





## Flow, and Common Data Service: Businesses with the Microsoft Business Application Platform

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**PowerApps**

## Agenda

- What is the problem that we are trying to solve?
- What is the solution?
  - Business Application Platform
  - PowerApps and Microsoft Flow
- How to use PowerApps?
- How to use Microsoft Flow?
- Demo
- Takeaway



when you're building business apps  
**it's hard to keep everyone happy**

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Secure

Scalable

Managed

Integrated

Compliant

**VS**

Fast

Iterative

Cross-platform

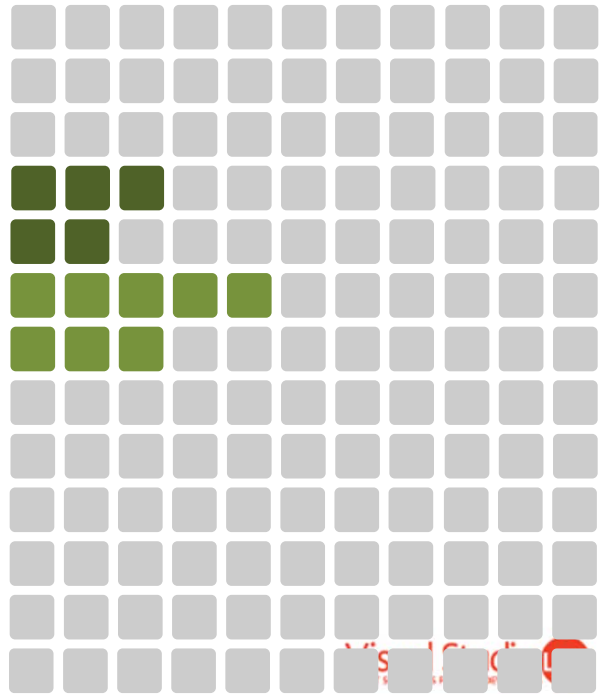
Beautiful

Easy

Only a handful of business apps  
merit the time and cost of  
traditional **custom software**  
**development...**

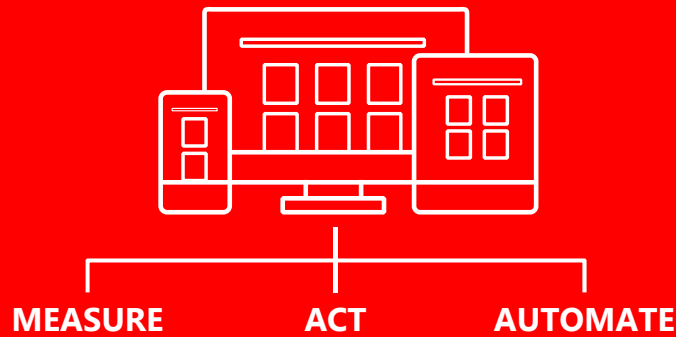
...and only so many problems can  
be solved with **off-the-shelf SaaS.**

**What about every  
other need your  
business faces?**



**Lets change the way we build business apps**

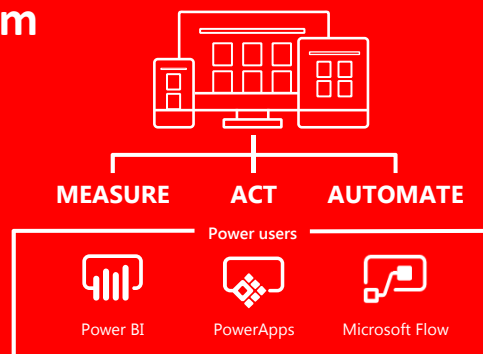
## Let's innovate faster



Compose analytics, user experiences, and automation together using a complete and integrated set of services from Microsoft.

