INTRODUCING MICROSOFT FLOW
Successor to SharePoint Designer Workflows

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TECHNOLOGY JUST GOT EASIER

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ShareFriday Mobile Site

- https://spfcinci.eventschedule.io/mobile

- Please remember to fill out the speaker survey after attending each session.

About me

- Collaboration Practice leader at InfoWorks Inc.
- @DanielGlenn
- DanielGlenn.com
- User Group leader x2
- Nashville SharePoint & SQL Saturdays

Our Services

Consulting services designed for healthcare, universities, financial services, manufacturing, and non-profits. InfoWorks understands the value of developing sustainable business models and strategies with clients and has experience integrating technology to streamline operations and increase productivity.

Operational Strategy and Infrastructure

- Business plan development
- Resource planning & prioritization
- Custom application development
- Systems integration
- Process development
- Platform and system development

Business Model Optimization

- Organizational assessments
- Package selection and implementation
- Enterprise application optimization
- Portal optimization
- Process improvement

Performance Visibility & Data Quality

- Leadership metrics/KPIs
- Trend analysis
- Predictive models
- Population health analytics
- Dashboards
- Data quality and validation
- Data governance

Stakeholder Experience & Activation

- Consumer knowledge base for proactive and targeted outreach
- Stakeholder engagement & activation
- Stakeholder collaboration
- Stakeholder communications

InfoWorks

Our Capabilities

SharePoint

CSM ScrumAlliance Certified ScrumMaster

Prosci Manage CHANGE, MAXIMIZE Performance

HBDI® Certified Herrmann Brain Dominance Instrument®

PMI PMP®

LEAN SIX-SIGMA 6σ

Microsoft Partner

tableau PARTNER

IIBA® International Institute of Business Analysis

InfoWorks

Some of Our People

MEREDITH FICKEN
PM/BA/Scrum Master

CHAD DAVIS
Data Integration &
Analytics SME

EMILY YOUNG
Senior Business Analyst

DANIEL GLENN
Sr. SharePoint Consultant

ALAN TAYLOR, MS, PMP
Lean/Six Sigma Black Belt

KRISTIN BOLLINGER, M.ED., PMP
PM/BA/Scrum Master

STEVE LITTLE, PH.D., MBA
Principal, Strategic
Solutions Group

MISTY LEOPPER, MBA
PM, Business & Technical Consultant

GIB BOWDEN
Business Analyst/
Scrum Master

MITCHELL BLUE, MS
Senior Software
Developer

BRETT KELLEY
PM & Software Development SME

LAURA BUCHANAN, RN, MBA
Clinical Operations SME &
Healthcare BA

InfoWorks

Got Help?

