

Use Your On-premises Data with PowerApps, Power BI, and Microsoft Flow

Daniel Glenn

#o365NYC #SPSNYC



DANIELGLENN.COM/HELLO

Daniel Glenn

Working @ InfoWorksTN.com

Co-host @ MessageCenter.Show



@DanielGlenn



DanielGlenn.com



/regarding365



/regarding365



Live Show
every Monday!

Recordings and get updates:
<https://MessageCenter.Show>

Agenda

Cloud Benefits

- Power BI
- PowerApps
- Microsoft Flow

Using Our Data in the Cloud

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

Who is InfoWorks?

Who we are

Our Clients

Our Firm

Microsoft Partner

About You

Power user /
IT Pro /
Developer /
Decision Maker

Using SharePoint?

Experience Your Insight – any data, any way, anywhere

Microsoft Cloud
5,000,000+ users

Microsoft Data
190+ countries

Microsoft AI
200,000+ organizations

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

Get notifications

Synchronize files

Collect data

Automate approvals

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

Mobile apps

Data Gateway

Questions?

Who is InfoWorks?



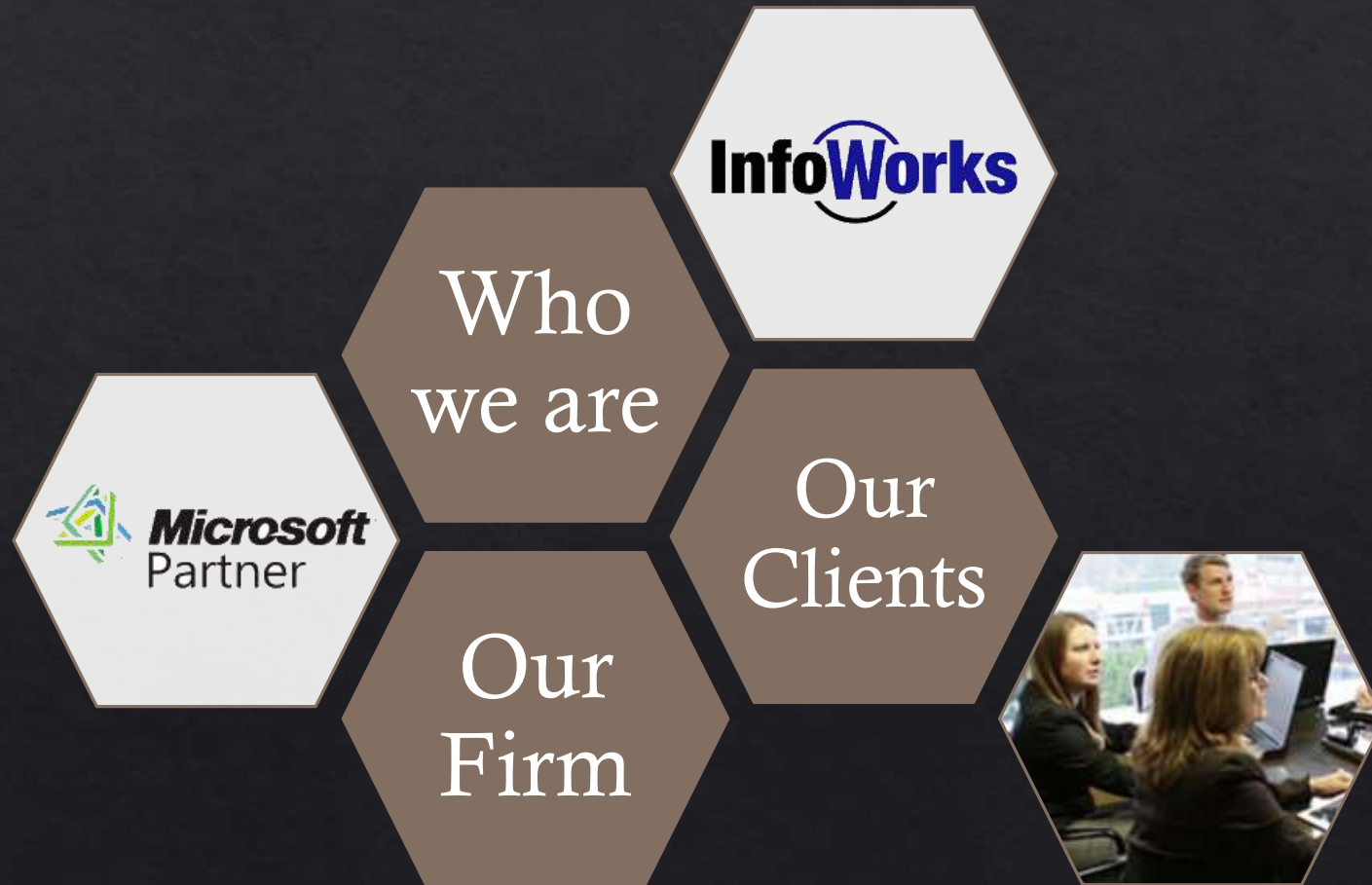
Who is InfoWorks?