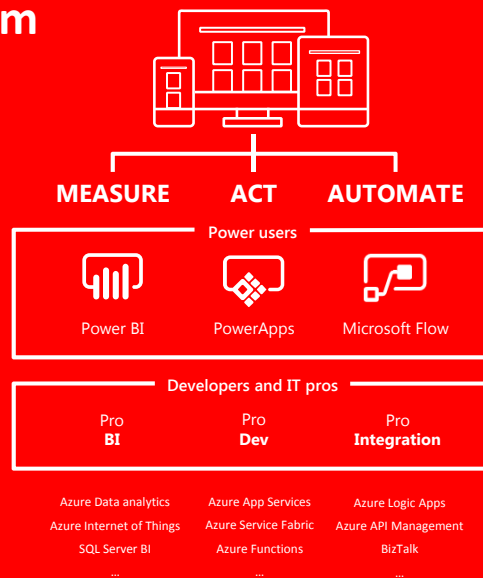
## Business Application Platform

**Power users** who understand their business challenges the best can now quickly build and deliver solutions without writing code.



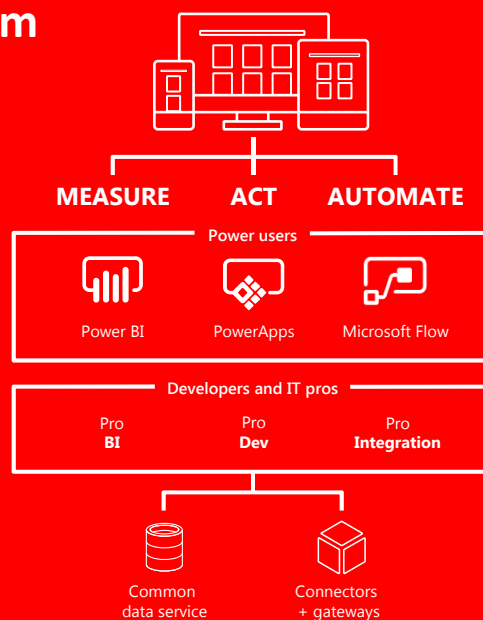
## Business Application Platform

**Professional developers** can now easily extend capabilities for power users and take advantage of rich platform services with the full power of Azure.



## Business Application Platform

**A common data model and connectors** make it possible to get more value out of the data and services you're already using.



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



Connect to  
Common Data Service  
or existing systems and  
data sources



Build apps, forms, and  
workflows without  
writing code

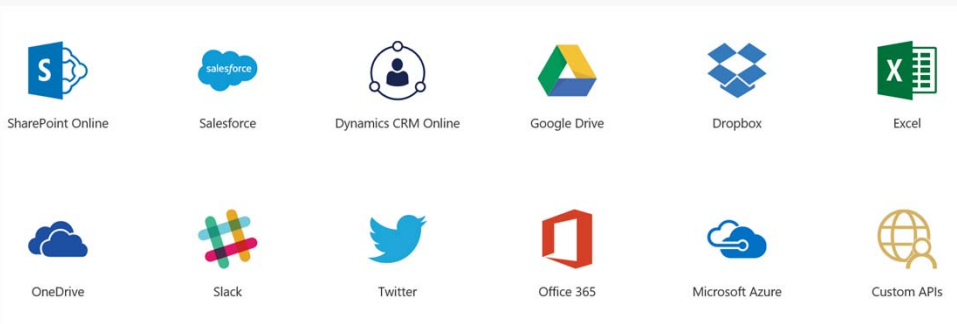


Publish apps  
instantly for web  
and mobile

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## Connect to cloud and on premises data