Twitter - #SPHelp

TechCommunity.Microsoft.com

Slide deck will be posted on
DanielGlenn.com/ShareFriday

Agenda

Background

What is Microsoft Flow?
Microsoft's Business Application Platform

Extensibility

Logic apps
Building connectors
Embedding

Looking forward

How can I get Flow for myself and my organization?
GA this Quarter

Scenarios

Look at your ideas for automating processes

You

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

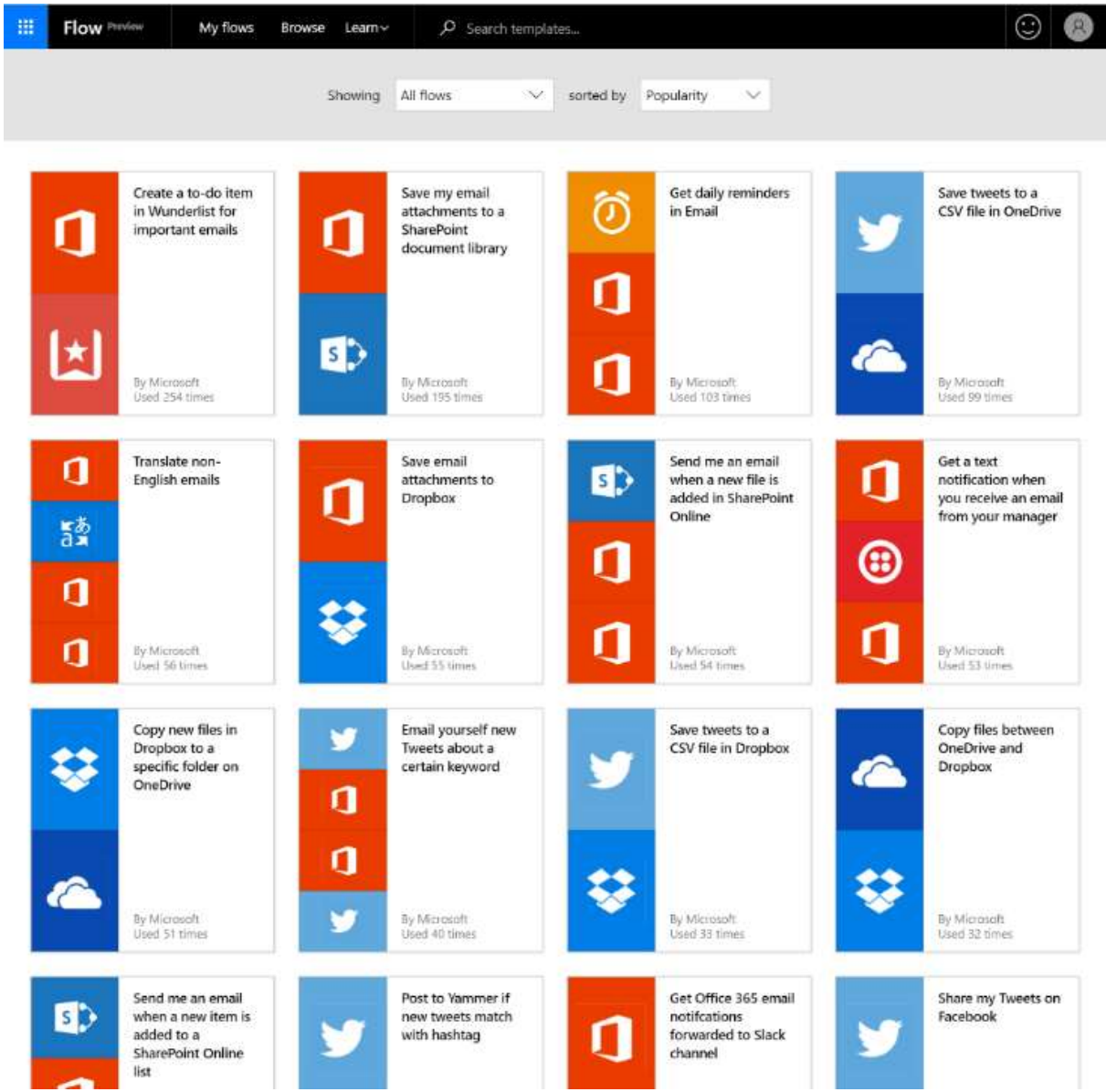
Get notifications

Synchronize files

Collect data

Automate approvals

Get started quickly with hundreds of useful templates

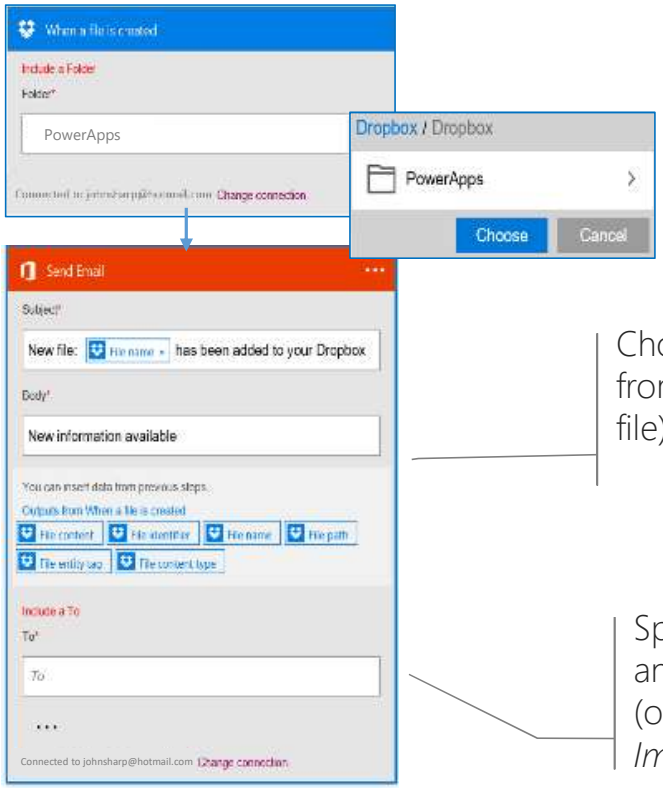


Build your own flows in an easy to use visual designer

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

Authenticate to your Dropbox account.

Select folder to monitor

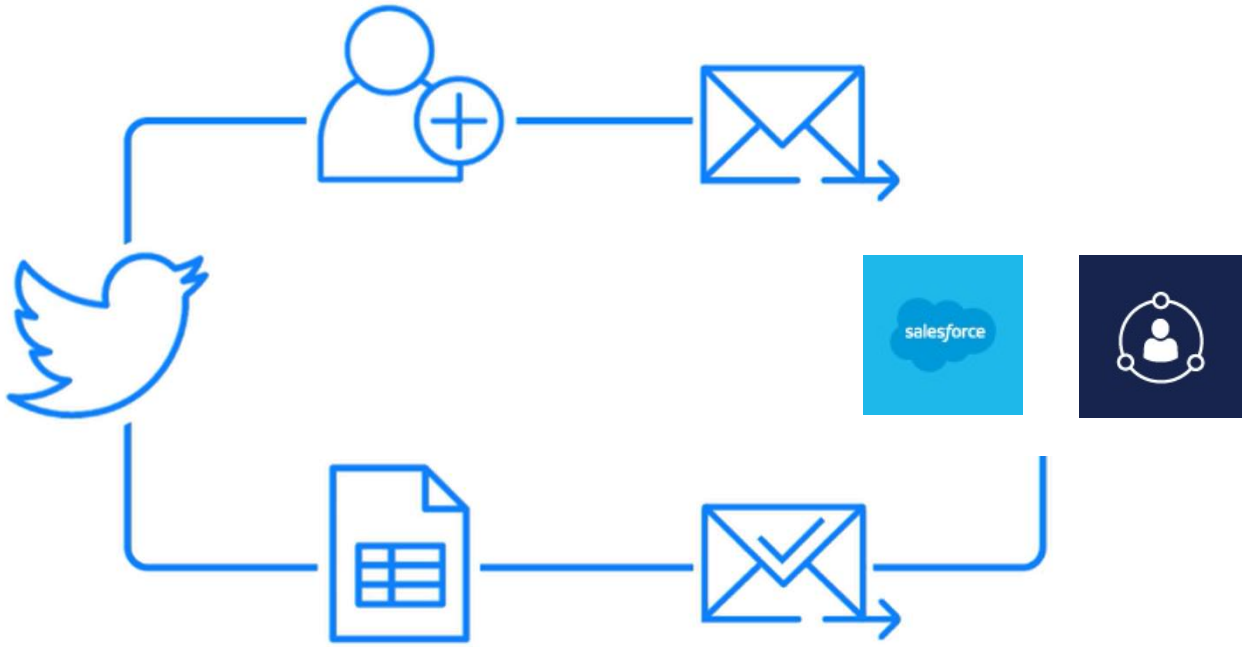


Authenticate to your O365 account.

