Microsoft

App in a Day

Microsoft Power Platform

Power Apps

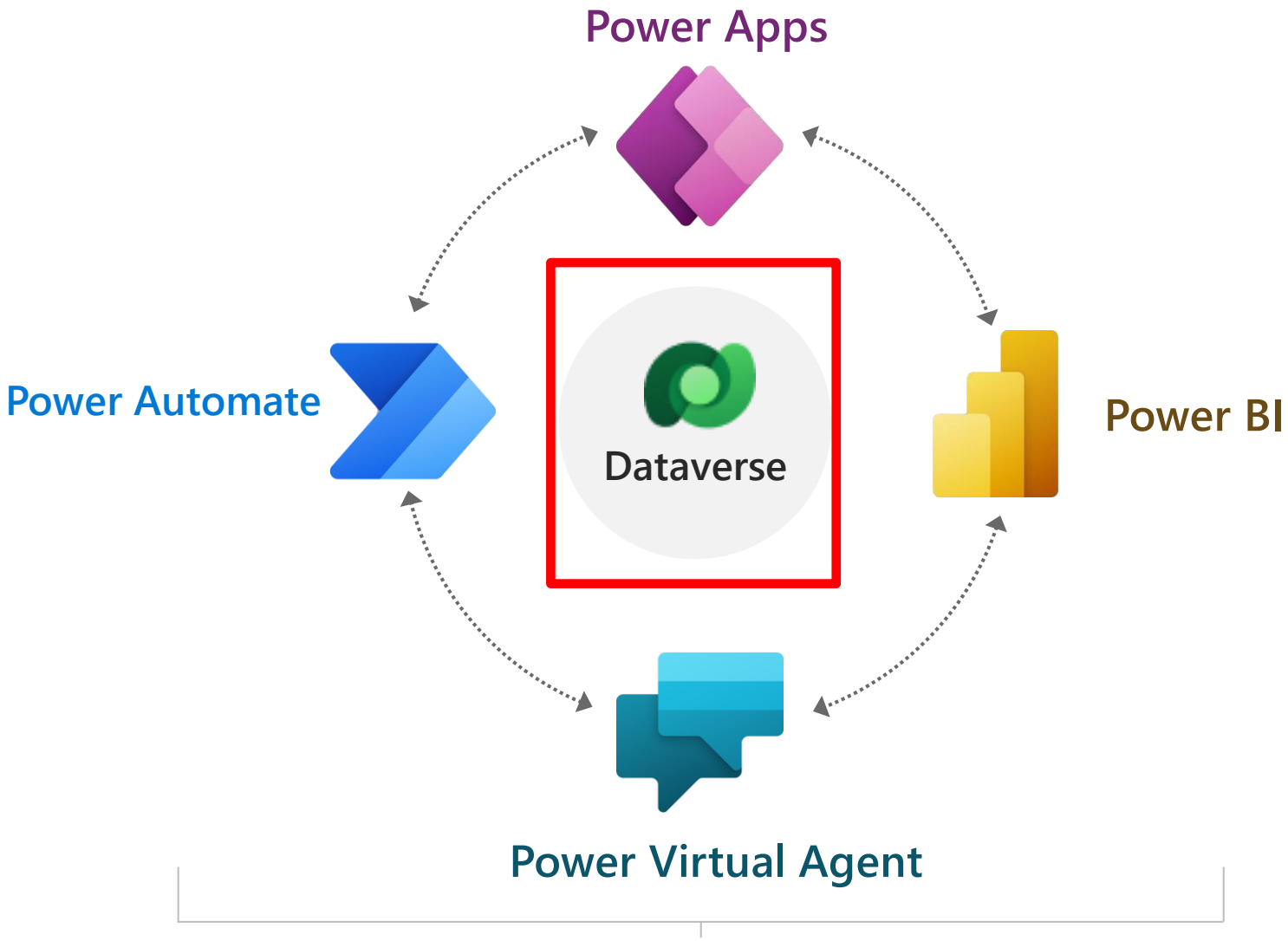
Power Automate

Microsoft Dataverse

Microsoft Power Platform

Module 2: Microsoft Dataverse

Microsoft Dataverse

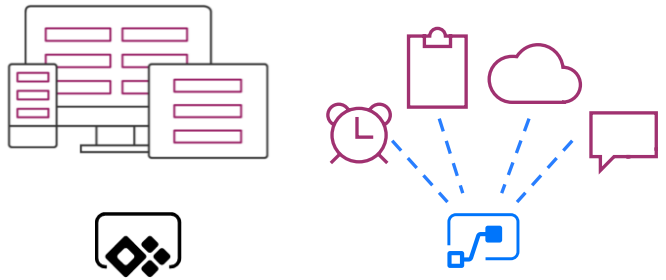


Dataverse

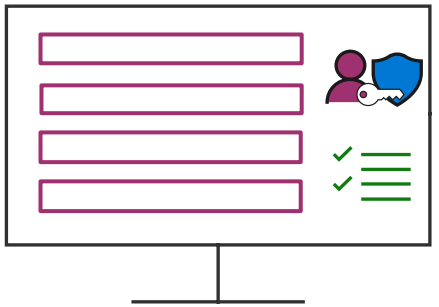
Allows you to securely store and manage the data used in apps

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

Store data in standard and custom tables with *rich metadata*