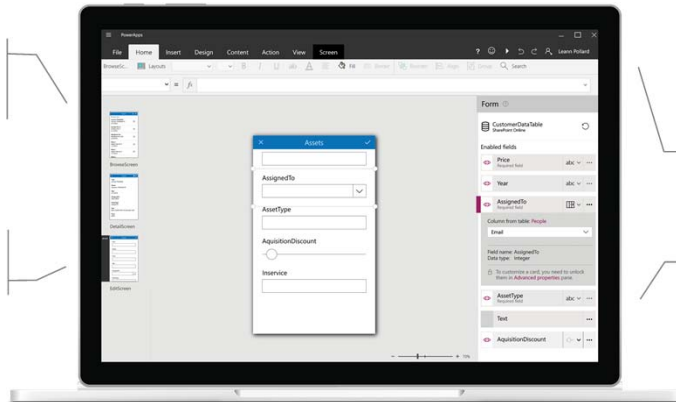
Out of the box SaaS connectors  
Custom APIs to connect to any custom REST endpoint  
Connect to on-premises data using gateways



## 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



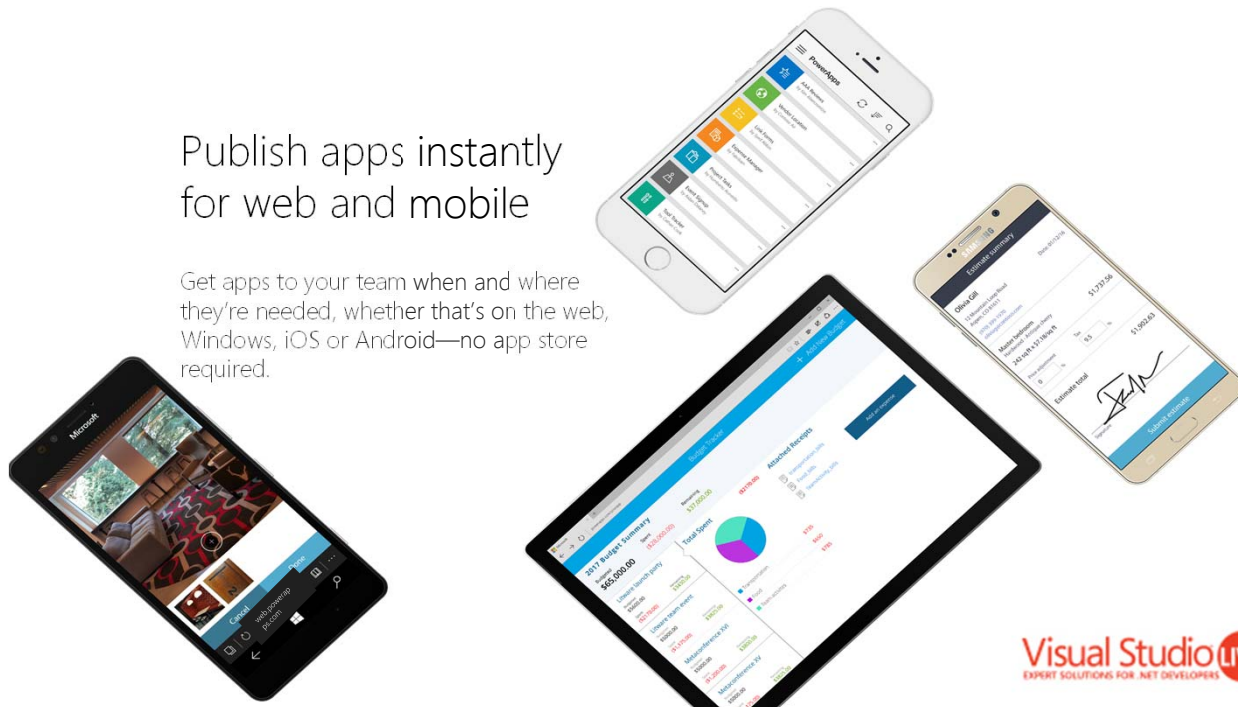
Build business logic into your apps with an Excel-inspired expression language

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

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## 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.