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*



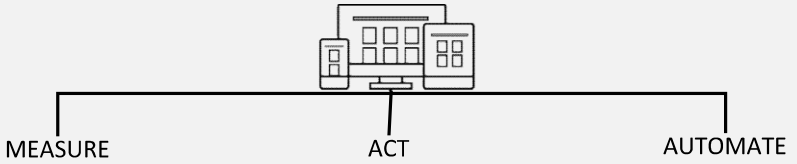
Automate advanced scenarios with multiple steps, branching conditions, and more

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

Business application platform innovation

Build modern business apps fast

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



Empowered power users

People who understand their business needs best can now build apps quickly without writing code

Power BI

PowerApps

Microsoft Flow

More efficient developers

Seamlessly extend capabilities for power users and leverage powerful Azure platform services

SQL Server BI
Data analytics
Internet of Things (IoT)
...

App Services
Service Fabric
Azure Functions
...

Logic Apps
API Management
BizTalk
...

Connected data across apps

Whether built on the Common Data Model or integrated with existing systems, get more value from your data

Common Data Model

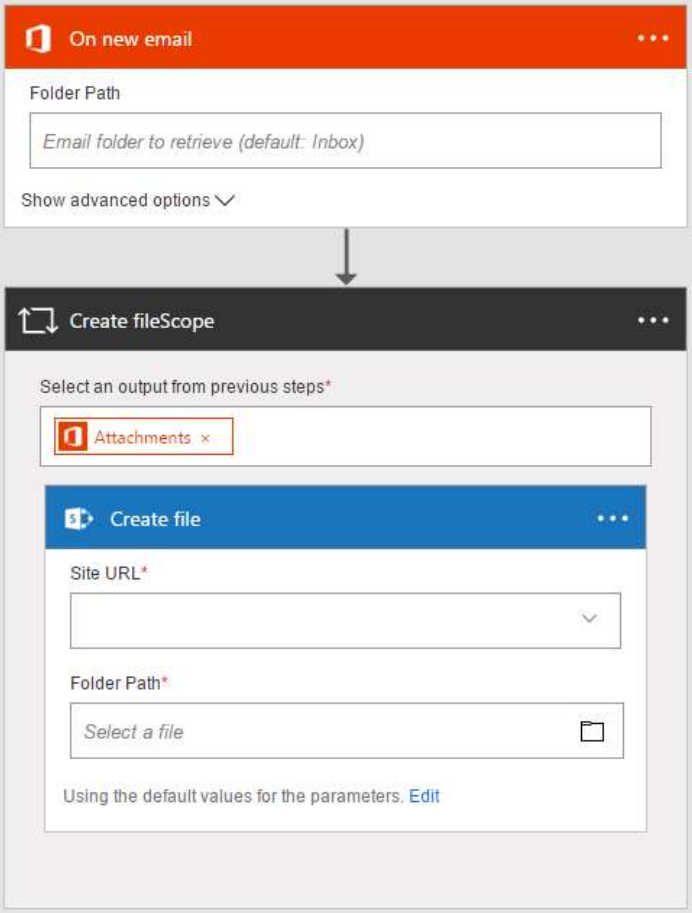
Connectors & Gateways

Examples

Demo - Productivity

Problem: Users inside of your organization often lose their email attachments and searching your email history can be difficult

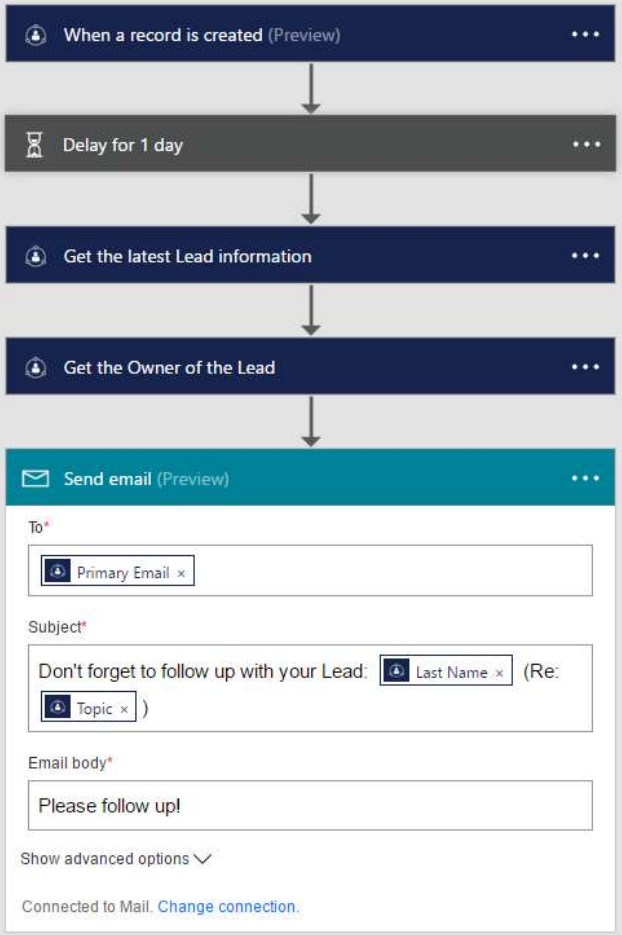
Productivity



Demo - Sales

Problem: Maintaining a high level of engagement with your sales leads improves your conversion rate, but it can be difficult to keep track of who to follow up with

