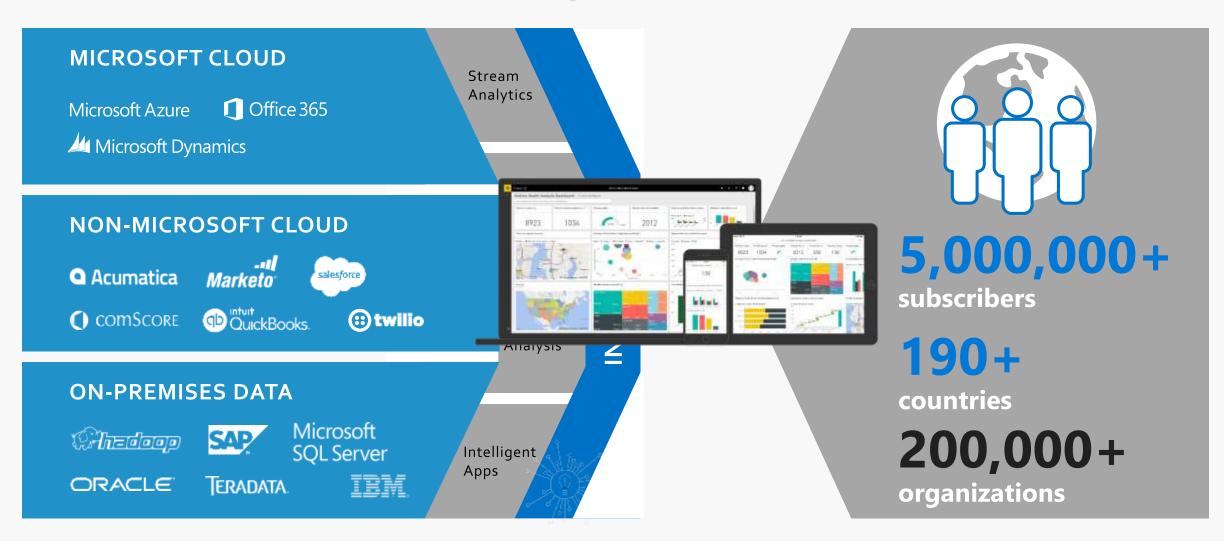
Leverage Azure platform services to provide capabilities and components for power users.

Connect to data across apps and platforms

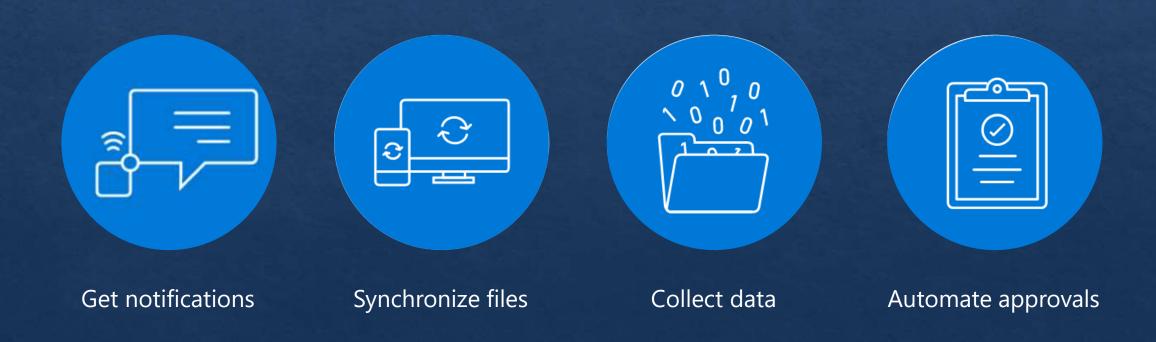
Get more value from your data, whether you use the Common Data Service or integrate your app with existing systems and services.