Build *Power Apps apps* and automate *workflows* against the data stored in Dataverse



Add *business rules* & *validation*
Define *role-based security*

Dataverse

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

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

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

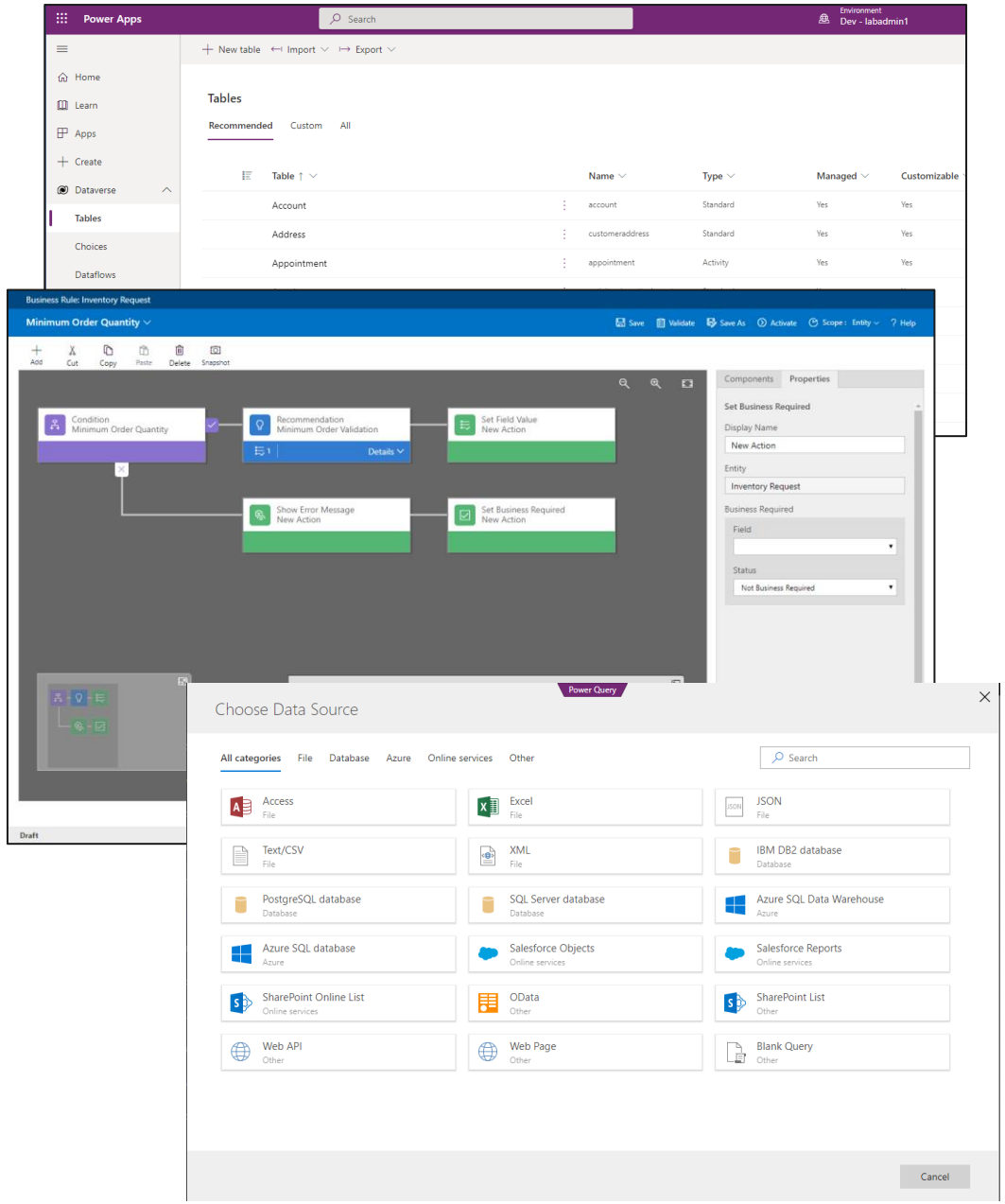
Create **calculated and roll up fields** to provide consistent calculations across apps

