



PowerApps for the Masses with Portals

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ONCE
UPON A TIME

**City who had too
much paperwork...**



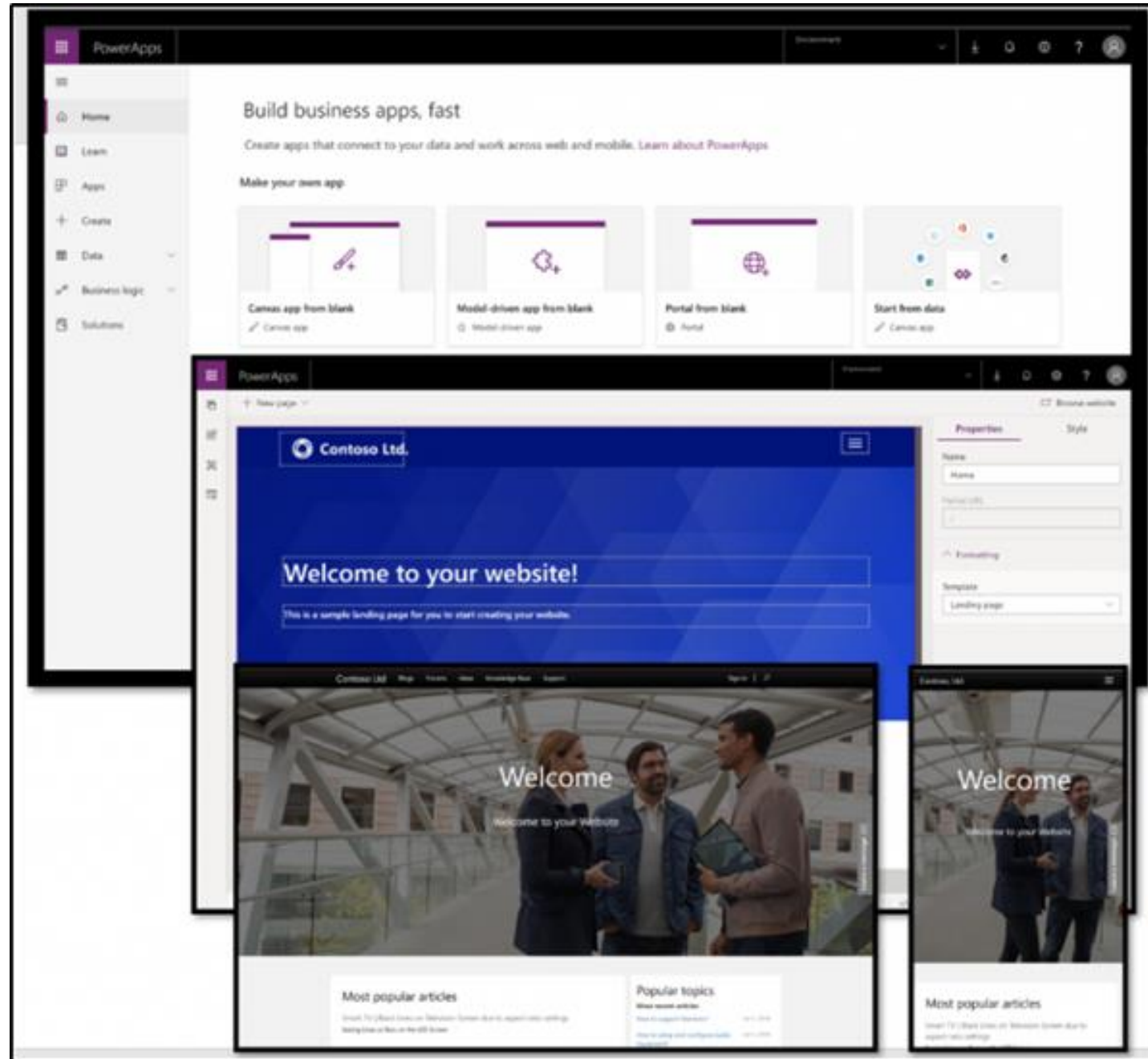
And a city manager
who hated dealing
with people...



And then there was an
idea by a citizen
developer.....



To develop a city portal and bring forms online.



Now, everything is digital.



About Brian

- SQL Server MVP
- Founder of Pragmatic Works
- Author of 16 books
- Blogs at PragmaticWorks.com