Experience Your Insight – any data, any way, anywhere



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



















































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

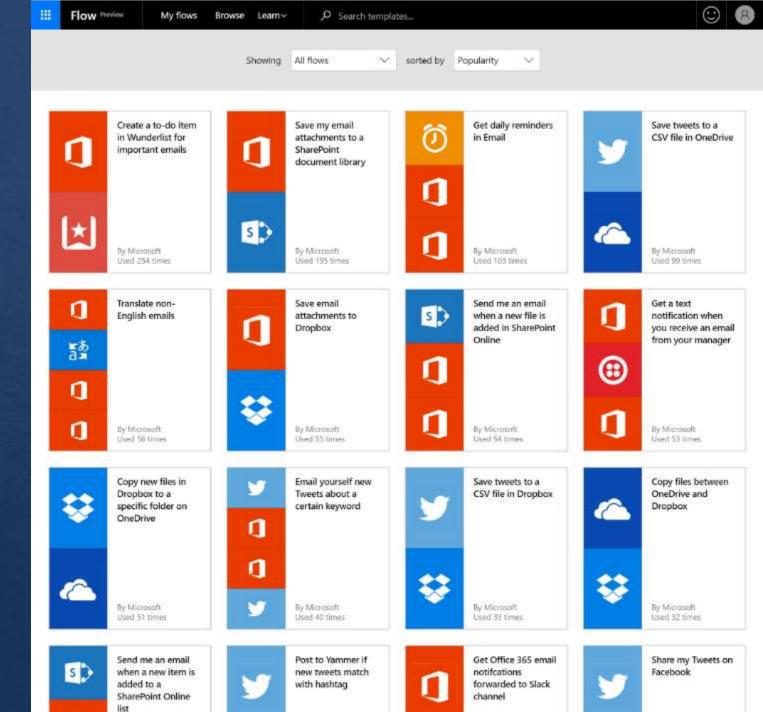








Get started quickly with hundreds of useful templates



Build your own flows in an easy to use visual designer

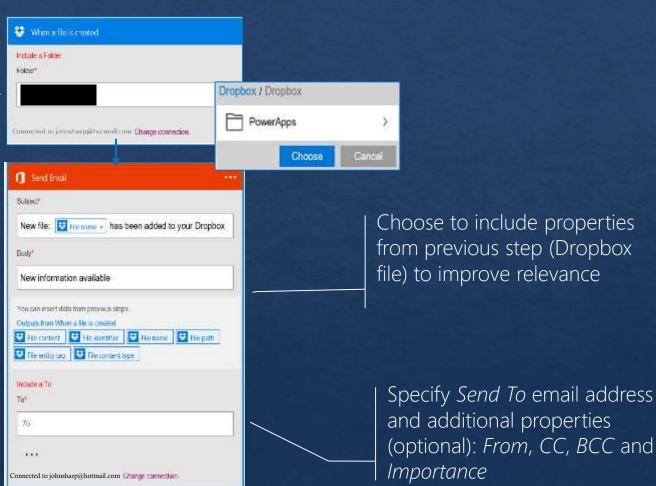
Sending an Exchange email when a new file is added in Dropbox

Authenticate to your Dropbox account.

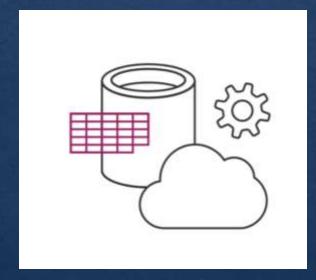
Select folder to monitor

Authenticate to your O365 account.

Build email Subject and Body



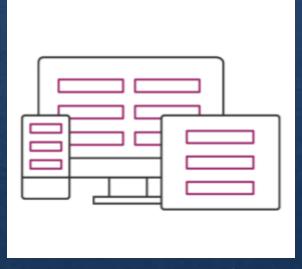
Microsoft PowerApps is a service for creating and using custom business apps across platforms