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

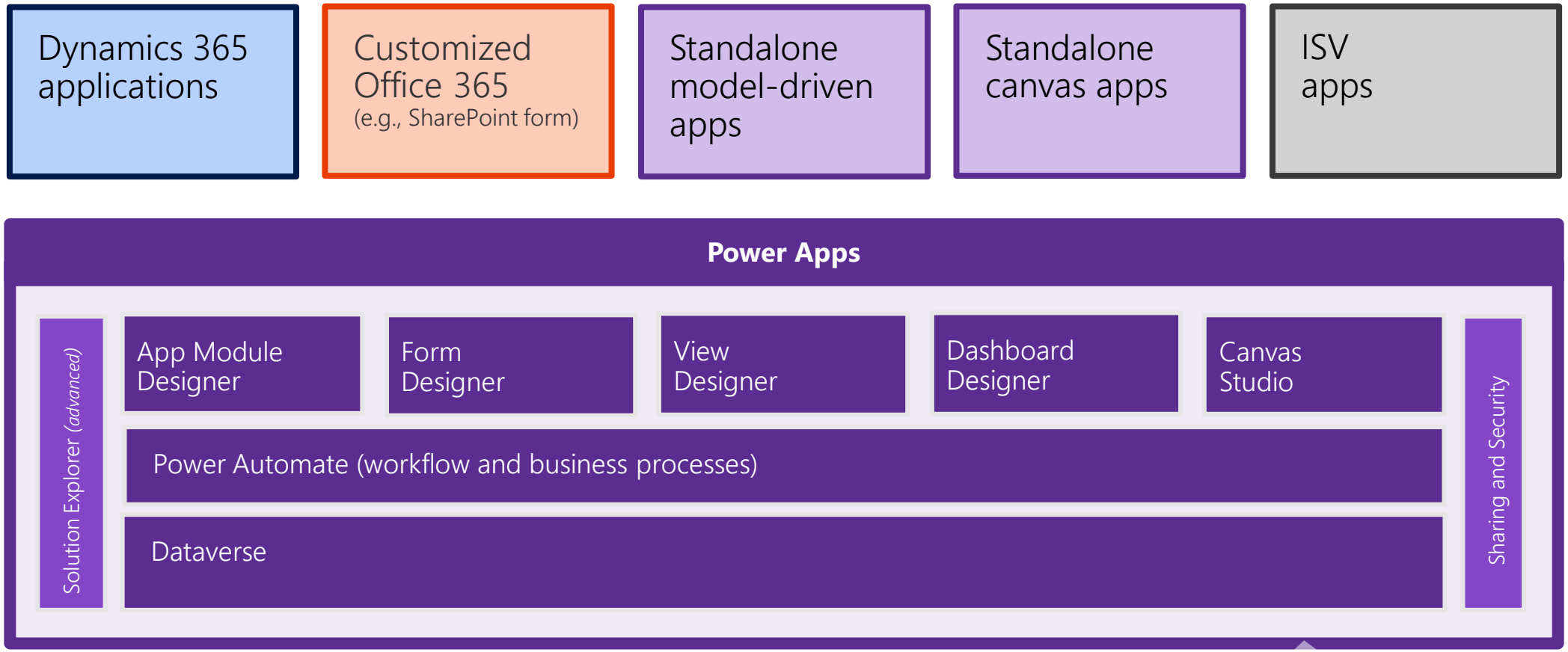
Easily **import and synchronize** your data using **Power Query**

