

App in a Day

Business Application Platform

Power Apps, Power Automate & Common Data Service (CDS)

Eric Sauvé, XRM Vision



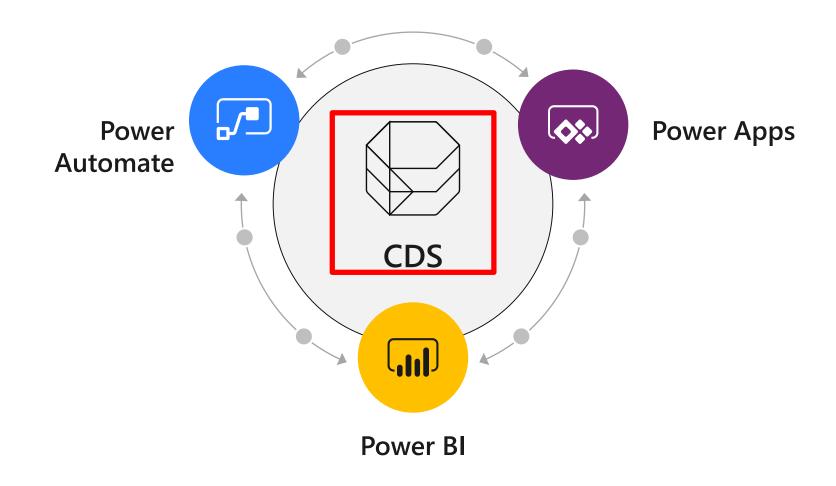


Common Data Service

Eric Sauvé, XRM Vision



Common Data Service



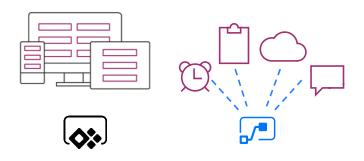
Common Data Service (CDS)

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

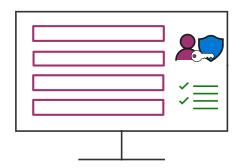
CDS is how Power Apps, Office, and the Dynamics suite of products integrate with a single system of record for business data







Build <u>Power Apps apps</u> and automate <u>workflows</u> against the data stored in CDS



Add <u>business rules</u> & <u>validation</u> Define <u>role-based security</u>

Common Data Service

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

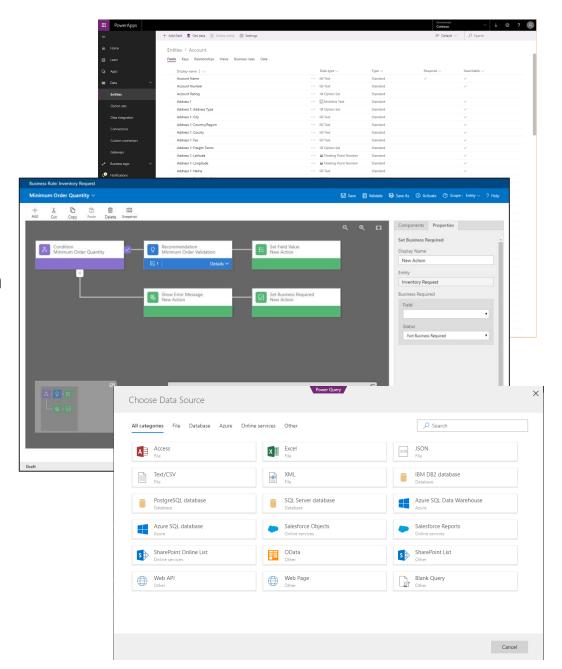
Create **calculated and roll up fields** to provide consistent calculations across apps

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 access from any pro-dev application