- Twitter: @BrianKnight

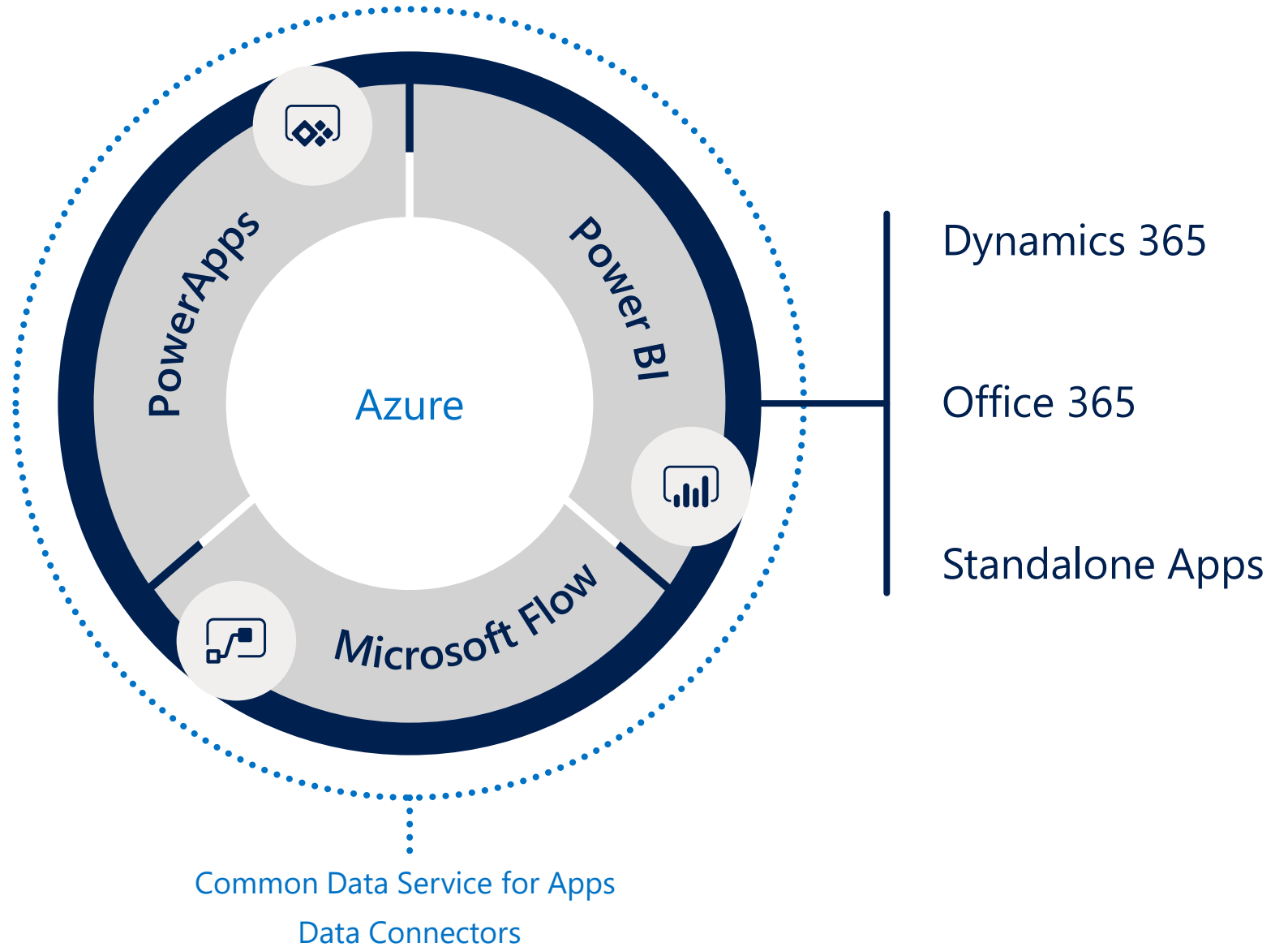
Wasn't very good with girls

Even Kermit the Frog founded a company

All 16 still awaiting a publisher.

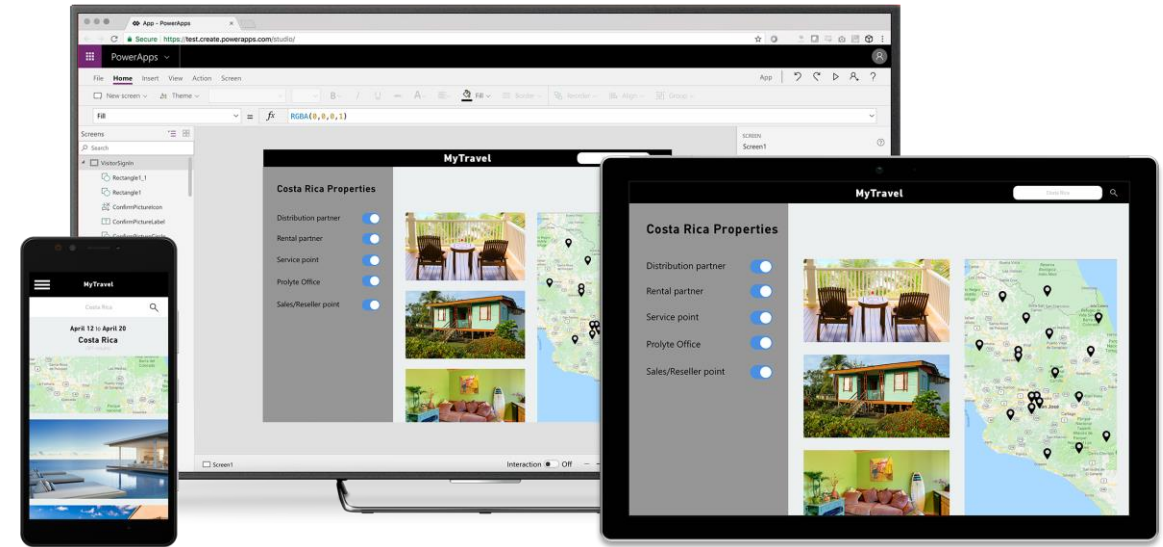
Where he writes about his miniature donkey collection.