- ◆ 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



Who
we are

Who is InfoWorks?



Who is InfoWorks?

- ◆ We work with companies of all shapes and sizes
 - ◆ Fortune 500 companies
 - ◆ Small and medium size organizations
 - ◆ Non profit organizations

- ◆ We work with a diverse set of industries
 - ◆ Financial Services
 - ◆ Healthcare
 - ◆ Government
 - ◆ Higher Education
 - ◆ Manufacturing



Our
Clients

About You

Power user /

IT Pro /

Developer /
Decision Maker

Using SharePoint?



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

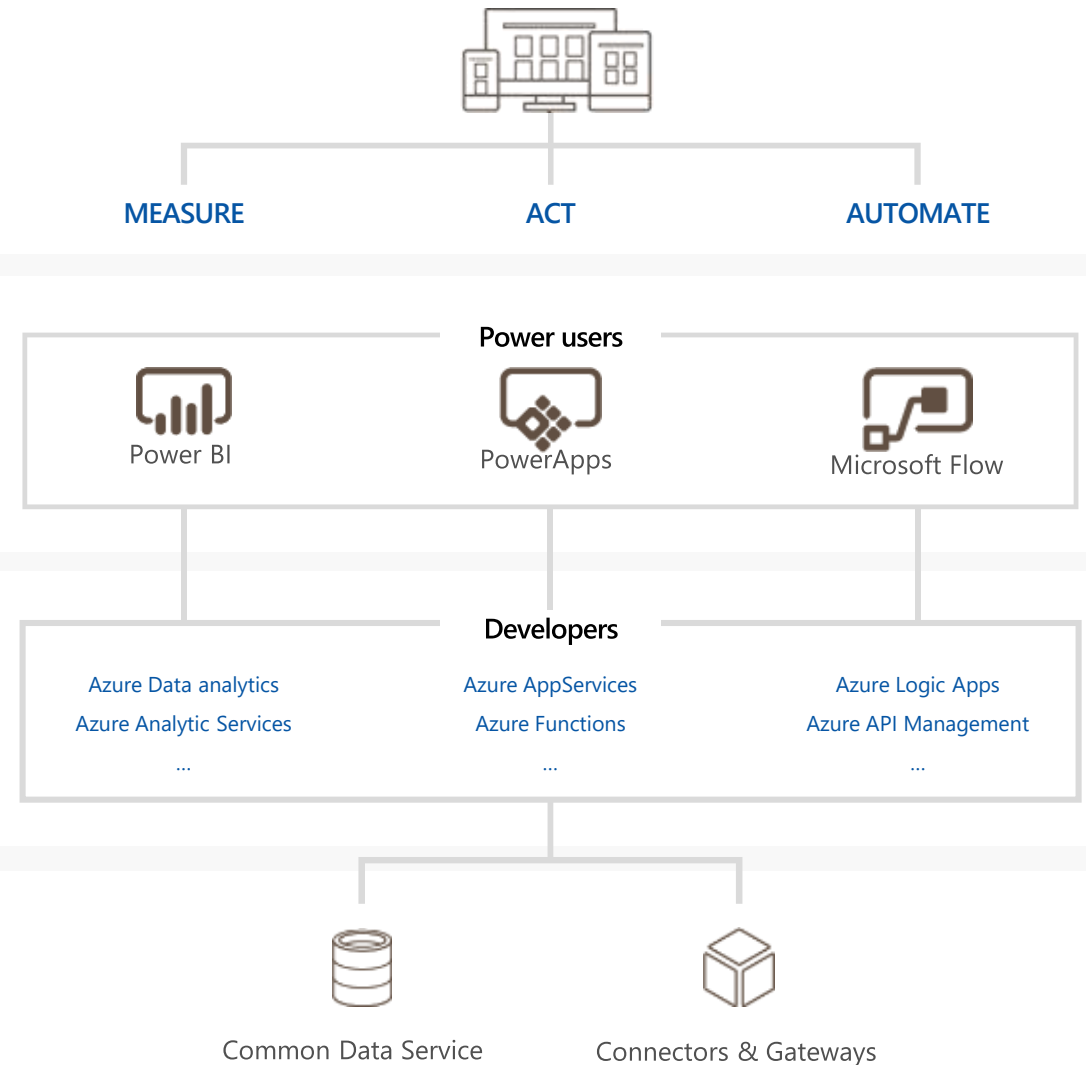
Help power users who understand their business needs best build solutions quickly without writing code.

