Integrating Microsoft Flow into a Power BI Solution



- Microsoft Flow
- PowerApps
- Common Data Model

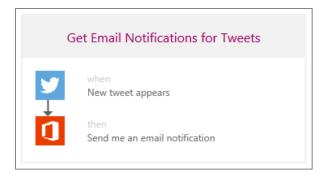


Microsoft Flow

Previously called Logic Flows

- Rich workflows connected to services
- Built using actions and conditions
- No-code approach to building interconnected systems
- Flows built from Templates -or- from scratch

Simplified version of Azure Logic Apps

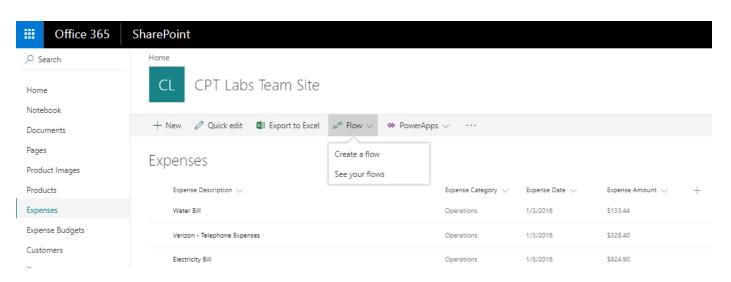




Microsoft Flow

SharePoint Integration

Connect to a SharePoint List



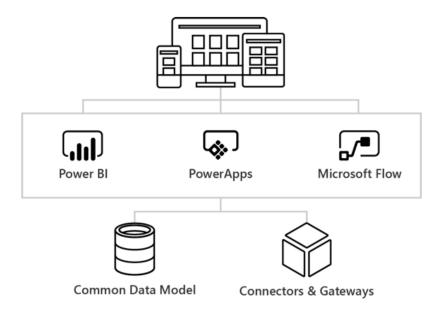


On-Premises Data Gateway

Connect to on-prem data

Same technology used by Power BI, PowerApps, and MS

Flow





- ✓ Microsoft Flow
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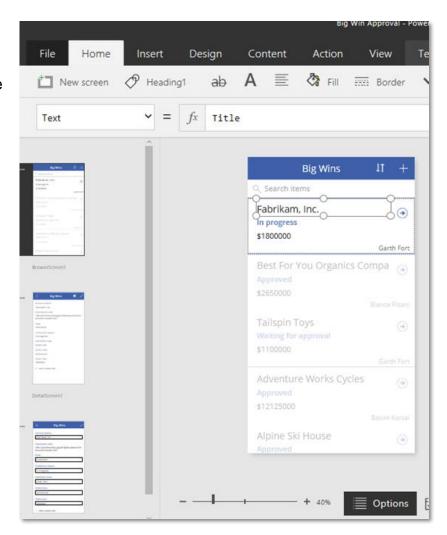
PowerApps background

- Extension of Project Sienna
- Cloud-based apps for range of mobile devices
- Authentication through Azure Active Directory
- Built in connectors for some popular data sources
- Extensibility through custom managed APIs
 - (Azure Functions, Azure API Apps...) and Microsoft Azure



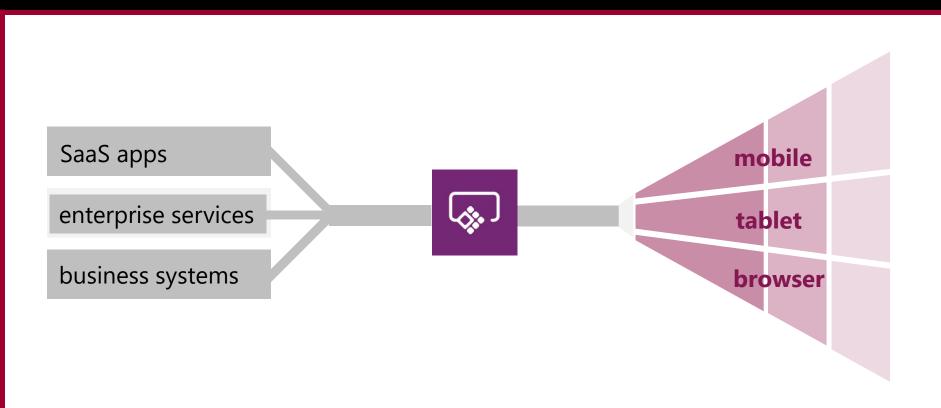
What can I build with PowerApps?

- Apps based on data
 - SharePoint*, SQL, but also DropBox and Google Drive
- One-dimensional, form-based apps
- Simple, single-task apps
- Microphone, camera, GPS coordinates. Ink and pen support.
- Multiple data sources in one app
- Multiple screens





High-level architecture





PowerApps clients

Web clients Mobile clients

Desktop clients, etc.

APIs













Mobile app



API app



Logic app



Web app

Other SaaS and cloud systems



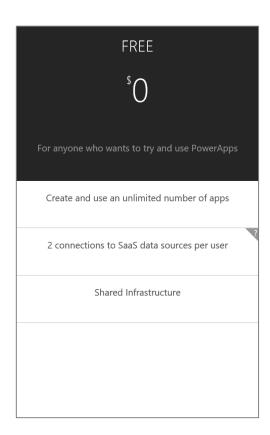


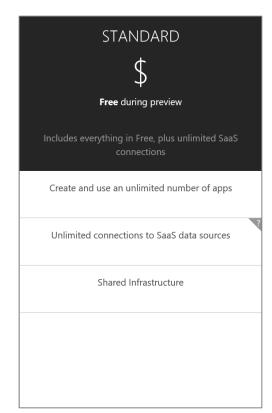
On-Prem systems

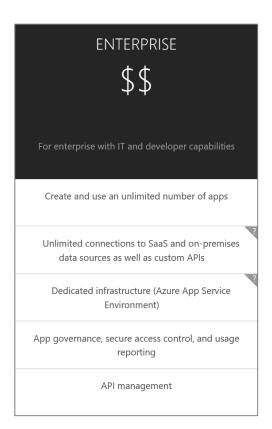




PowerApps Pricing Tiers









- ✓ Microsoft Flow
- ✓ PowerApps
- Common Data Model



Common Data Model

Organizational database in the cloud

- Entities define domain language
 - People = Employee, Team, Contractor...
 - Sales = Customer, Contact, Sales Order...
- Able to define custom entities
- Create relationships between entities

Id	Title	CustomerId	Orderld		
	1	<u></u>			
CustomerName	Locale	CustomerId	Orderld	OrderDate	Price



Summary

- ✓ Microsoft Flow
- ✓ PowerApps
- ✓ Common Data Model



- Microsoft Flow
- PowerApps
- Common Data Model