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

Pro developers use APIs allowing Dataverse access from any pro-dev application



Unifying to one high-productivity application platform



Dynamics 365 data is natively on the platform – no integration required

Enterprise-grade Application Lifecycle Management

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

Dataverse details

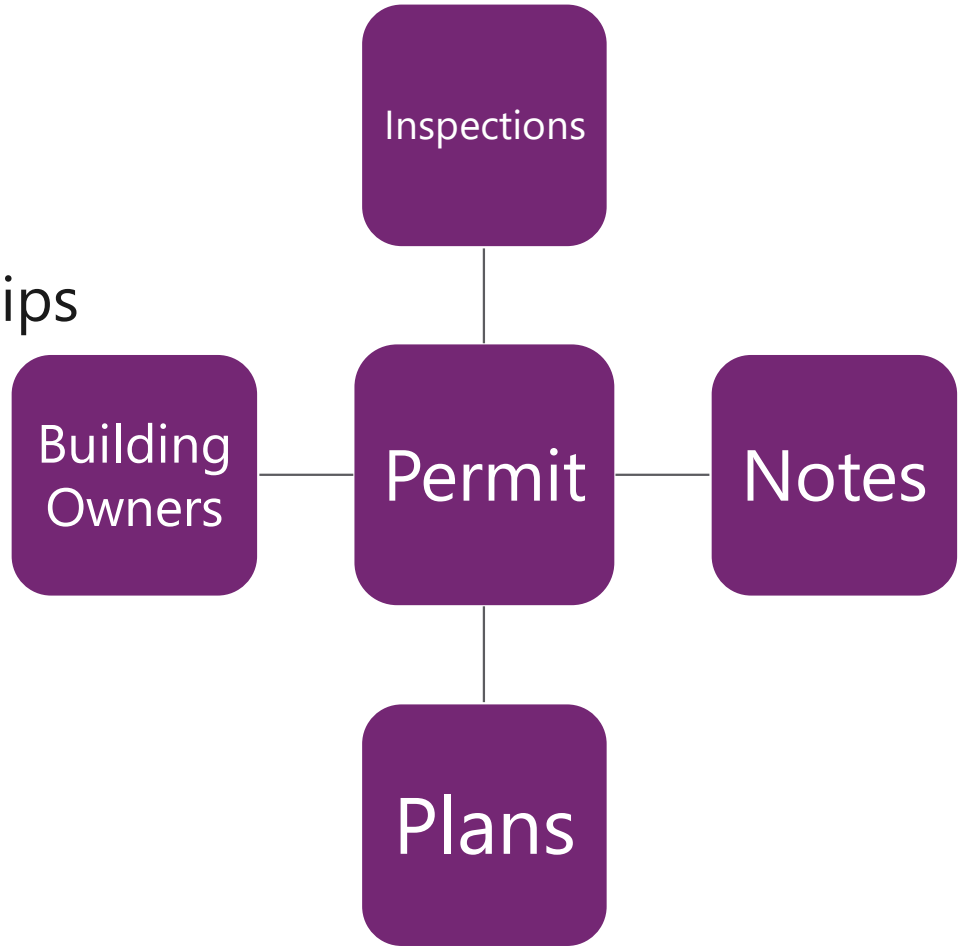