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 CLOUD

Microsoft Azure Office 365
Microsoft Dynamics

Stream
Analytics

NON-MICROSOFT CLOUD

Acumatica Marketo salesforce
COMSCORE Intuit QuickBooks twilio

ON-PREMISES DATA

Hadoop SAP Microsoft SQL Server
ORACLE TERADATA IBM

Intelligent
Apps



5,000,000+
subscribers

190+
countries

200,000+
organizations

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

The screenshot shows the Microsoft Flow templates gallery. At the top, there is a navigation bar with the 'Flow' logo, 'Preview' button, and tabs for 'My flows', 'Browse', and 'Learn'. A search bar on the right contains the text 'Search templates...'. Below the navigation bar, there are filters for 'Showing All flows' and 'sorted by Popularity'. The main area displays a grid of 16 flow templates, each with a title, a description, and usage statistics. The templates are:

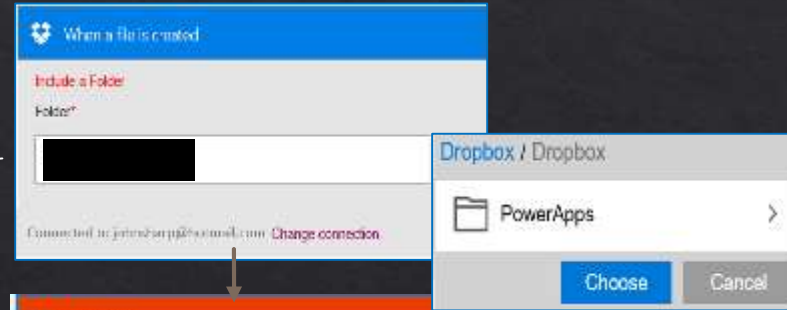
- Create a to-do item in Wunderlist for important emails** (Used 254 times)
- Save my email attachments to a SharePoint document library** (Used 195 times)
- Get daily reminders in Email** (Used 103 times)
- Save tweets to a CSV file in OneDrive** (Used 99 times)
- Translate non-English emails** (Used 56 times)
- Save email attachments to Dropbox** (Used 55 times)
- Send me an email when a new file is added in SharePoint Online** (Used 54 times)
- Get a text notification when you receive an email from your manager** (Used 53 times)
- Copy new files in Dropbox to a specific folder on OneDrive** (Used 51 times)
- Email yourself new Tweets about a certain keyword** (Used 40 times)
- Save tweets to a CSV file in Dropbox** (Used 33 times)
- Copy files between OneDrive and Dropbox** (Used 32 times)
- Send me an email when a new item is added to a SharePoint Online list**
- Post to Yammer if new tweets match with hashtag**
- Get Office 365 email notifications forwarded to Slack channel**
- Share my Tweets on Facebook**