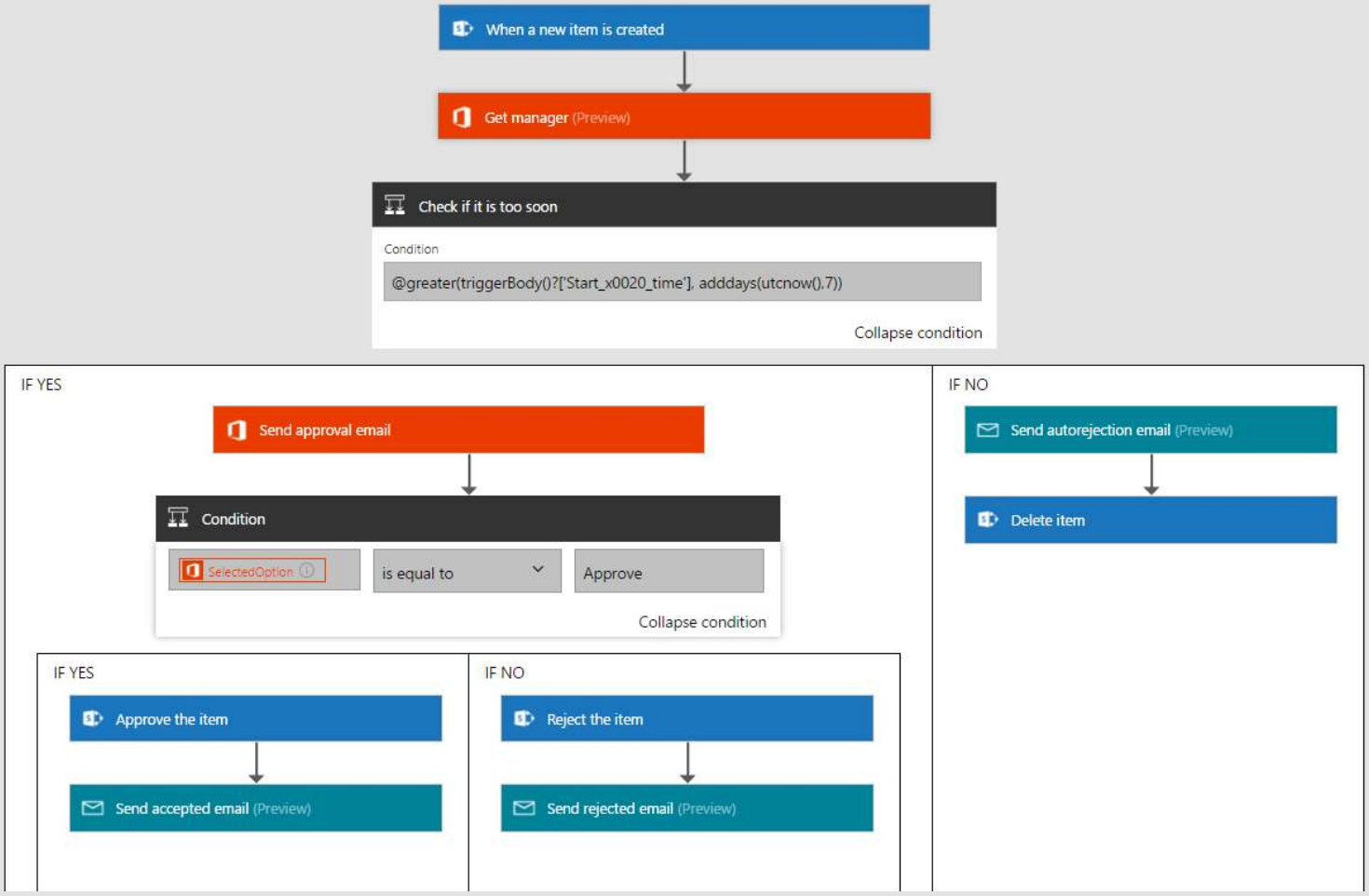
Sales


When a record is created (Preview)
Delay for 1 day
Get the latest Lead information
Get the Owner of the Lead
Send email (Preview)
To*
Primary Email ×
Subject*
Don't forget to follow up with your Lead: Last Name × (Re: Topic ×)
Email body*
Please follow up!
Show advanced options
Connected to Mail. Change connection.

Demo - HR

Problem: Your organization lacks a formal way of tracking vacation requests and ensuring that the manager approves the request

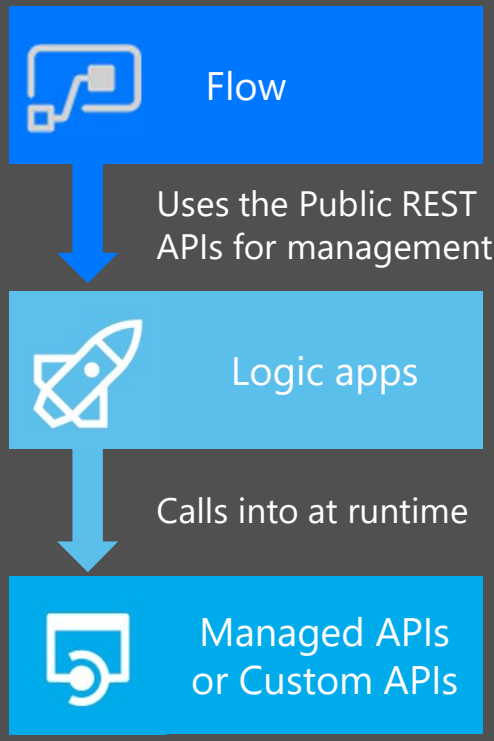
HR


When a new item is created
Get manager (Preview)
Check if it is too soon
Condition
@greater(triggerBody()?['Start_x0020_time'], adddays(utcnow(),7))
Collapse condition
IF YES
Send approval email
Condition
SelectedOption
is equal to
Approve
Collapse condition
IF YES
Approve the item
Send accepted email (Preview)
IF NO
Reject the item
Send rejected email (Preview)
IF NO
Send autorejection email (Preview)
Delete item