Securely store and manage business data

Model real world data with tables and relationships

Implements the Common Data Model

Role based security down to the column level

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

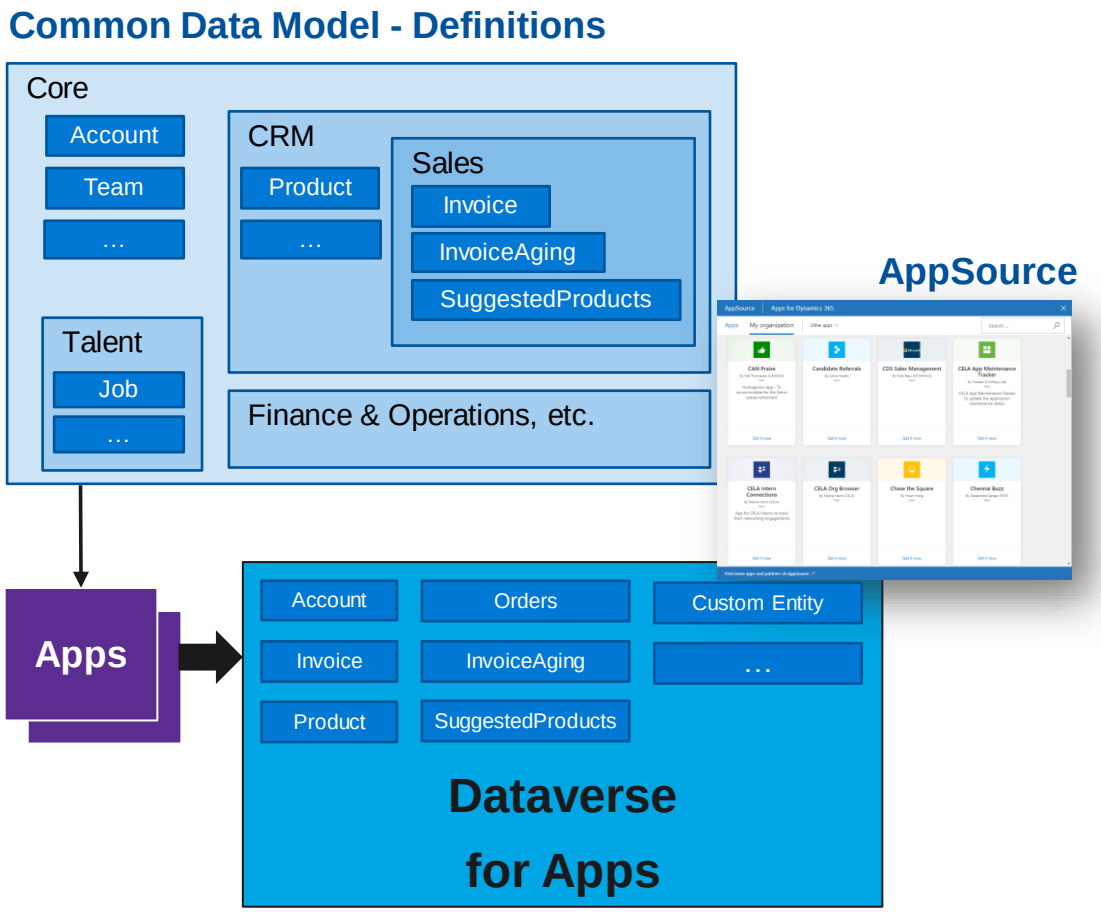


Common Data Model

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.

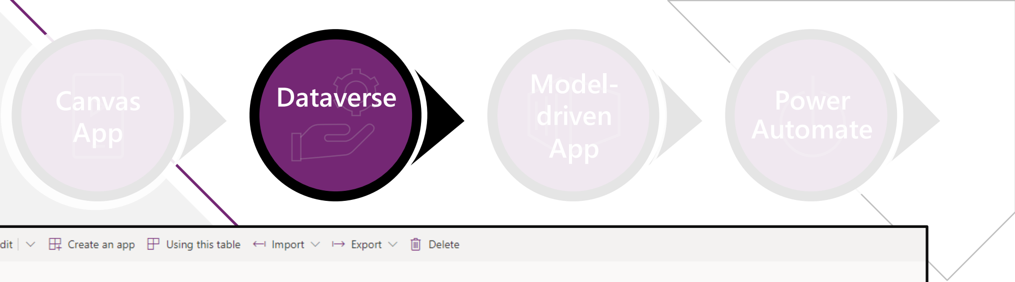
Open Sourced at https://github.com/microsoft/cdm