Build your own flows in an easy to use visual designer

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

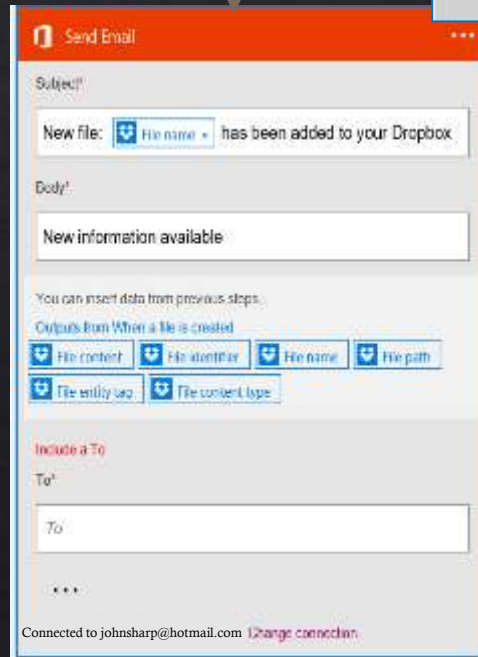
Authenticate to your Dropbox account.

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*

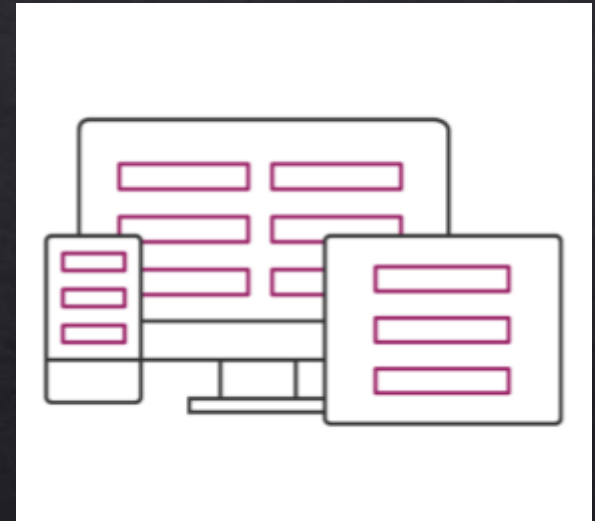
Microsoft PowerApps is a service for creating and using custom business apps across platforms