Extensibility

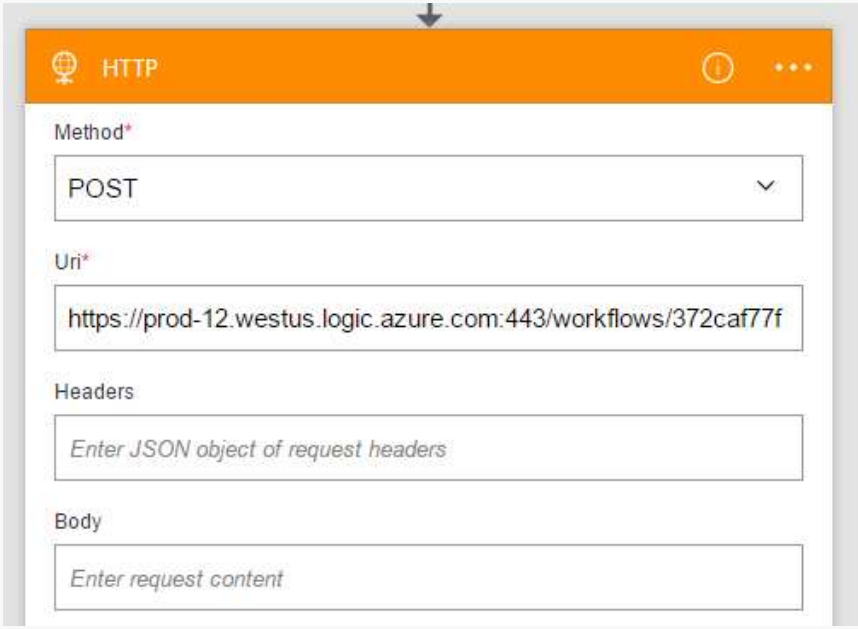
Flow is powered by Logic apps

1. **Built on top of Logic Apps**: uses the public APIs and standard runtime
2. Due to #1:
   a) we leverage the same visual designer / editor
   b) Logic Apps can **always** do everything that Flow can do
   c) *Pro tip*: the "advanced" mode for conditions uses the same language
3. Flow has additional UX / experiences to simplify experience for typical office worker



Logic apps and Flow interaction

HTTP cards in both Logic apps and Flow let you call from one to another



Building out templates for services

- You can build out templates for your own scenarios
- Today, you can share out these templates with anyone in the public
- Templates will be able to be locked down to a specific company by end of CY16

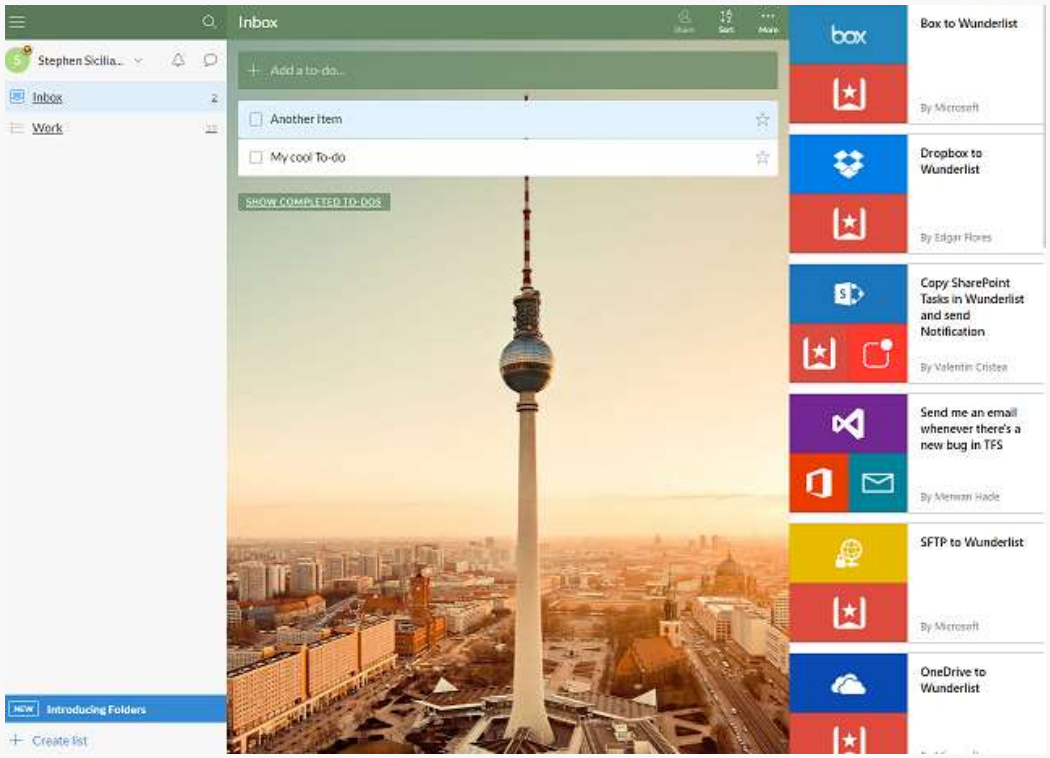
Embed a view of Microsoft Flow in your app