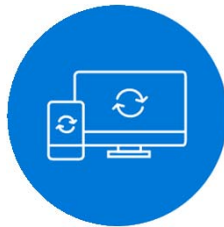


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Microsoft Flow helps you **work smarter** by automating workflow across your apps and services



Get notifications



Synchronize files



Collect data



Automate approvals

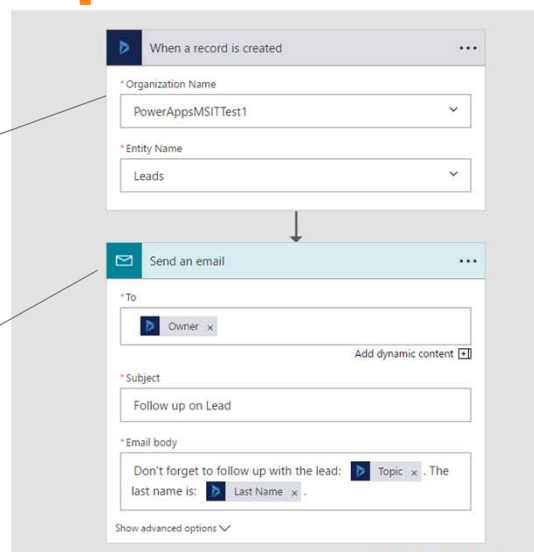
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## What makes up a flow?

Example: Notification Flow

Trigger – the event that kicks off the flow

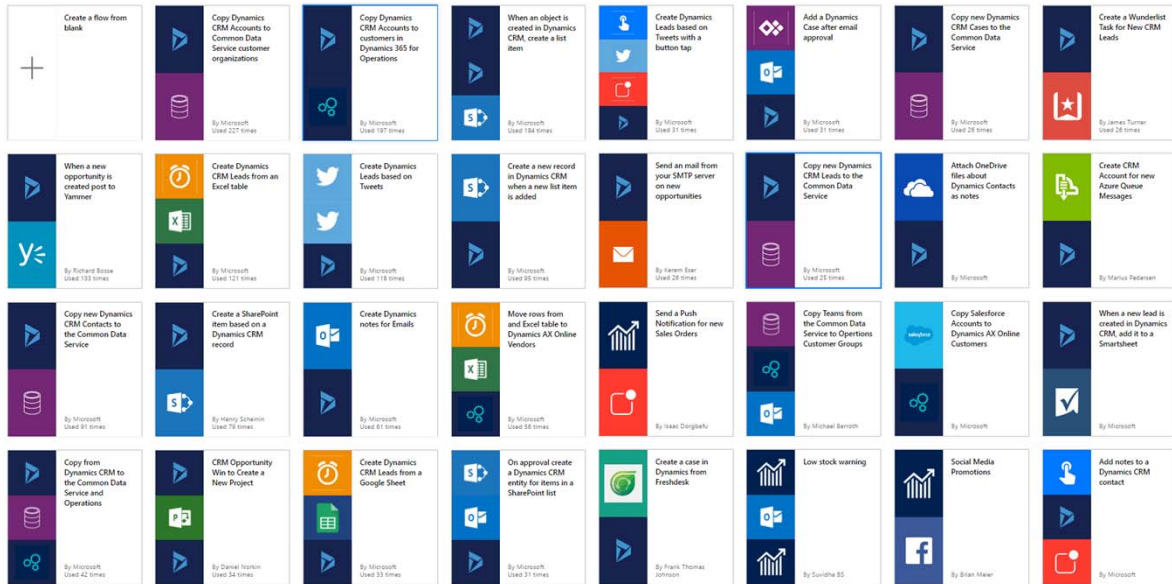
Actions – what the flow does  
*Uses data from the trigger*



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## Templates help users to get started



## Customer Stories

## NATIONAL TRUST



- Charity aimed at preserving United Kingdom's heritage and open Spaces
  - Over 4.5 million members and 62,000 volunteers
  - 120 million yearly visit to their 350 properties
- IT regeneration efforts being supported by eBECS, a Microsoft Gold Partner



## Property Inspection

Customer: National Trust Partner: eBECS

Score	Band: This Year	Band: Target	Notes
75	High (80-70)	Very high (80-100)	Best survey for Woolthorpe - records need expanding to meet NT level 111. The survey lists and identifies all the known archaeological sites within the land.
80	Very high (80-100)	Very high (80-100)	Site condition assessed by NTB during May 2016, condition knowledge not currently recorded in digital format.