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



Create apps, forms, and workflows without writing code

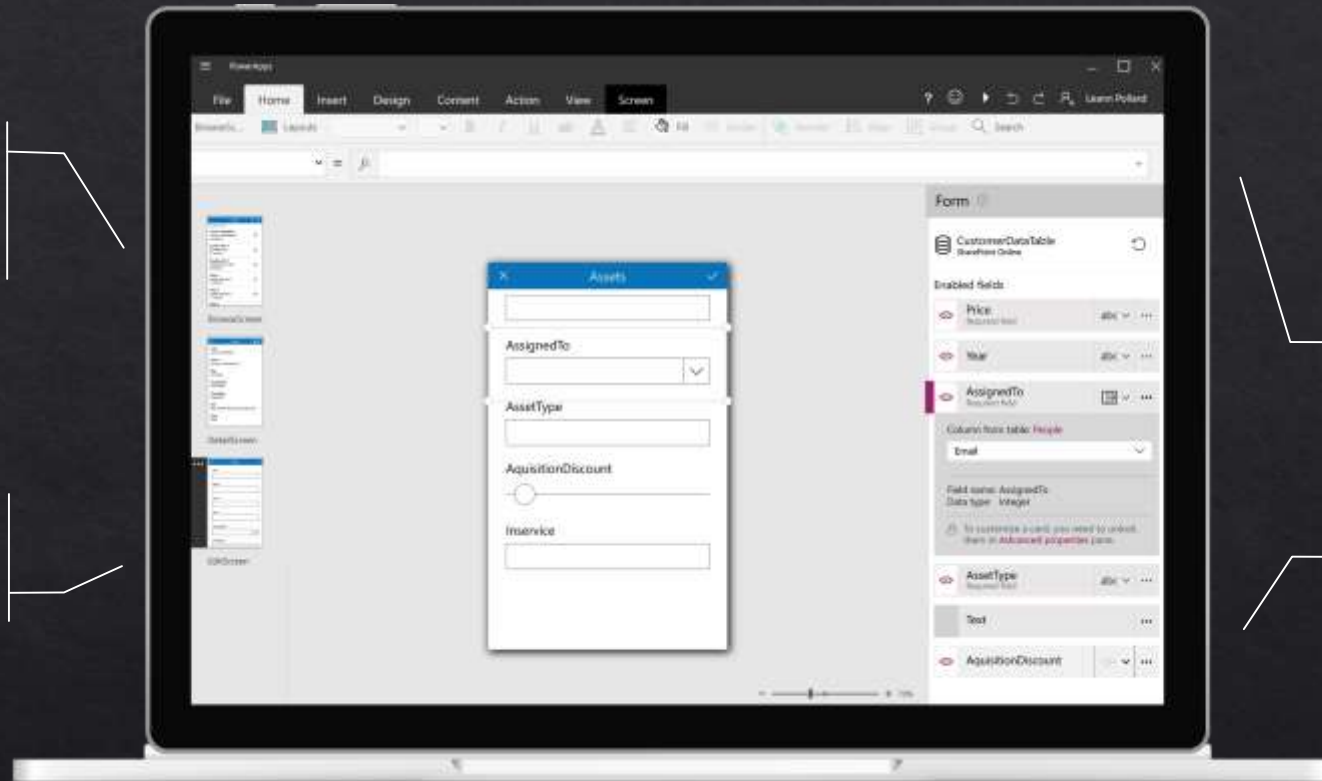


Use apps on web and mobile

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.