Inside your Web site or application

<IFRAME> for hosting a tailored view of templates for your service

Can also log the user in and show their specific flows tied to your service

Read more here: https://flow.microsoft.com/en-us/documentation/embed-flow-dev/



Looking forward

PowerApps and Flow preview

102,000+
creators

42,000+
organizations

137
countries

Availably today for anyone to try at:

flow.microsoft.com

Microsoft Flow General Availability this quarter

Admin center

Environment administration

Lifecycle and management for all resources

Manages roles and role membership

List and monitor list of all resources in a given environment (*)

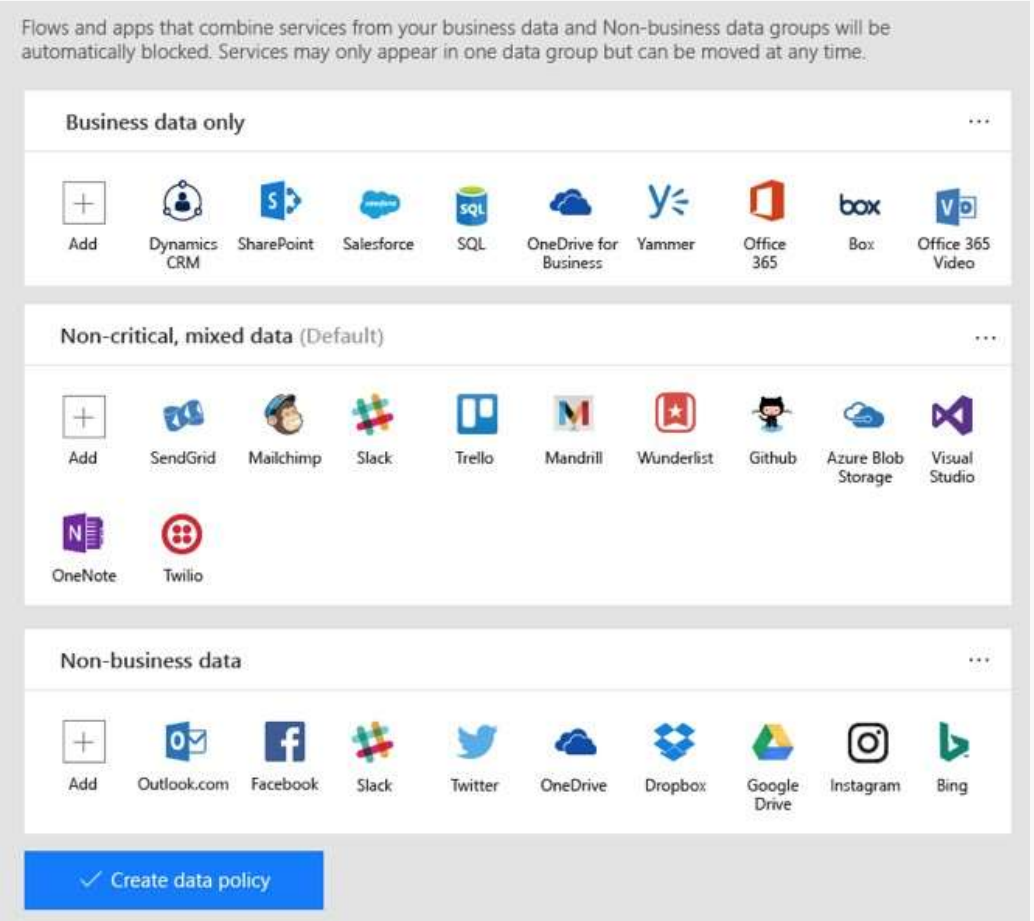
Data Loss Protection

Provide IT-administrators with full control of how data flows within an organization

Set policies for classification of services

Local agility, central control

Allow developers/teams control over their environment and still have centralized control

