Microsoft Power Platform

Your business at (hyper)scale with Power Apps and Dataverse

Oleg Ovanesyan
Principal Program Manager
Microsoft

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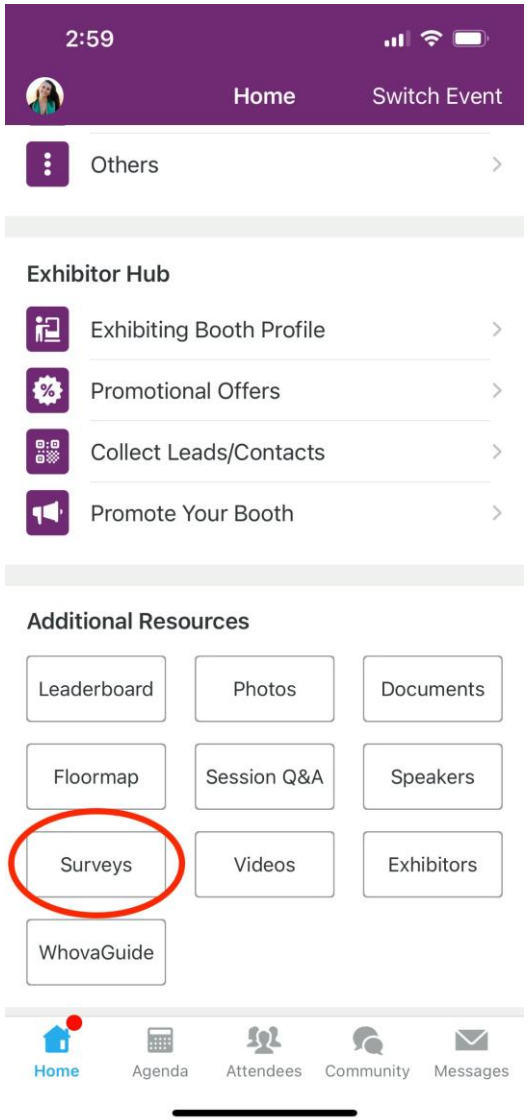

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Agenda

Hyper(scale) Dataverse - How Dataverse helps to scale your business

Use of Power Platform Dataflows to load data into Dataverse at scale to enable Apps

Long term retention – cost-effective regulatory compliance and historic reporting

Elastic tables - load data at high scale fast

Hyperscale to any business workload

Unlimited scale and storage	Performance	Long term retention
Increased operational efficiency and storage cost management	High speed, low-latency data ingestion	Unlock app and data agility for all business applications

One platform, endless possibilities

'One size fits all'

- Dataverse grows with business
- Build apps and analytics in real time with all skill levels and any data scale
- IT advantage of Power Platform on Dataverse
- Dataverse continues to protect your data from emerging risks, keep it compliant and retain relevant data over time

Activating Enterprise Data is complicated

Challenges for IT

- Data Compliance
- Development Costs
- Data Governance
- Technology Agility

Challenges for employees

- Data Access
- Data Silos
- Data Literacy
- Business Agility

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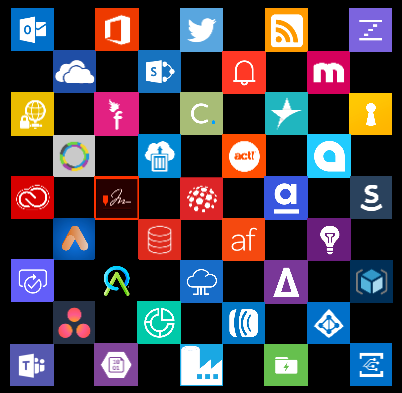
1000+ shared connectors



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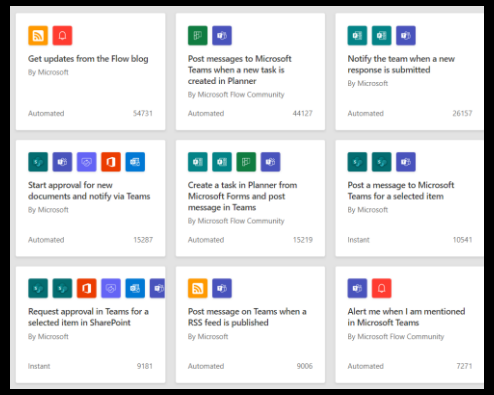
Enterprise app templates