Score	Feature
100	1. Archaeology
100	2. Manor House
100	3. Other buildings



# DriveTime

## SCENARIO

- ❖ App is used by DriveTime employees who buy cars at used car auctions
- ❖ Used car auctions are high speed bidding events, with buyers given a few hours before hand to inspect the cars
- ❖ The application allows the buyers to

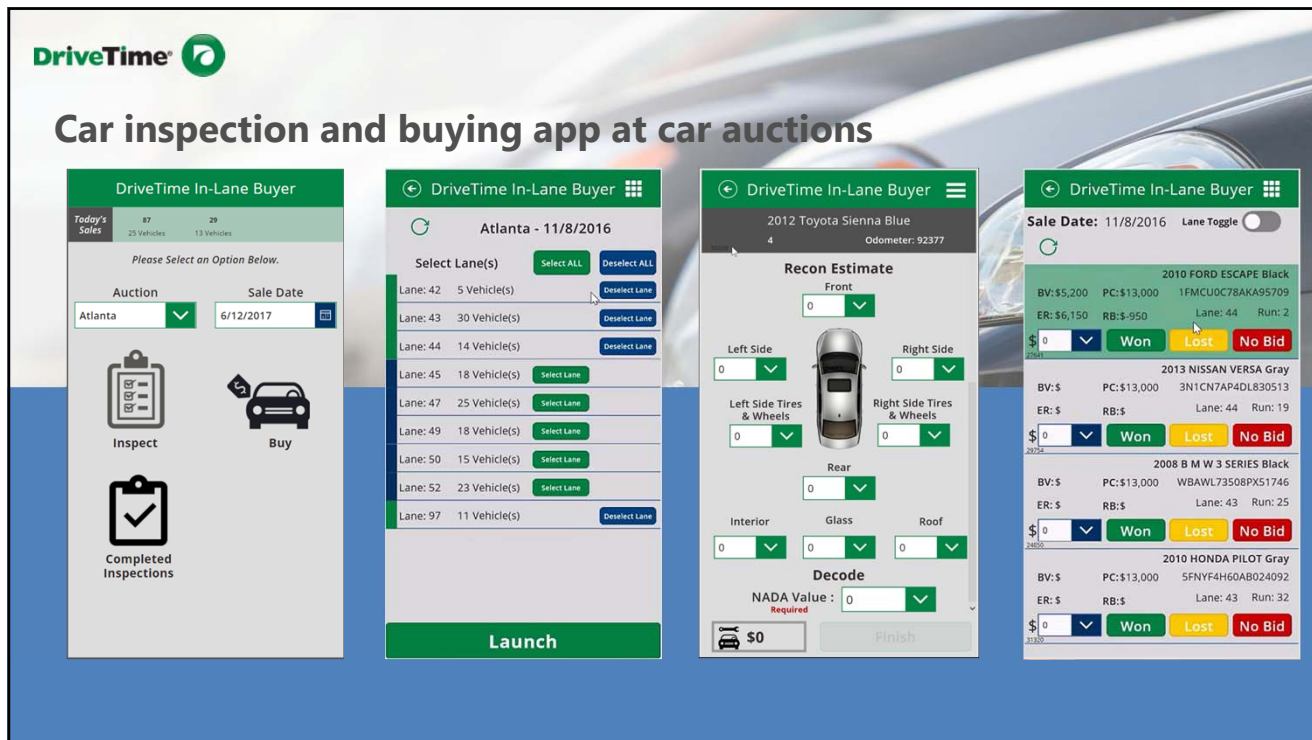
### **At Inspection time -**

- Distribute the lanes of cars at the auction among themselves
- Inspect the cars in their lane and enter inspection details
- NADA value integration helps them estimate the cars resale value

### **Auction time -**

- In Context info to make better bids
- As they bid, they enter the bids and the results live into the app, so their management has real time insight into the auction
- Management can also reach out to inspectors in real time to make adjustments in the bidding

The application replaces a paper based process that was error prone, with management getting insight into an auction only after the buyers got back to their desktop and filed an auction report.