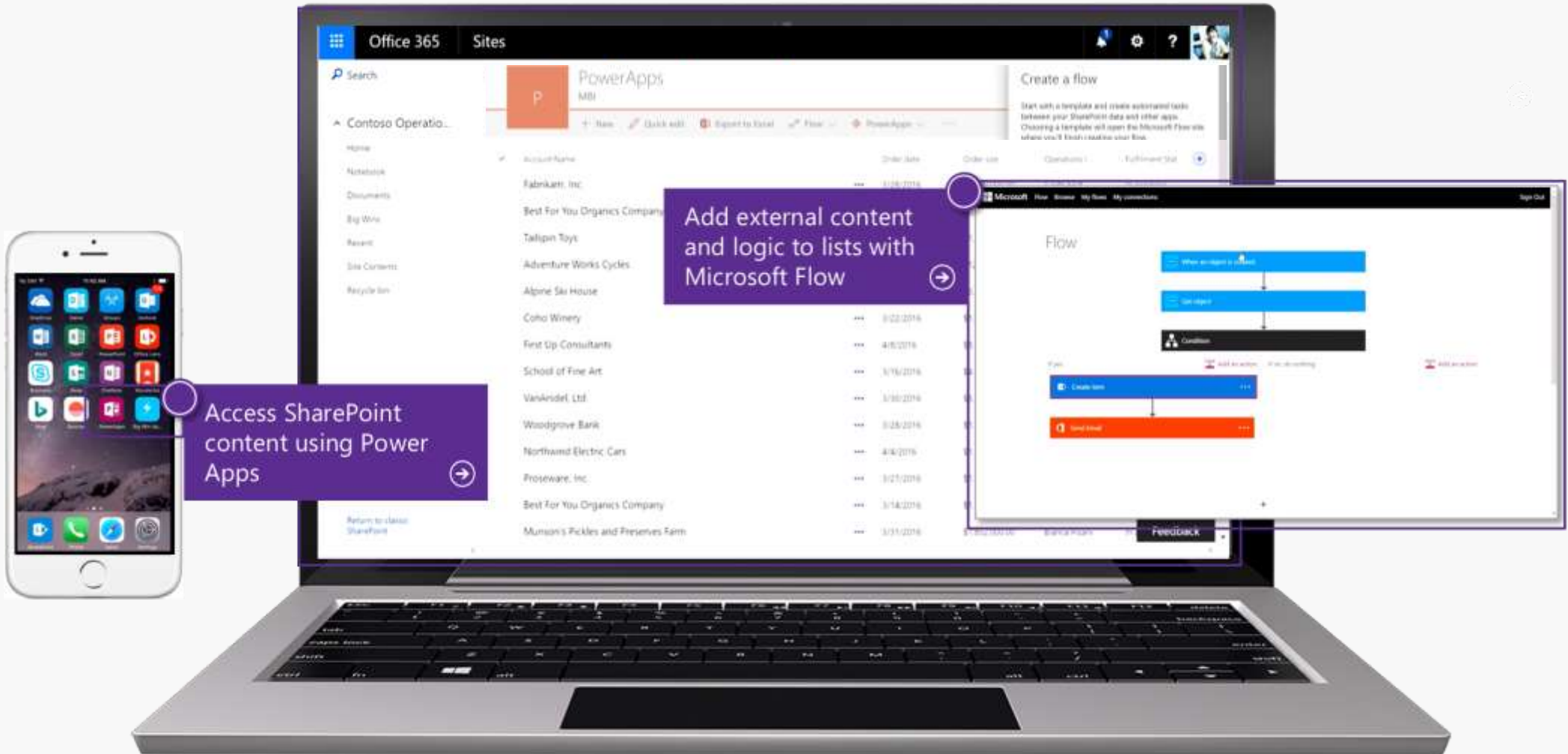
Publish apps instantly for web and mobile

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](https://powerapps.microsoft.com/communityplan)

The screenshot shows the Microsoft PowerApps website for the Community Plan. The header includes the Microsoft logo and navigation links for PowerApps, Learn, Support, Partners, Blog, and Pricing. The main heading is "PowerApps Community Plan" with the sub-heading "Get a free environment for individual use". Below this, there are three bullet points: "Learn and develop your PowerApps and Microsoft Flow skills", "Explore and create in a full-featured environment for development", and "Build apps on a single, extensible view of your data with the Common Data Service". A "Get started free" button is prominently displayed. Below the button, there is a link for "Existing user? Create an individual environment". The page features three columns of benefits: "Build business apps and workflows" (with a plus icon), "Free for individual use" (with a plus icon), and "Build and distribute smarter apps" (with a database icon). Each column includes a brief description and a "Learn more" link. At the bottom, a "What's included?" section lists the features: PowerApps (unlimited apps with CDS and premium connectors), Microsoft Flow (automate workflows), and Common Data Service (build a data model). The page is decorated with images of a smartphone and a laptop displaying data visualizations.