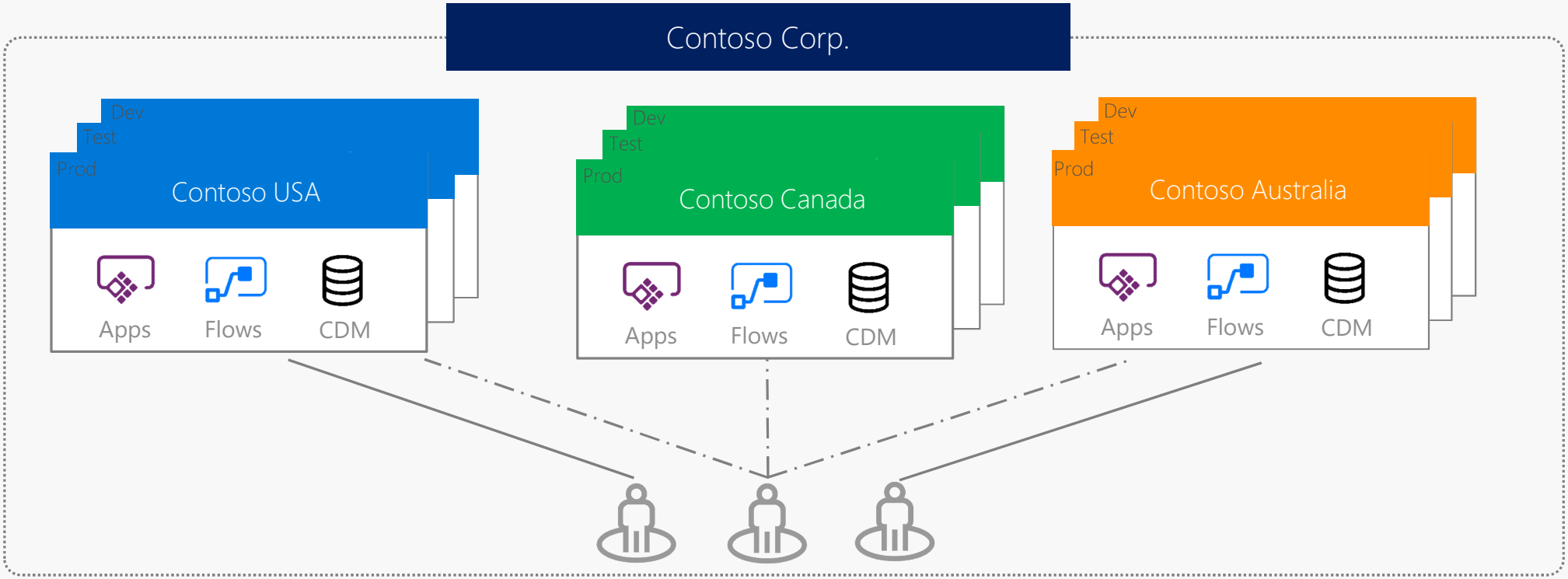


(*) Capabilities planned for Post GA release

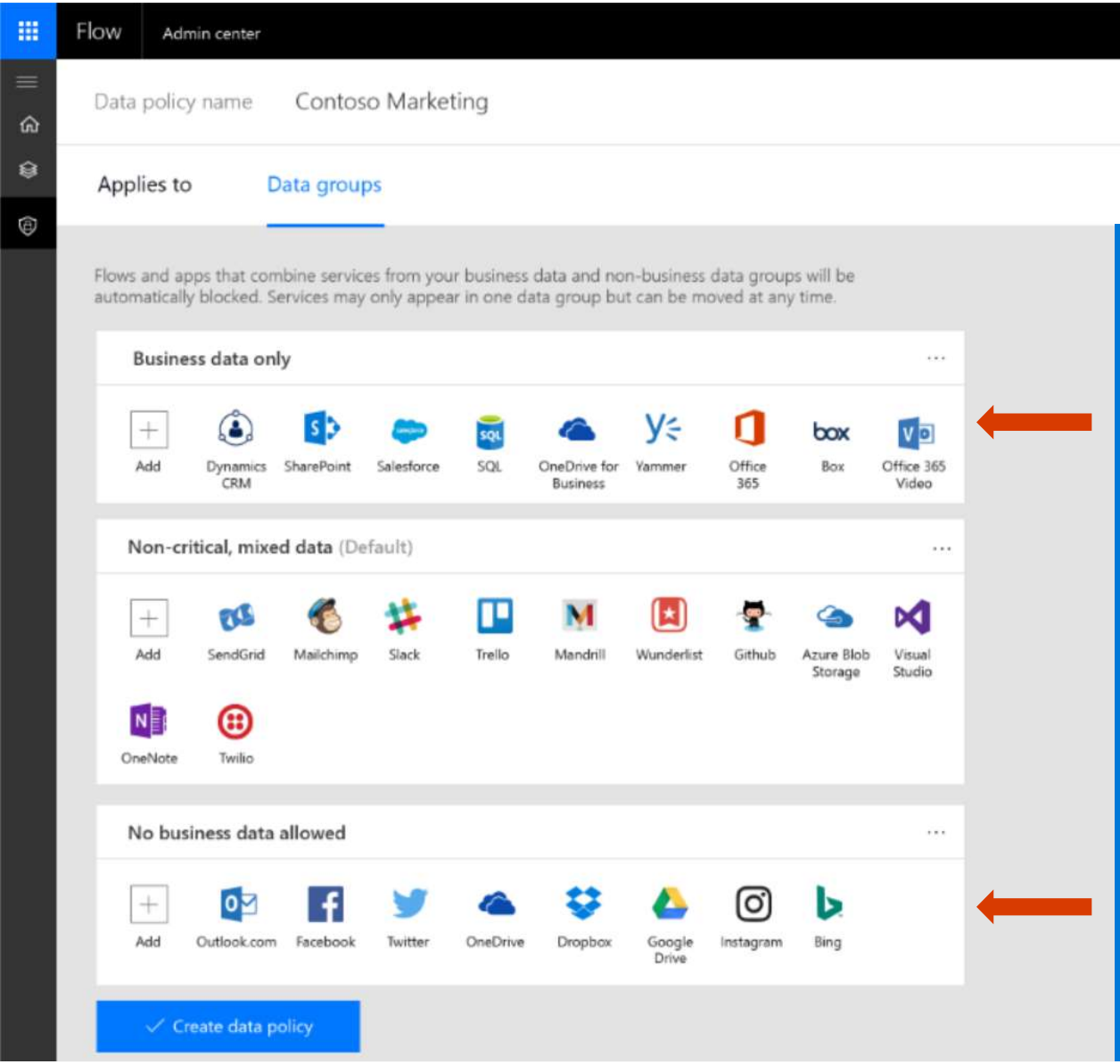
Roadmap is for general information purposes only and subject to change

Deployment environments

Easily manage enterprise scale-out of applications and data.
Move solutions across environments with packages.



Roadmap is for general information purposes only and subject to change



- To prevent data loss, as an admin, you can setup policies that classify services into three data groups.
- Any Flow or PowerApp that uses services from the *Business data only* and *No business data allowed* groups will be blocked.
- Policies can be applied to the entire tenant or specific groups of users
- In the future, we'll add more actions like info tips, block pending business justification, and custom groups.