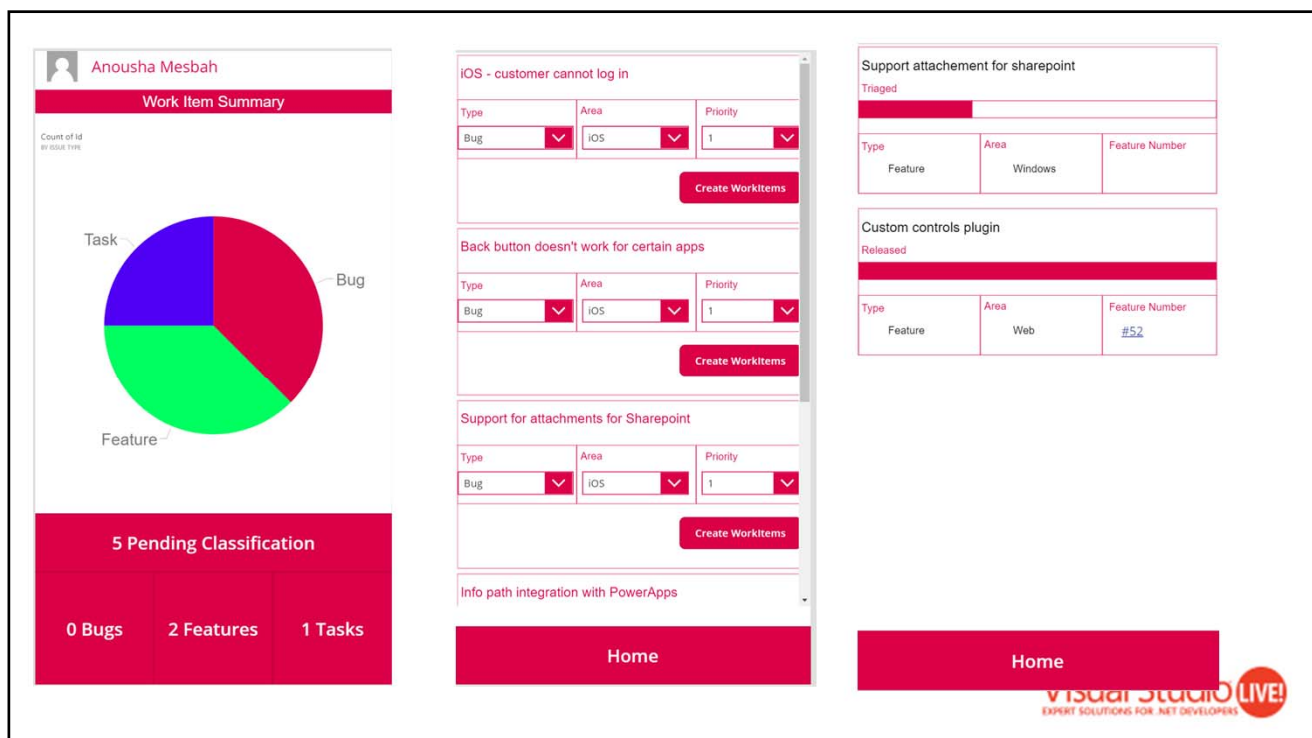
## DEMO

## LETS CREATE AN APP

1. Customer Support enters customer issued tickets to the Sharepoint list
2. From the sharepoint list, Program managers/Engineering managers manually create VSTS bugs into VSTS online for tracking
3. Sharepoint list then manually gets updated with the VSTS data for tracking
4. Customer Support sends an email out to the engineering group when a bug that is a p0 is reported by the customer.