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

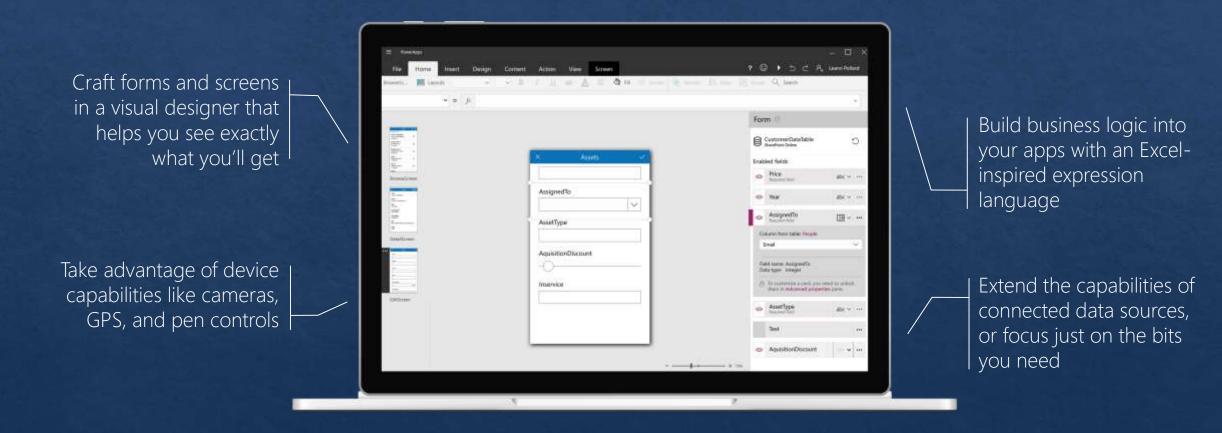


Create apps, forms, and workflows without writing code



<u>Use</u> apps on web and mobile

Build useful apps without writing code



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





















































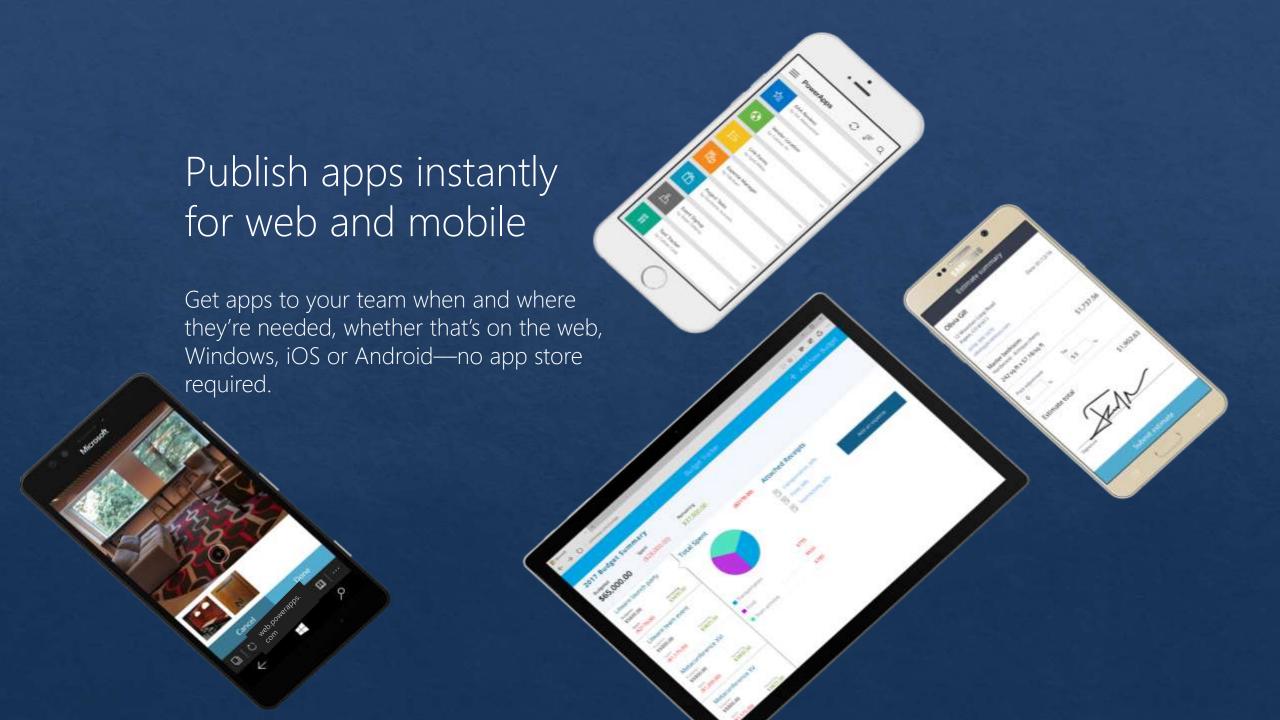


Connect to the systems you're already using

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

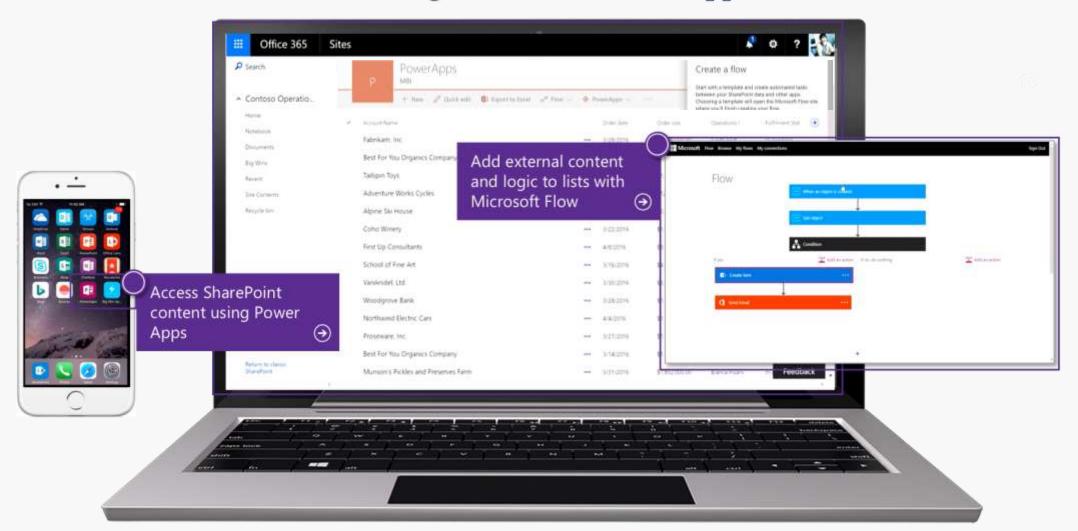