Mobile apps



Update Details

Title
Cloud-based ERP

PMAssigned
Irvin Sayers

Status
In progress

ProjectedStartDate
7/9/2017 00:00

ProjectedEndDate
12/23/2017 00:00

ProjectedDays
123

ActualDays

AT&T Wi-Fi 1:53 PM 100%

Flow details

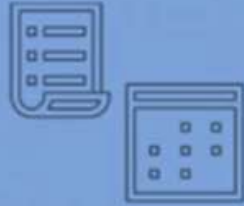
Get feedback from your team for the selected file
Hasn't run recently

Enable flow

- Edit flow
- Run history
- Save as
- Delete flow

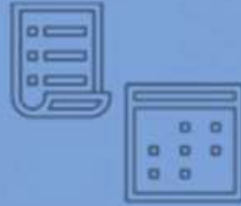
Activity Browse Buttons Flows Account

And Another Thing...



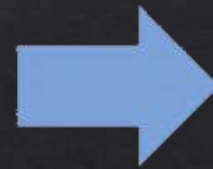
InfoPath/
SharePoint
Designer

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



Data Gateway

What is the Data Gateway



One gateway for
all your cloud
services

Power BI,
PowerApps,
Microsoft Flow,
and Azure Logic
Apps



Secured access to
data

Source, Pathway,
and at rest – all
encrypted



Import data and set up
scheduled refresh

On-premises data gateway

One gateway for multiple cloud services and experiences

Cloud services



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



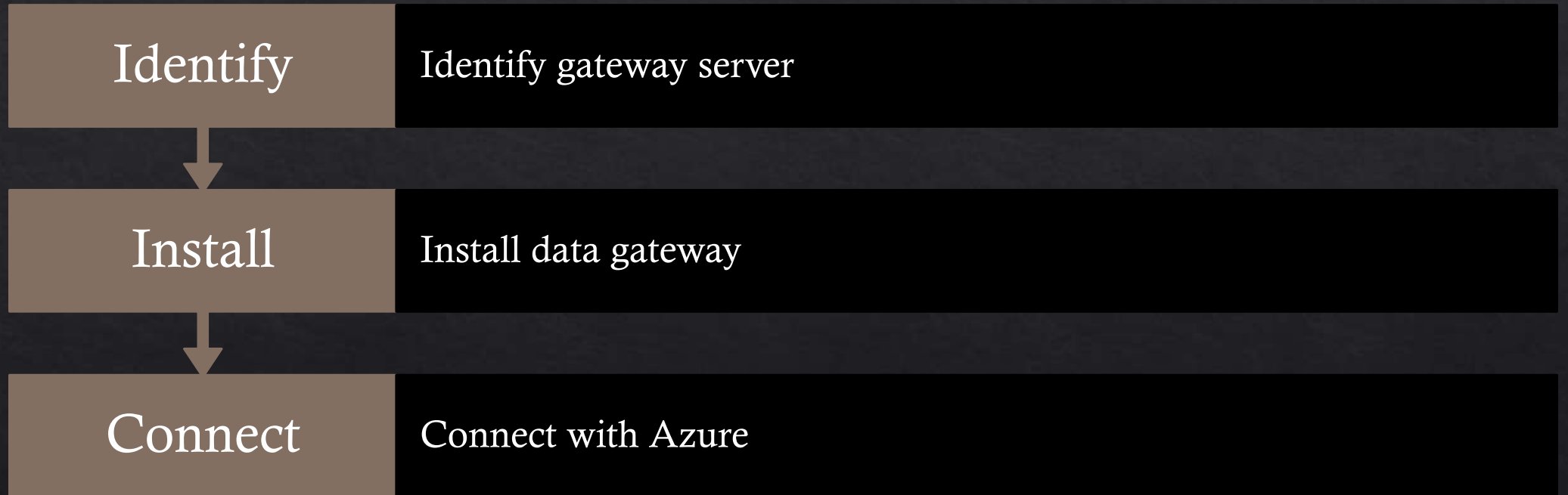
On-premises data gateway

- 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

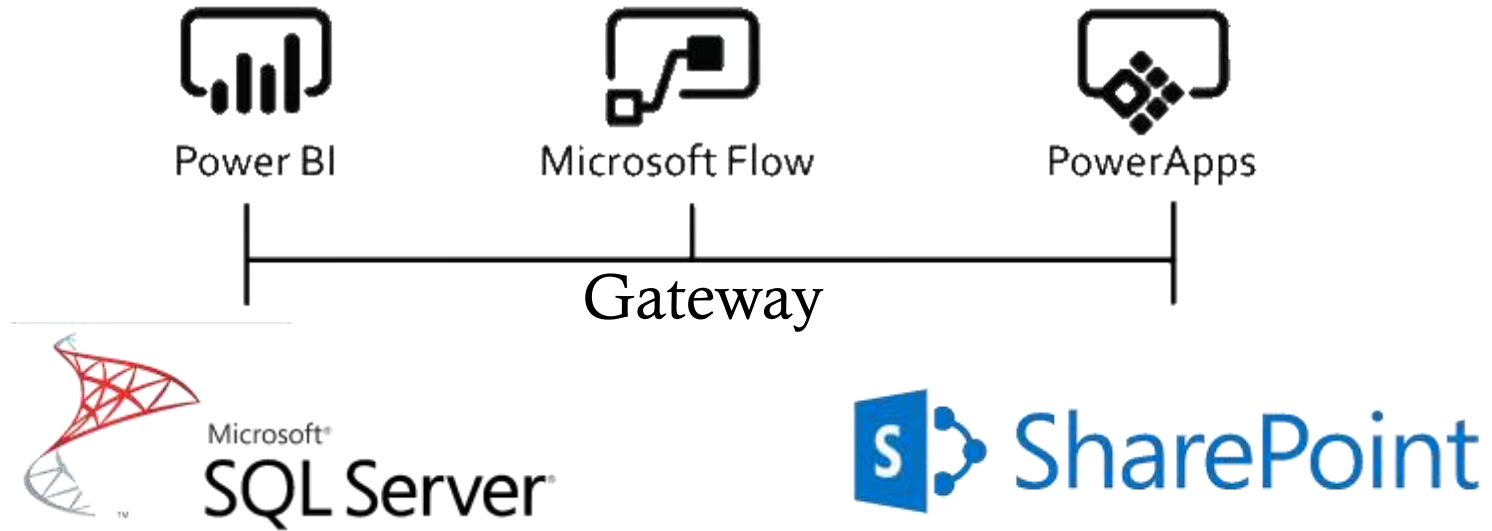


Gateway Configuration Steps



Install Demo

Let's put it to work



Questions?

TechCommunity. Microsoft.com

ome >

Communities

All (86)

Products & Se

Filter c

Access

2 Spaces