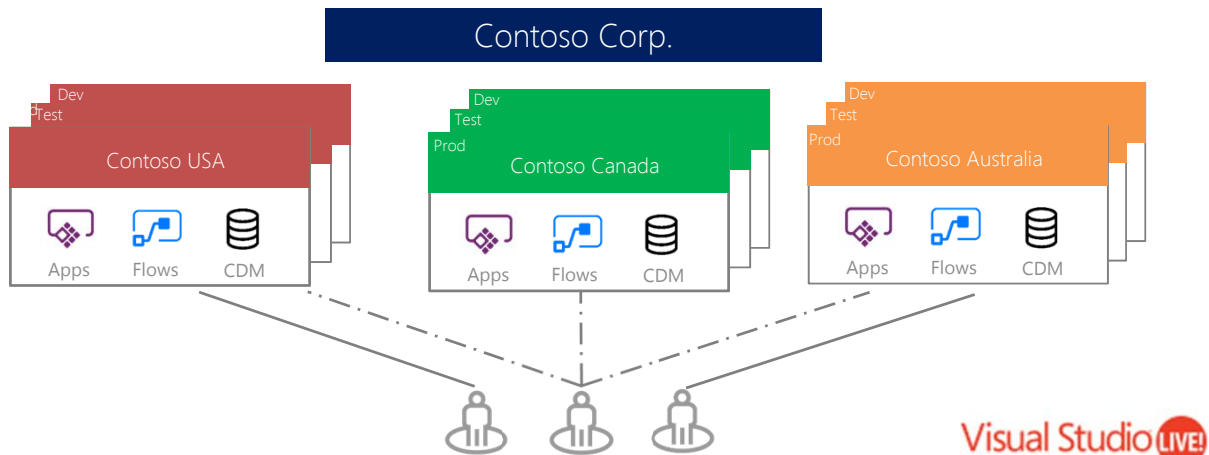
What can we do to automate this?

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### Environments = Performance + Standards + ALM

- Deploy to targeted audiences through easy to manage, protect, and secure environments



### Session Takeaways

#### Why PowerApps?

- Enable business users and developers to create business app with minimal to no code.
- Bring your data to the powerapps using out of the box connectors, and custom connectors
- Enable IT to secure and manage the data

#### Why Flow?

- Eliminate human interactions in the process and automate them using triggers, and actions across multiple services

Questions?



## Admin Portal



**Delegate  
Service  
Administration**



**Manage  
Permissions &  
Permission Sets**



**Standardize  
Common Data  
Entities**



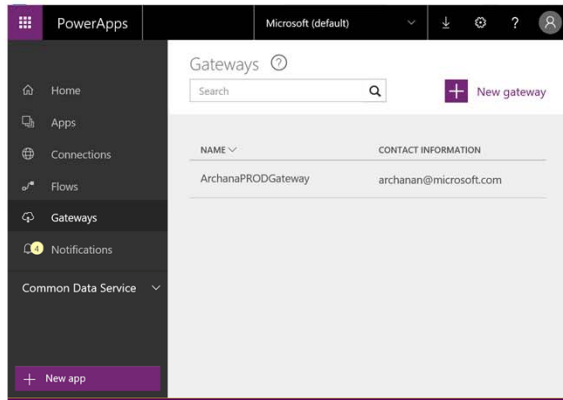
**Prevent  
Unauthorized  
Data Exposure**



**Improve  
Regional  
Performance**







## On-premises data gateway

Acts as a bridge between on-premises data and PowerApps service

Install once and use across PowerApps, Microsoft Flow and PowerBI

Connect to on-premises data on SQL Server and SharePoint.

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## Use Custom APIs to connect to any custom REST endpoint

APIs themselves can be hosted anywhere

Register the custom API using the Swagger definition file for your API

Use in PowerApps just like any other connection

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