Even connecting to data in your on-premises systems through a common Data Gateway.

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



Office 365 automation

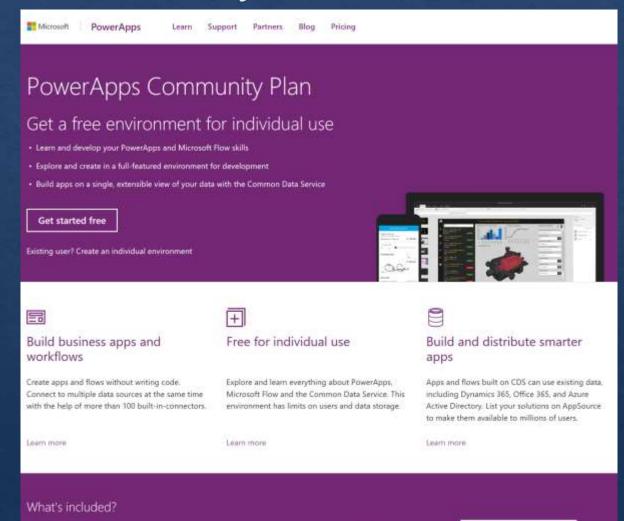
SharePoint Modern List integration with PowerApps and Microsoft Flow



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



You get a free environment for individual use with functionality including premium connectors, the Common Data Service (CDS), and custom connections to develop your skills on creating business apps and workflows.