Microsoft Power platform



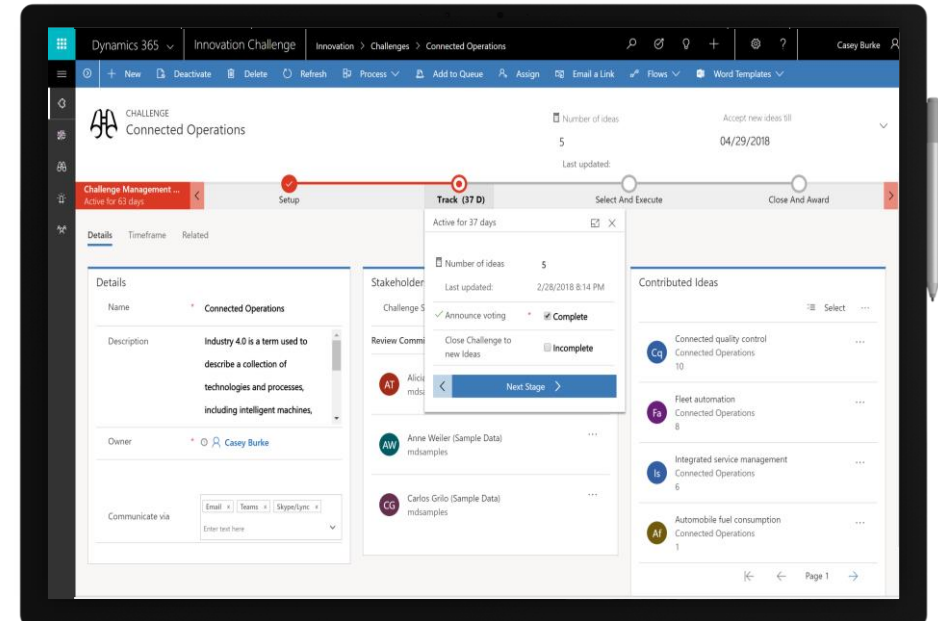
Build and consume solutions for web and mobile with PowerApps

- Build highly customized task- and role-based canvas apps with data from one or multiple sources
- Generate immersive model-driven apps, starting from your data model and business processes
- Consume fully accessible apps across web and mobile, embedded or standalone, on any device



Put all your data to work with Common Data Service for Apps

- Jumpstart apps using a standardized data model with business logic, security and integration built-in
- Extend to your own needs and integrate across your apps and services
- Seamless Dynamics 365, Office 365, and Azure integration, augmented with data from industry partners