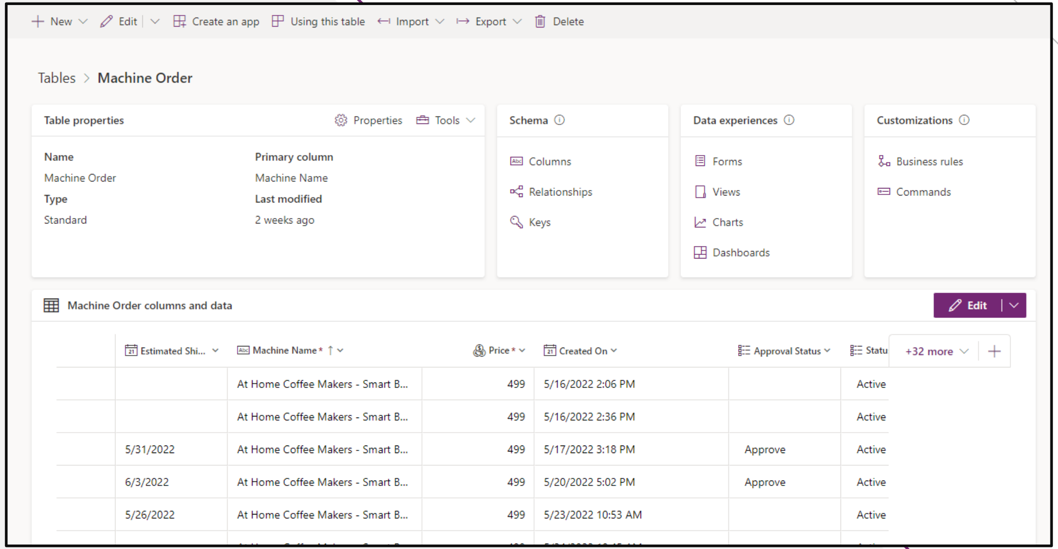
Microsoft Power Platform

Hands-on-lab 2

Module 2: Microsoft Dataverse

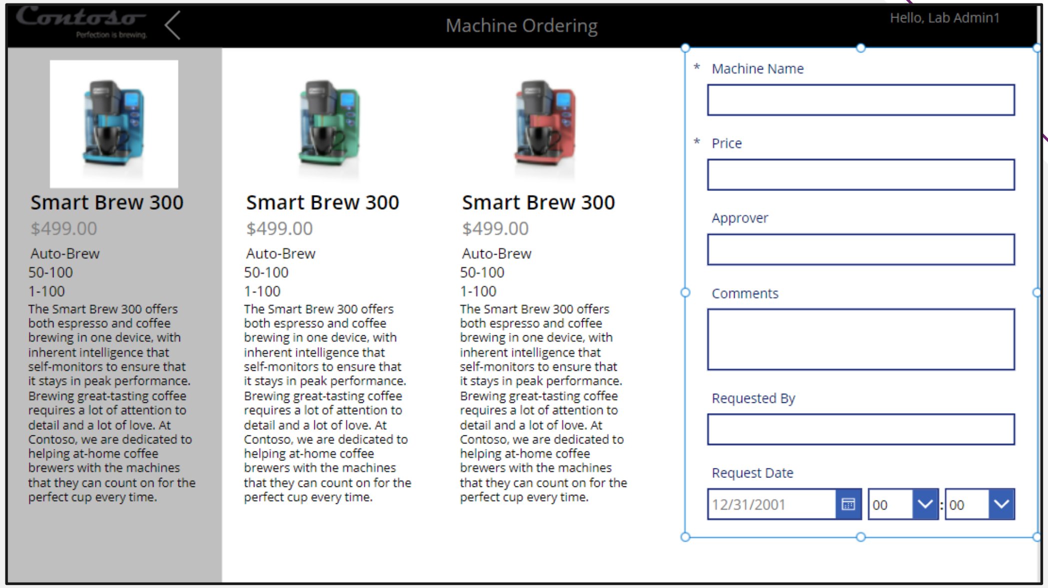


Module 2: Learning objectives



Work with tables

- Get familiar with standard tables
- Create a custom table
- Customize table columns and choices
- Create calculated fields



Work with canvas app

- Use the canvas app form control to save data
- Use the Office 365 connector to get user's manager info
- Configure canvas app settings
- Save and share a canvas app
- Run a canvas app on a mobile device