CDM in Dataflows

Power Apps and Power BI

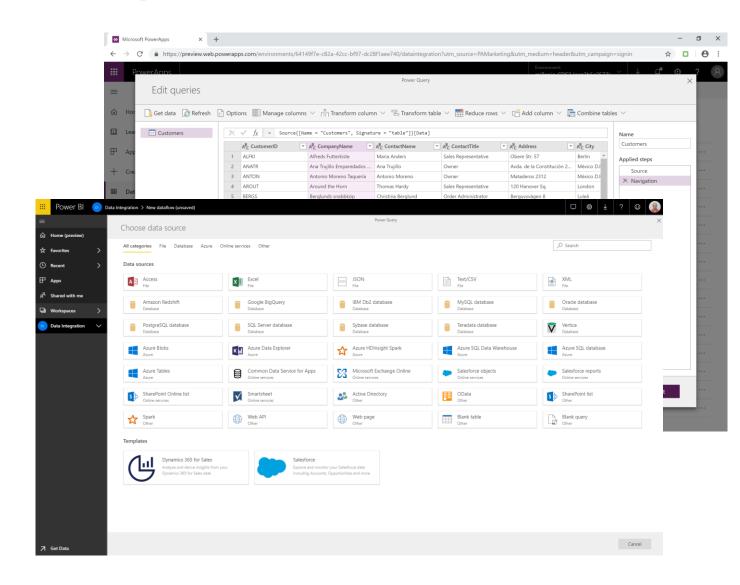


Dataflows use Power Query Online

 Power Query available as web-based selfservice data prep experience

 Supports the same set of 300+ transformations as desktop Power Query (M Engine parity level)

 Currently ~100 connectors, including cloud
 & on-prem data sources via the Onpremises data gateway

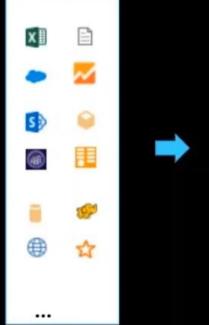


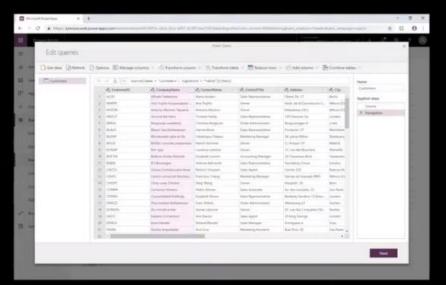


Authoring a dataflow



Get data from 100s of Cloud and On-premises data sources, extensible





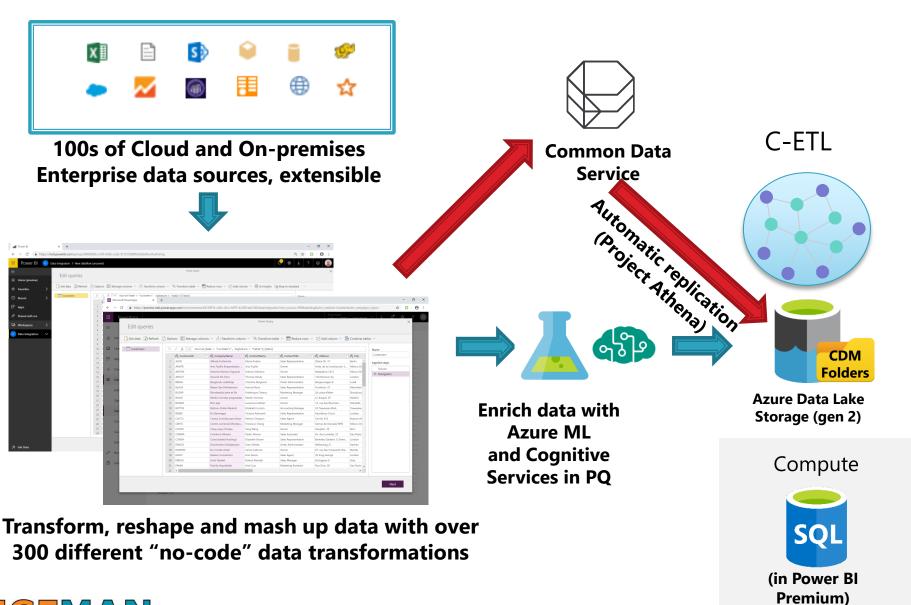
Transform, reshape and mash up data with over 300 different "nocode" data transformations