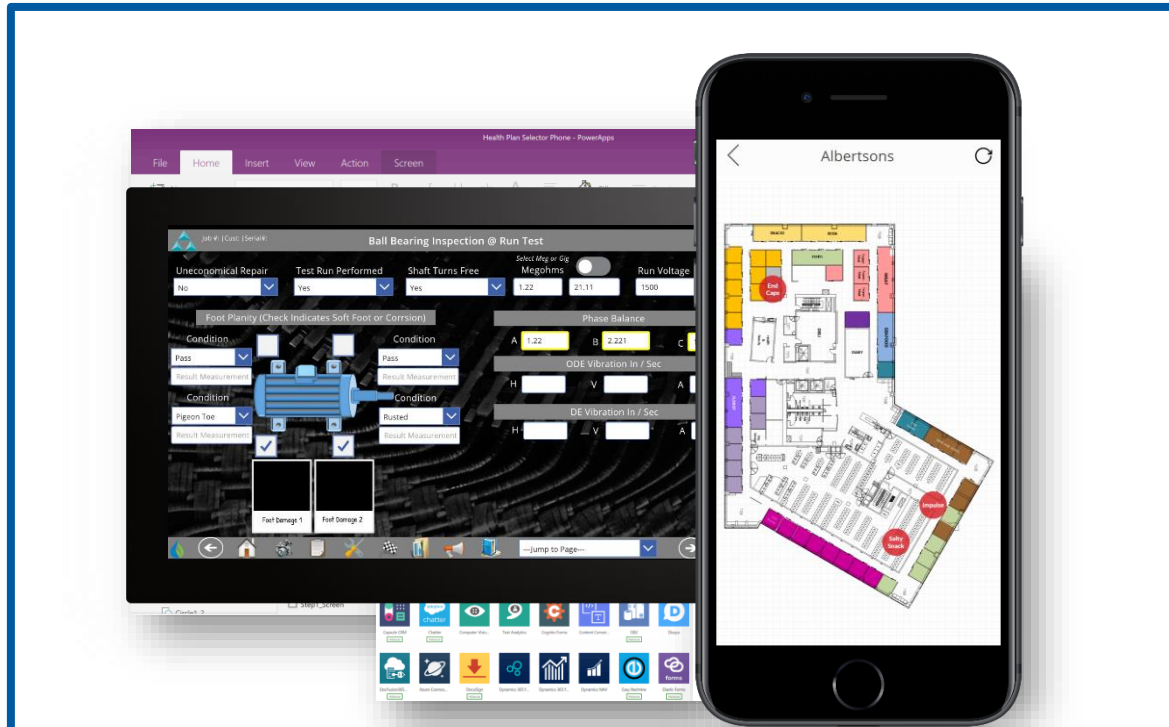


Enterprise-grade

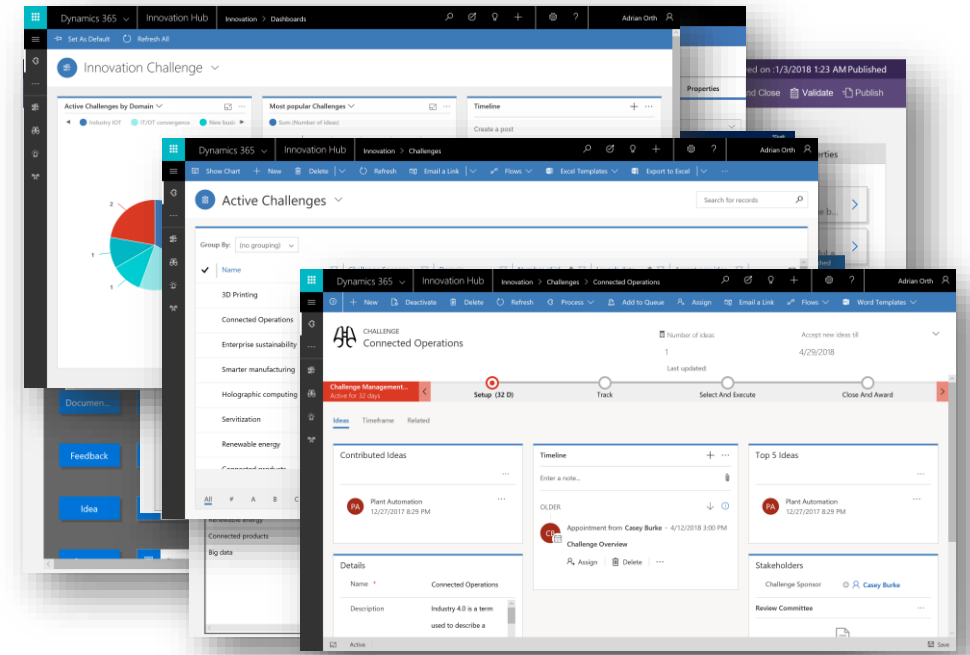
Cloud and on-premises connectivity

Pro-developer extensibility

Focus on Canvas Apps



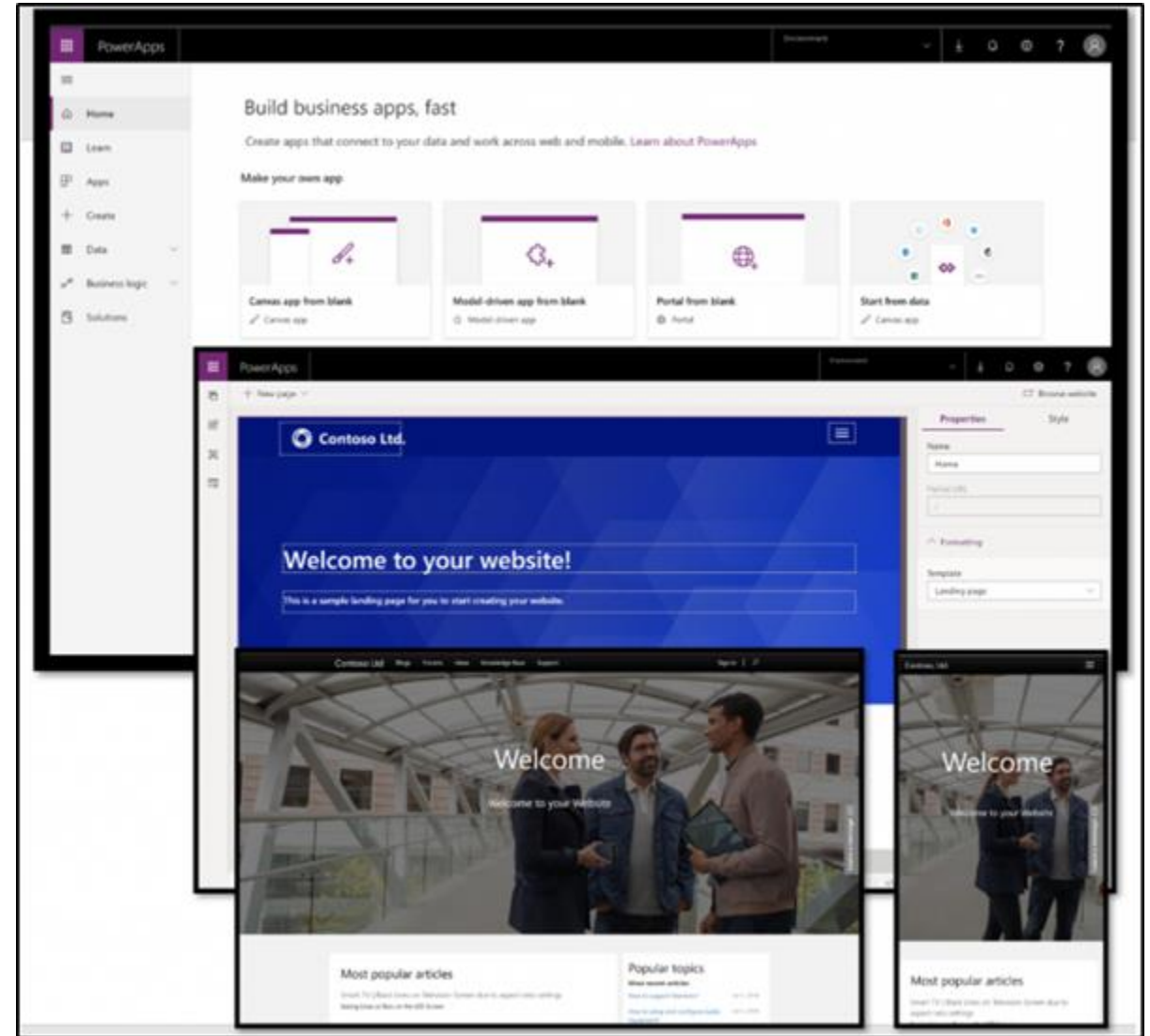
Canvas apps
Start with user experience
WYSIWYG designer
Task- and role-based apps
Mash up data from 200+ sources
Plan 1, PowerApps for Office