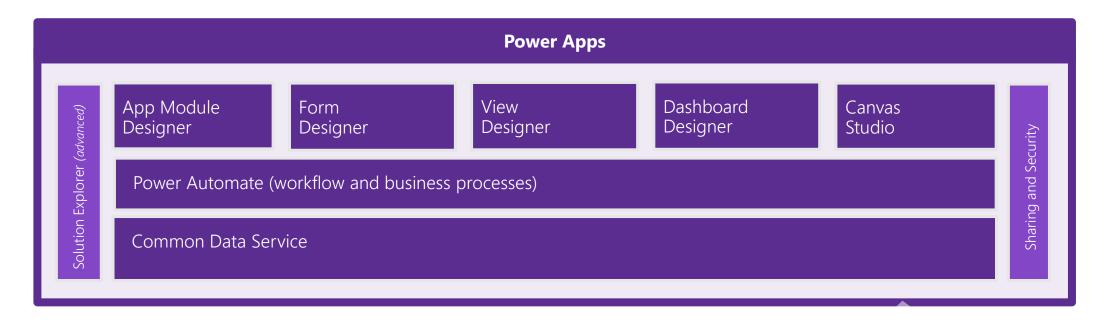


Unifying to one high-productivity application platform

Dynamics 365 applications

Customized Office 365 (e.g., SharePoint form) Standalone model-driven apps Standalone canvas apps

ISV apps



Common Data Service

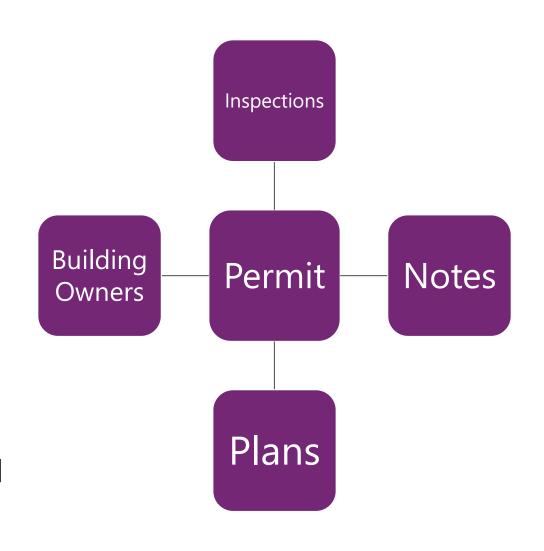
Securely store and manage business data

Model real world data with entities and relationships

Implements the Common Data Model

Role based security down to the field level

Logic and validation at the data level enforced across all consuming applications



Common Data Model

The **Common Data Model** (CDM) is a standard and extensible collection of schemas (entities, attributes, relationships) that represent business concepts and activities within well-defined semantics.

Customers, system integrators, and ISVs can build on and depend on these standard CDM definitions, and extend them to capture additional business-specific ideas.

Open Sourced at

https://github.com/microsoft/cdm

Common Data Model - Definitions Core **CRM** Account Sales Team **Product** Invoice InvoiceAging **AppSource** SuggestedProducts Talent . Finance & Operations, etc. Account Orders **Custom Entity Apps** Invoice InvoiceAging **Product** SuggestedProducts

Common Data Service

for Apps



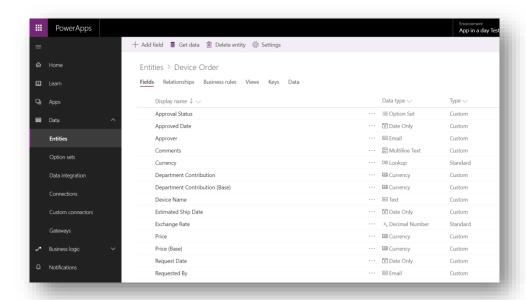
Hands-on-lab

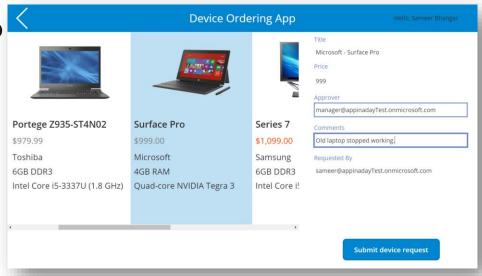
Module 2: Common Data Service



Lab objectives

- Provisioning a CDS database
- Getting familiar with standard entities
- Creating a custom entity
- Customizing entity fields and option sets
- Creating calculated fields
- Using the Canvas app form control to save data to CDS
- Using the Office365 connector to get user's manager info
- Configuring Canvas app settings
- Saving and sharing a Canvas app
- Running a Canvas app on a mobile device







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