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Leverage the best of the platform

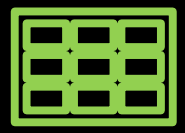
- Leverage data where it is – Virtual Tables
- AI to assist data migration
  - ETL with Power Platform Data Flows
  - Access2Table(s)
  - Excel2Table
- Generate Insights and Extend through Microsoft Fabric

Enterprise grade scale with Dataverse

Unlimited scale and storage

Long Term Retention

Elastic Tables



Dataflows Templates

- Easily ingest data from different data sources with data flow templates
- Support high volume highly scalable enterprise scenarios with Dataverse Elastic tables
- Save $ on in-active data

What's NEXT

- Solution aware Power Platform Dataflows
- Dataverse API to manage PP Dataflows
- Elastic tables (GA end of CY)
- Long term retention – GA Oct

Context and storyline

Contoso is a major retail company that has a fast-growing loyalty program driving increased business transaction and data growth. The program has over 41TB of data and is quickly becoming costly to maintain and support multiple data sources from external and third-party systems including SAP.

Today they must use multiple processes to extract data across several environments, store that data into a single environment, build extensive adaptors and plugins to get high performance access to the data and then use a manual process to offload the data onto another system for their auditing and analytics that supports their long-term retention policies and guidelines.

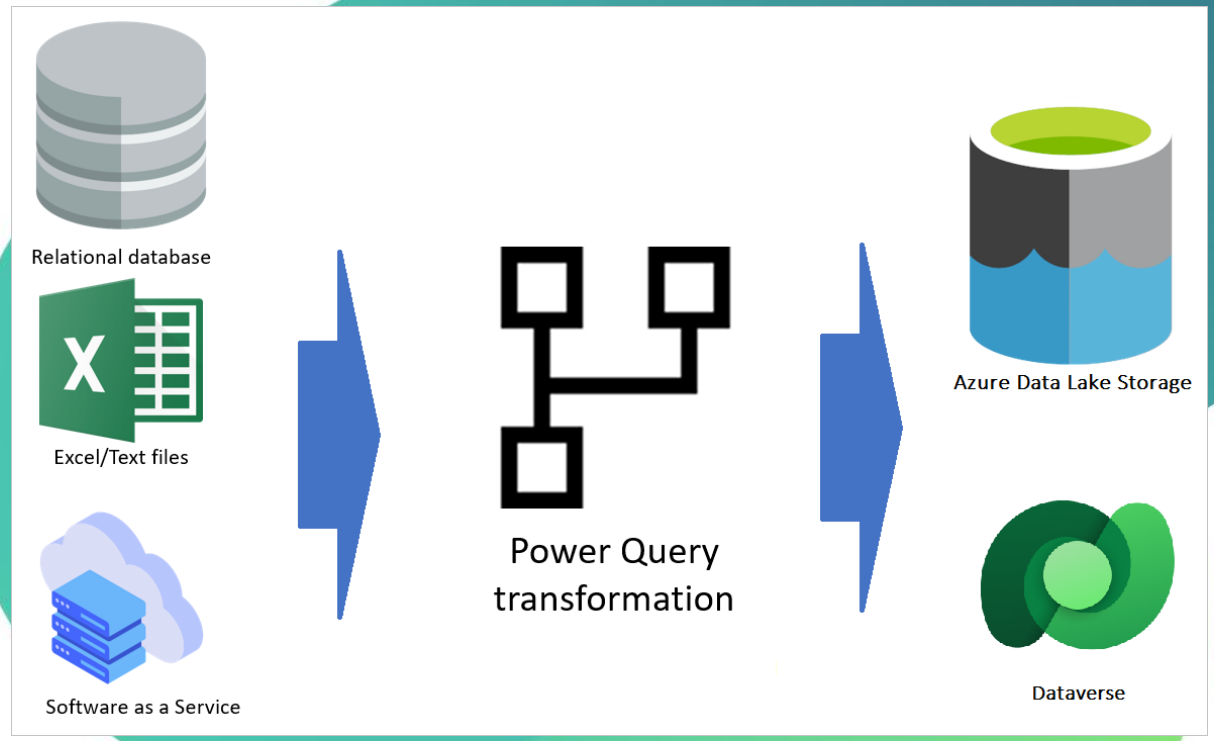
Dataverse Hyperscale can help solve many of their issues in a cost-effective way from data importing, to high capacity and throughput that incorporates security and governance along with user access to data with Power BI integrations to their applications and long-term retention of data that helps drive efficiencies across their platform and environment.