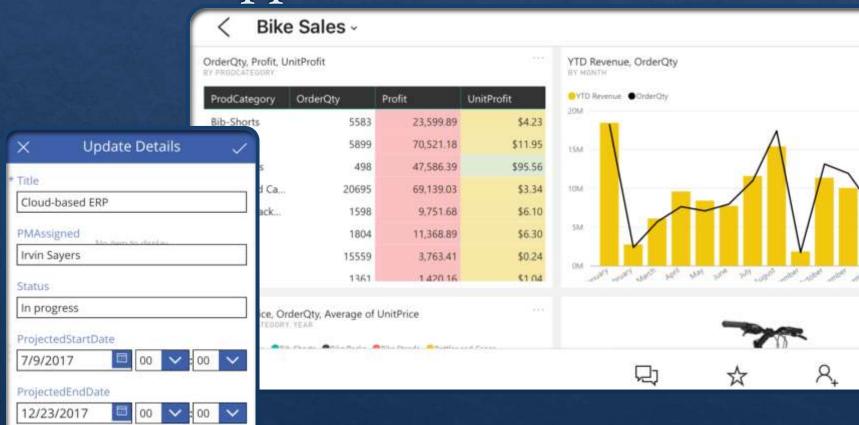
PowerApps: Create and run unlimited apps with CDS and premium connectors
 Microsoft Flow: Automate workflows between applications and services
 Common Data Service: Build a data model that all your apps can use

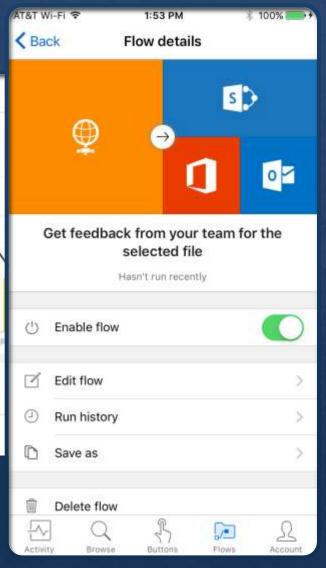
Mobile apps

ProjectedDays

ActualDays

123





And Another Thing...



InfoPath/ SharePoint Designer

No new versions, supported through 2026



Access Web
Apps

Shutdown in SPO April 2018





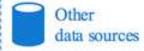
PowerApps/Flow

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

On-premises data gateway One gateway for multiple cloud services and experiences Cloud services **Azure Logic Apps** Azure Analysis Services **PowerApps** Microsoft Flow Power BI **Gateway Cloud Service** - Encrypts and stores data source credentials and on-premises data gateway details - Routes queries and results between cloud services, on-premises data gateway, and data source **Azure Service Bus** On-premises data gateway - Decrypts data source credentials and connects to data source - Sends queries to data source and returns the results to gateway cloud service On-premises data sources









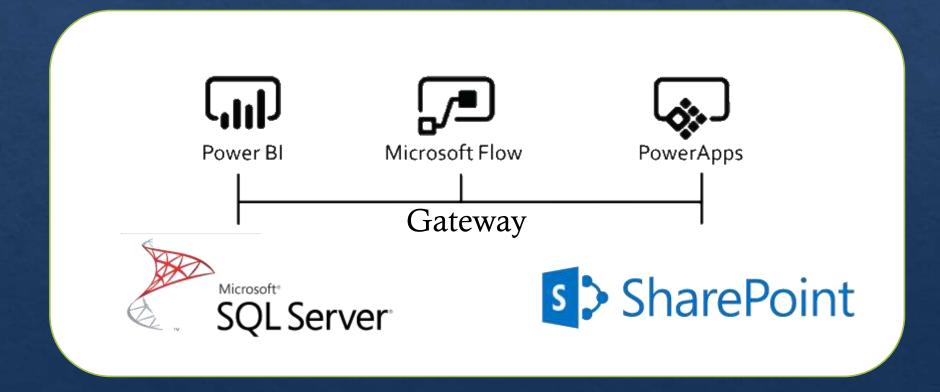
Files, SharePoint

Gateway Configuration Steps



Install Demo

Let's put it to work





Daniel Glenn

Working @ InfoWorksTN.com

Co-host weekly show @ MessageCenter.Show





@DanielGlenn



DanielGlenn.com



youtube.com/c/regarding365



facebook.com/regarding365