Model-driven apps
Built on the Common Data Service for Apps
Start with a data model, relationships, and business processes
Build End-to-End business applications
Plan 2

And now.... PowerApps Portals

- Build externally-facing sites
- Host forms
- Allows for anonymous or authentication with AD, Facebook Twitter, LinkedIn, etc



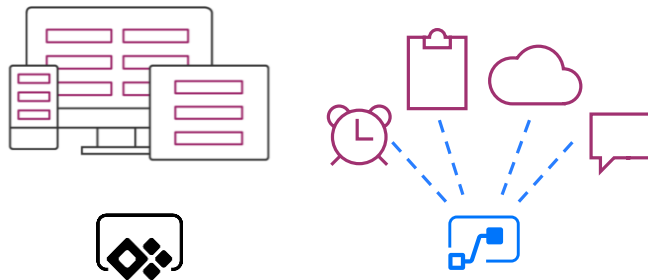
Common Data Service (CDS) for Apps

Allows you to securely store and manage the data used in apps

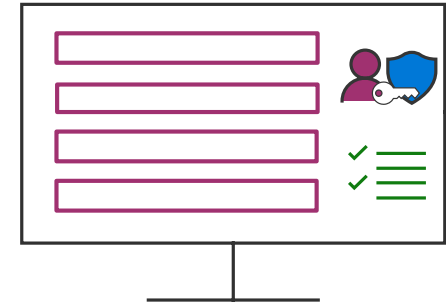
CDS for Apps is how PowerApps, Office, and the Dynamics suite of products integrate with a single system of record for business data



Store data in standard and custom entities with rich metadata



Build PowerApps apps and automate Flows against the data stored in CDS



Add Business rules & validation
Define role-based security

Common Data Service for Apps

Standard entities that represent commonly used concepts and activities across a variety of business & app domains

Ability to **extend** the standard entities by adding **custom fields** and **relationships**

Add **custom entities** to support your scenario and application

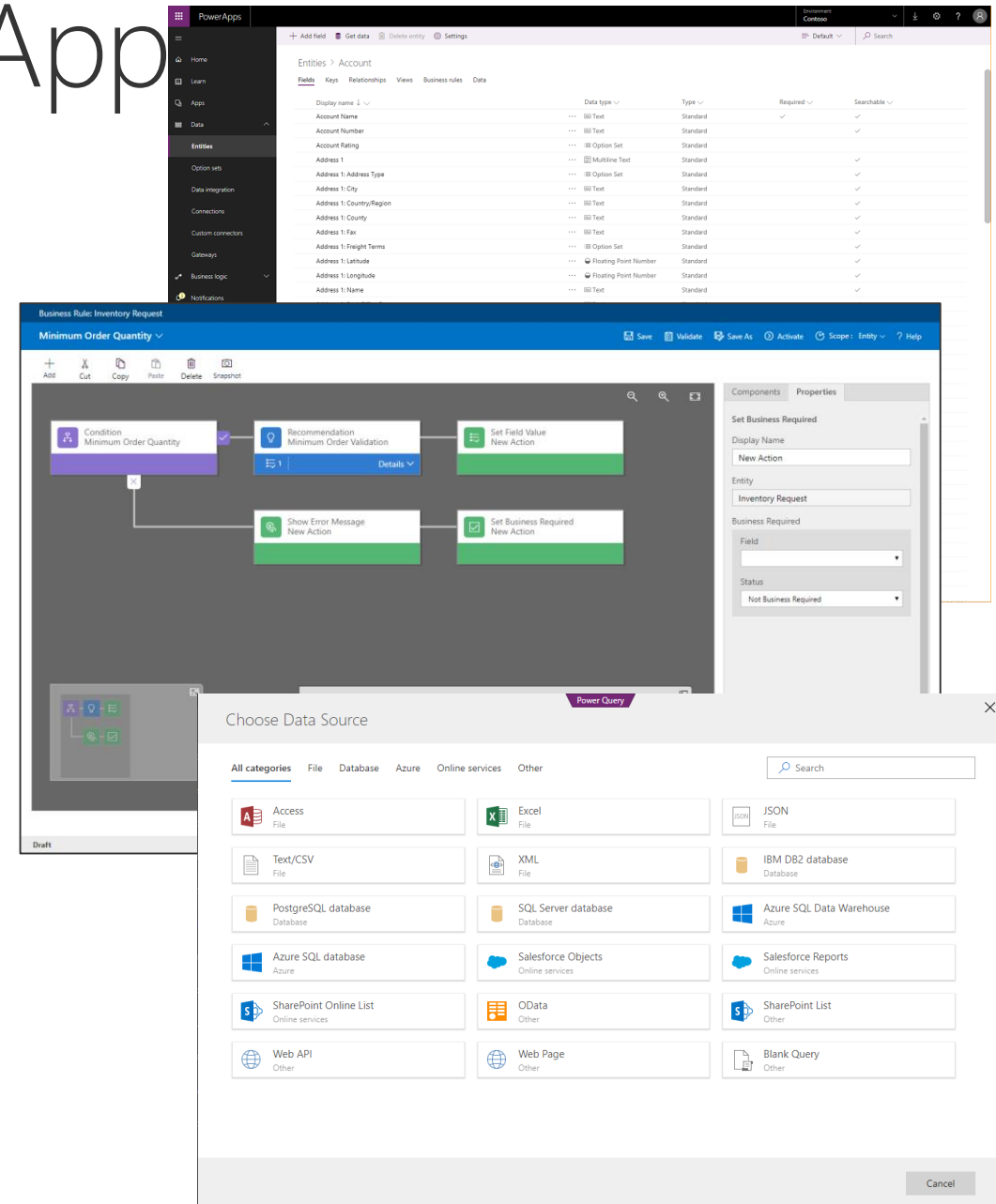
Create **calculated and roll up fields** to provide consistent calculations across apps