Microsoft Flow Sharing and Collaboration

Co-authoring

Many authors can edit a flow, not just a single owner

If the original author leaves the company the flow continues to function

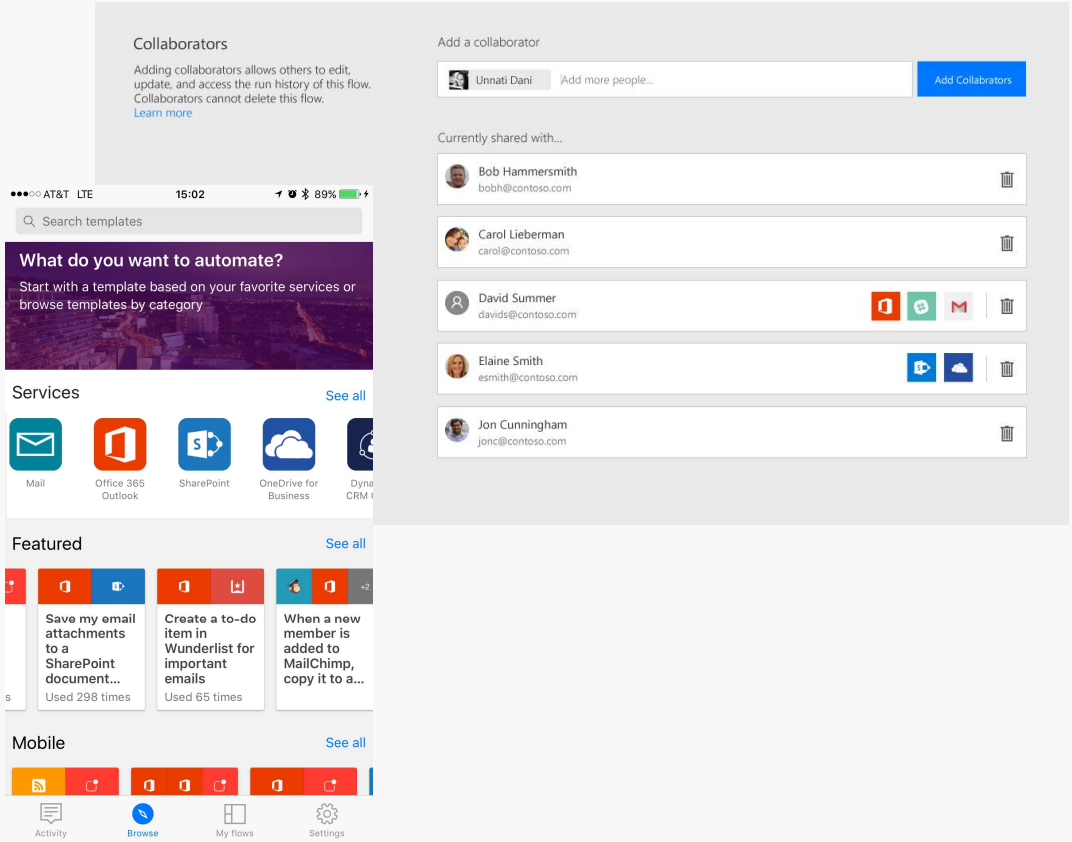
Publish to AppSource

Make flows available to others inside of an organization for consumption

Creation from Mobile

Develop and co-author on flows right from the Microsoft Flow app for iOS or Android

Enhanced Flow mobile integration



Roadmap is for general information purposes only and subject to change

Roadmap

Q3 Calendar 2016

- Android Mobile App
- On-premise data Gateway
- In-context in SharePoint Online
- Flow SDK for Embedding
- Advanced control-flow logic
- Microsoft Common Data Model support

Q4 Calendar 2016

- General availability, 42 languages, 7 geographies
- AppSource integration
- In-context in Dynamics 365
- Leverage device signals (e.g. Location)
- Data Loss Protection Policies / Admin management
- Co-Authoring

H1 Calendar 2017

- Sovereign cloud availability (Government Cloud, Germany Cloud)
- Seamless grow-up from Microsoft Flow to Azure Logic Apps
- ALM: Move solutions across environments
- Azure functions integration

How to get Flow?

Flow Free	Flow for Office 365 Flow for Dynamics 365	Flow Plan 1	Flow Plan 2
Anyone can sign up for free with their personal, work or school email	Included for free with most* Office 365 and Dynamics 365 application SKUs	Can be purchased by an individual or an admin 90 free trial available Also included with Dynamics 365 Plans 1 and 2 and PowerApps Plans 1 and 2	
750 flow runs per month included Limited to connect to "standard" services No on-premises connectivity (Post-GA) No co-authoring or sharing within an organization No SLA	2,000 flow runs per month included Limited to connect to "standard" services On-premises connectivity to Office, Dynamics services* (Post-GA) Includes co-authoring or sharing within an organization	4,500 flow runs per month included Full "premium" connectivity to cloud and on-premises (Post-GA) Includes co-authoring or sharing within an organization No governance or management features	15,000 flow runs per month included Full "premium" connectivity to cloud and on-premises (Post-GA) Includes co-authoring or sharing within an organization Full governance and management features

Flow runs

Accruing at the tenant level

The flow runs usage quota is summed across all users up to the tenant

For example, if you have 1,000 users with Flow for Office 365 and 200 users with Flow Plan 2, the tenant can have:

1000 * 2000 + 15000 * 200 = 5M flow runs / month

Purchasing additional runs

The tenant can purchase in additional chunks of 50k runs / month

Get started at **flow.microsoft.com**