15.9K Members

Your community for best practices and the latest news on Access

Join

AI Platform

2 Spaces

1,194 Members

Your community for best practices and the latest news on AI Platform.

Join

Azure

24 Spaces

86.1K Members

Your community for best practices and the latest news on Azure

Join

Azure A

6 Spaces

Welcome communi

Azure Databases

12 Spaces

405 Members

Your community for best practices and the latest news on Azure Databases.

Join

Bing

5 Spaces

467 Members

Your community for best practices and the latest news on Bing.

Join

Business Apps from Office

3 Spaces

9,280 Members

Your community for best practices and the latest news on Business Apps from Office.

Join

Camera

3 Spaces

Your com the latest Experienc

Cloud and AI International

2 Spaces

6,096 Members

Give feedback for the localized Microsoft Azure, Data Platform, Visual Studio, Dev tools, Enterprise Mobi...

Join

Core Infrastructure and Security

1 Spaces

3,127 Members

Your community for best practices and the latest news on Core Infrastructure and Security.

Join

Cortana

4 Spaces

1,263 Members

Your personal digital assistant

Join

Cortana

3 Spaces

Your com the latest

Customer Advisory Team

Deploying Cloud

Diversity and Tech

Driving



DANIELGLENN.COM/HELLO

Daniel Glenn

Working @ InfoWorksTN.com

Co-host @ MessageCenter.Show



@DanielGlenn



DanielGlenn.com



/regarding365



/regarding365