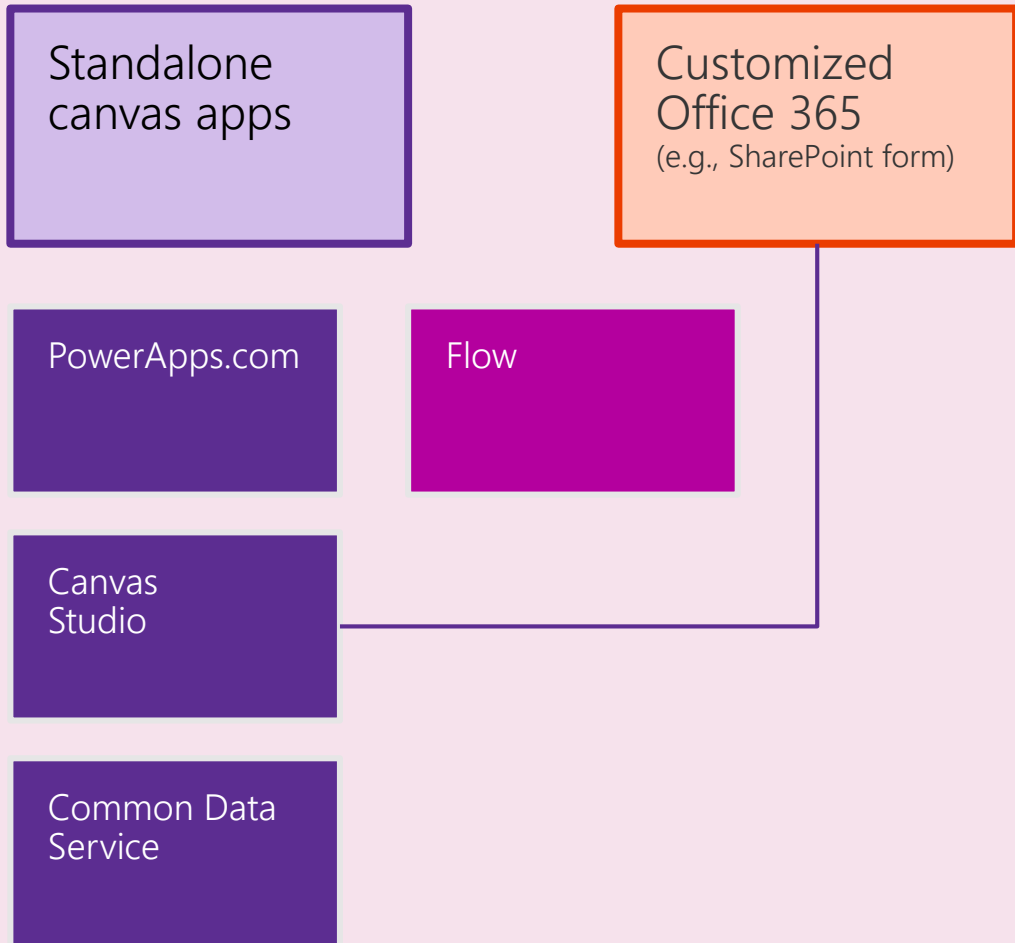
Define **business rules and validation** to ensure data quality

Easily **import and synchronize** your data using **Power Query**

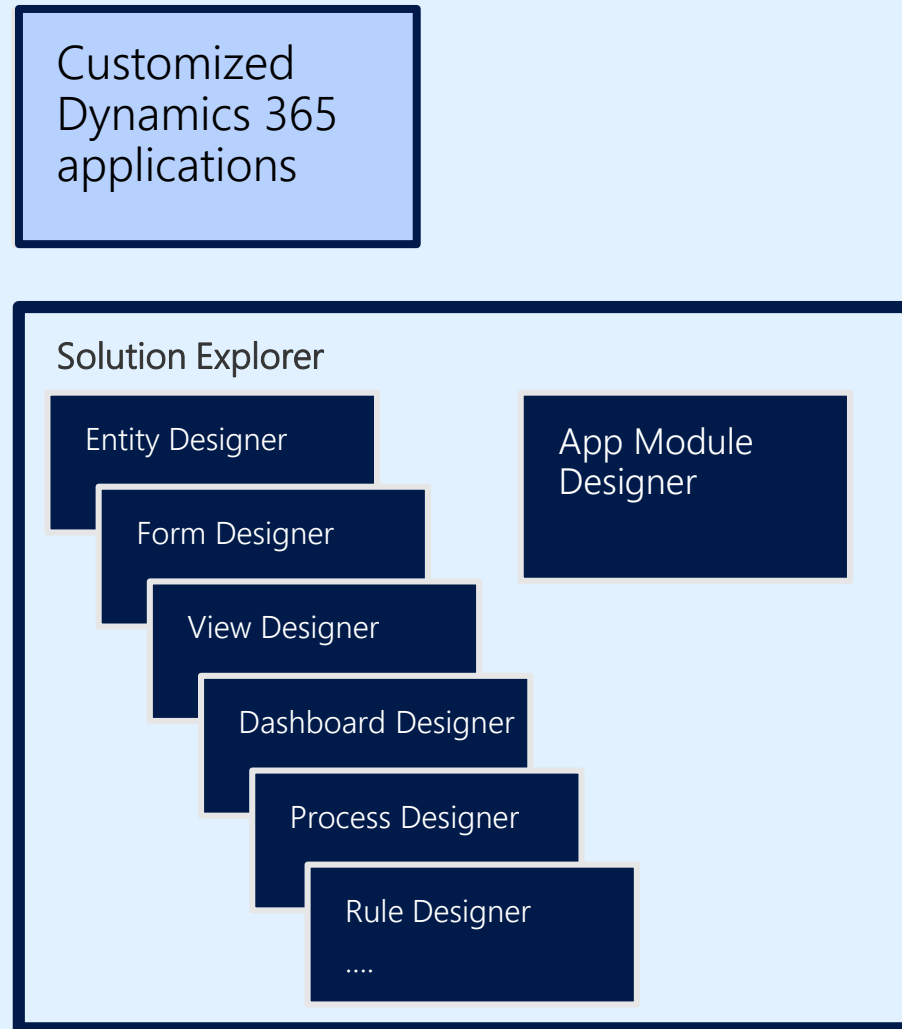
Sophisticated **security model** providing row level security and even models hierarchies.