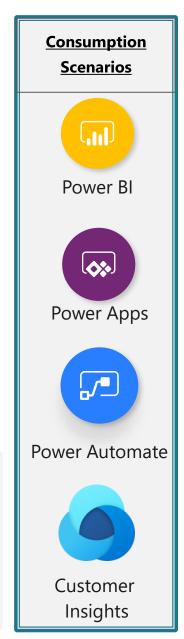
Select destination to store the output of a dataflow's execution



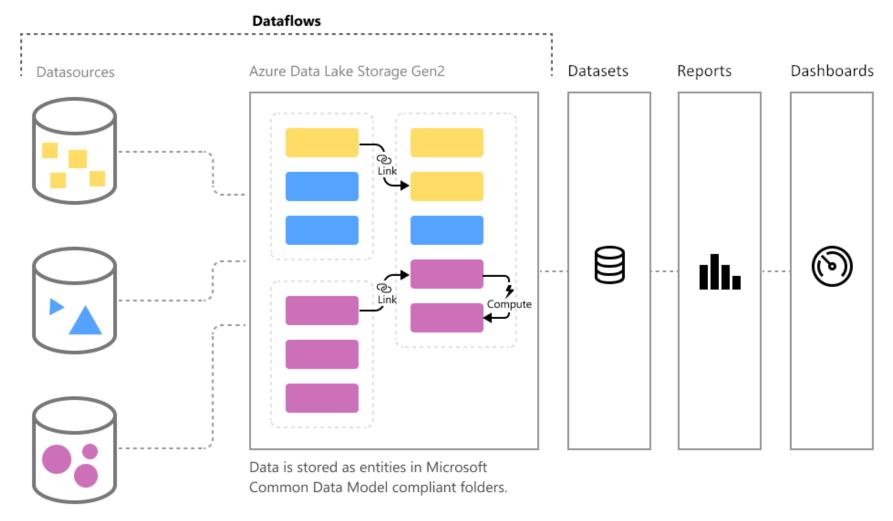
Dataflows – Overview







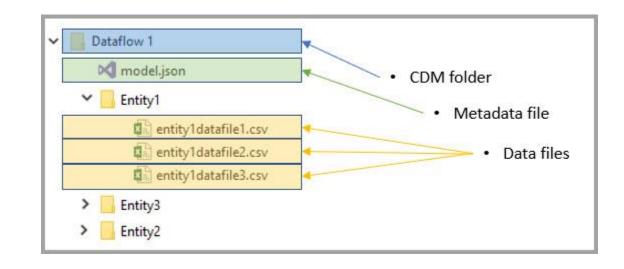
Dataflows are composable, just like Excel





CDM folder format

- Folder
- Metadata file model.json
 - Entity records
 - Attributes
 - Links to underlying data files
- ▶ Data files CSV
 - Well-defined structure and format
 - Entities
 - Partitions

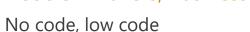


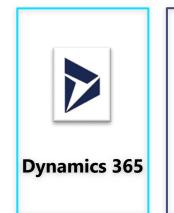
Common Data Models enable low friction collaboration today

Decision Makers, Business analysts <------

Data scientists, Data engineers

Low to high code







Power Platform dataflows





Office 365

Graph Data Connect



Custom LOB + Developer resources



Azure IoT



Azure Data Services









data ingest, data prep, Al, machine learning, data warehousing



Azure Data Lake Storage



ORANGEMAN









Profiles based on observational data



Transactional business data

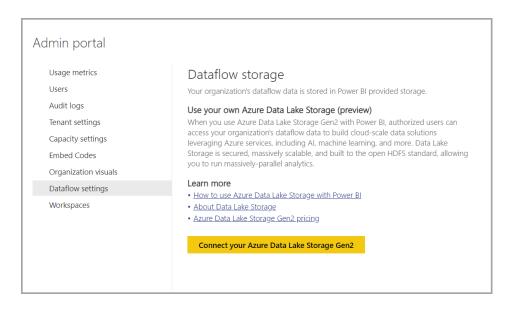






Azure Data Lake Storage

- Dataflows: save data to DLS
 - Built in DLS
 - Bring your own DLS



- Import CDM data from DLS
 - ISV partners industry accelerators
 - Azure Data Services