Production ready **pro developer SDK** allowing CDS for Apps access from any pro-dev application



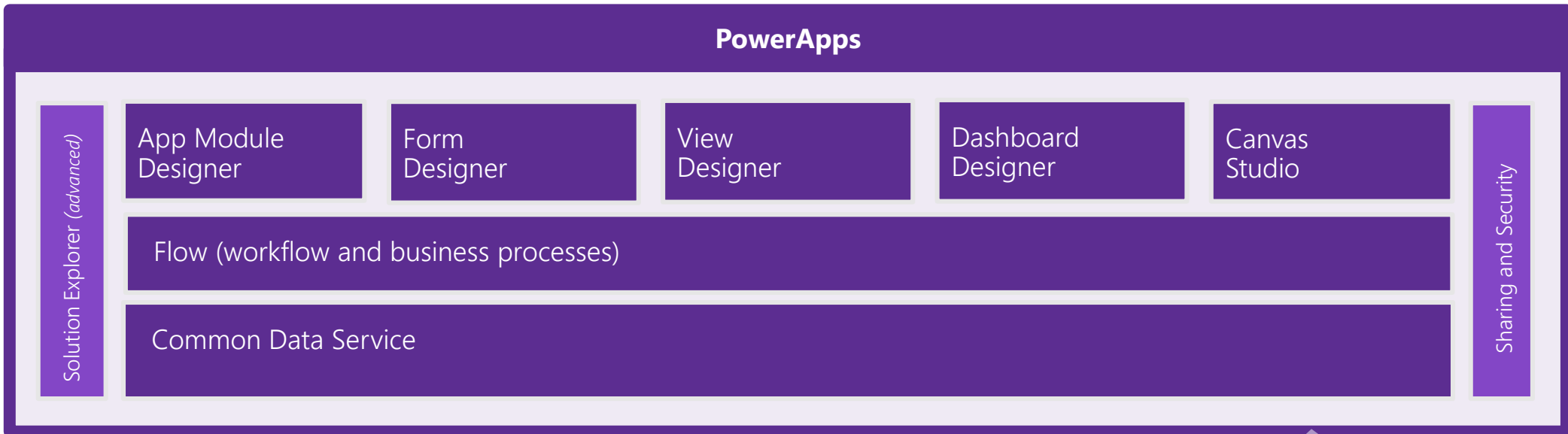
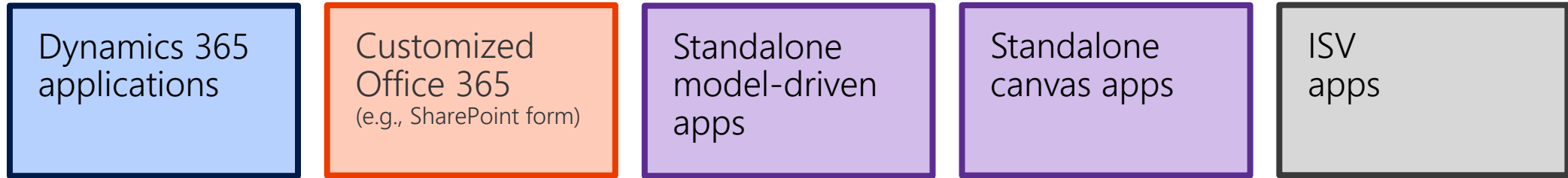