Industry Accelerator Partners

Automotive Sannata Soxio XAPT New frontier group Sikich. Adobe Incadea Crowe Horwath Sulling a better Sulling





Healthcare































Financial Services







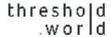








Nonprofit



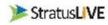






































Informatica Intelligent Cloud Services

Lands data as CDM folders in Azure Data Lake

Includes mapping to CDM standard entities

Attaches CDM folder automatically to Power Bl workspace



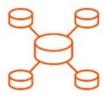
Realize the Power of Next-Gen Analytics

Modernize analytics with Al-driven data management to deliver business insights based on fast, discoverable, trusted, and harmonized data.



Accelerate Analytics in Azure Data Lake Storage Gen2

Enable Power BI users to perform ad hoc analytics and data experimentation at scale on Azure using harmonized data delivered by Informatica AIenhanced cloud data management and Microsoft Common Data Model (CDM).



Operationalize BI in Azure SQL Data Warehouse

Modernize your enterprise data warehouse with intelligent curation of structured data in Azure SQL Data Warehouse so your Power BI users can deliver operationalized BI, such as executive dashboards and monthly reporting.

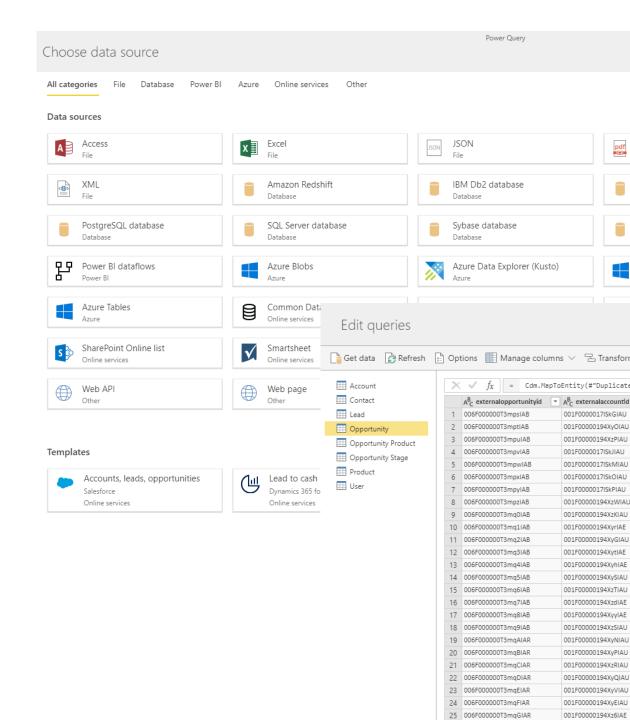


Discover & Understand Data for Analytics

Empower your Power BI users to easily and intuitively find and understand relevant and trusted data in Azure Data Services and Azure SQL Data Warehouse—as well as other data assets across the enterprise—using an AI-driven data catalog.

CDM in Dataflows

- Dataflows allow customers to bring in data from a variety of disparate sources
- Leveraging **Power Query Online**, same technology in Excel and Power BI, visually transform and combine data sources in a no-code/low-code experience
- Map the resulting data to a standard Common Data Model entity, or create a new entity that can be related back to the standard
- Out-of-box templates to certain sources makes the process even easier, with options to customize if necessary



Premium Dataflows features

- Linked Entities
 - Reference other entities inside or between workspaces
 - Reuse entities
- Computed Entities
 - Enrichments and transformations on other referenced entities
 - Uses In-storage computations

- Enhanced compute engine
 - Drastically reduces the refresh time
 - DirectQuery queries over entities
 - Uses SQL DB under the hood
- Parallel execution
- Incremental refresh