PowerApps + CDS



Dynamics 365 platform

Unifying to one high-productivity application platform



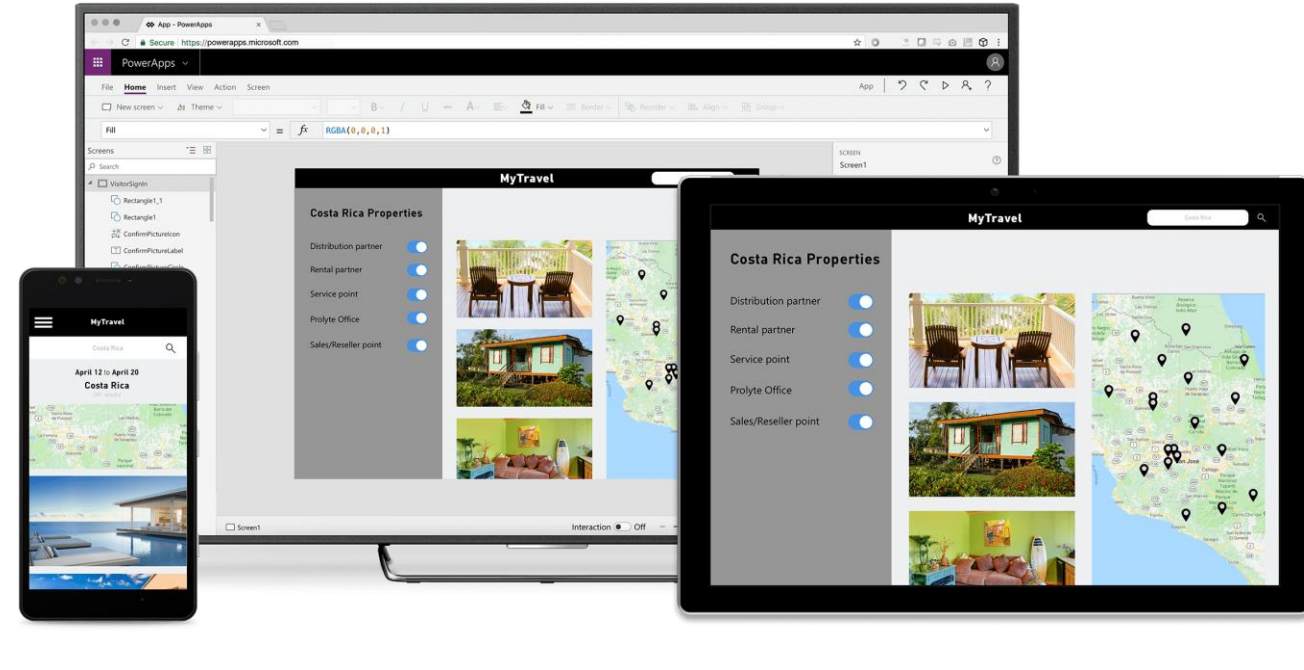
Dynamics 365 data natively on the platform – no integration required

Enterprise-grade Application Lifecycle Management

Server-side business logic for validation, defaulting, calculated fields and more

But wait...there's more! PowerApps for Guests

- Allow external users to access apps
- Estimated delivery in October



#1 Question: What does it cost?

- I'm not a licensing expert!



PowerApps Portals Licensing

User Type	Licensing	Unit Capacity	Price/Month
External authenticated users	Per log in	100 log ins	\$200
External unauthenticated users	Per page view	100K page views	\$100
Internal users	Via user subscription license	PowerApps for Office, P1, P2	\$0/\$7/\$40 user
Per app	\$10/user/app/month		

It's easy to
get started...

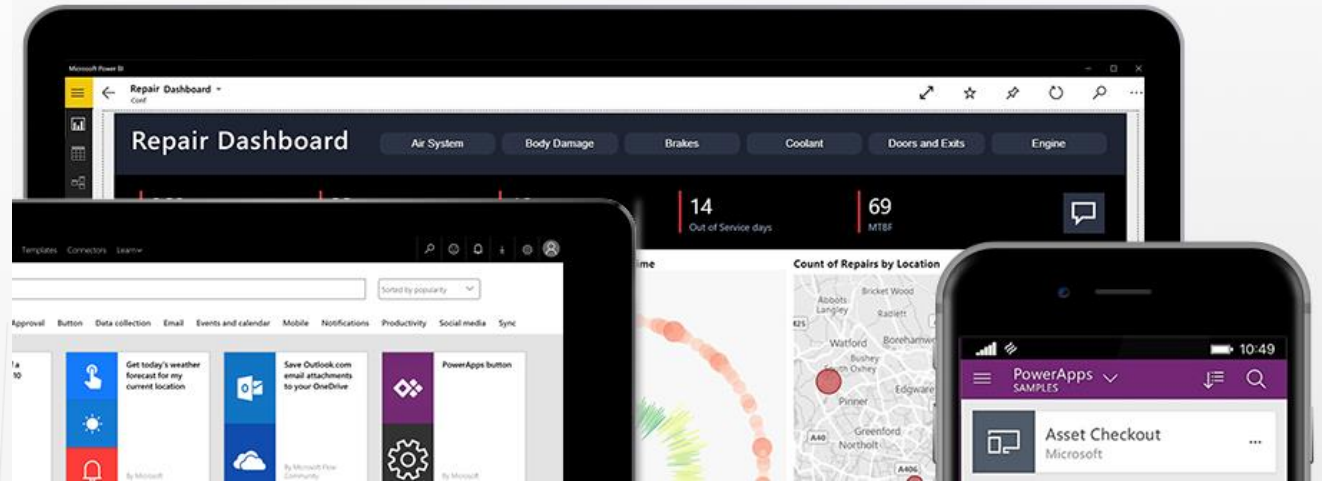
Demo

**\Creation\Configuration\
Security\Form**

Power Platform Pros Shared Development

- As little as 20 hours a month
- No onboarding or setup free
- Each Month:
 - 32 hours of new expert development from same developer
 - 8 hours of support on-demand (<2-hour response SLA during business hours)

Power Platform Pros





PowerApps Portals for External Users

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