Hyper(scale) Dataverse

Demystify Power Platform Dataflows

What are Power Platform Dataflows

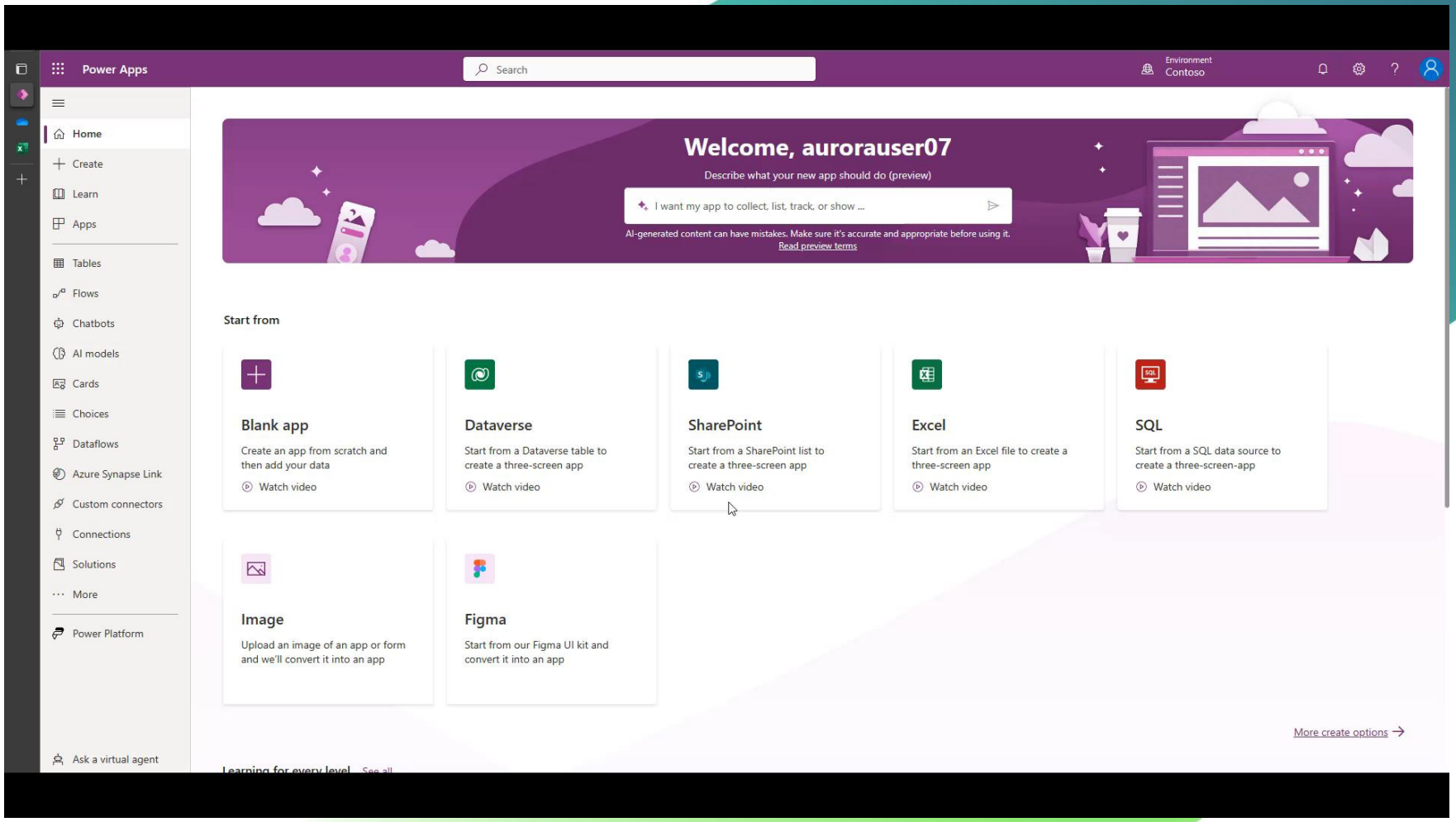
- Dataflows are a self-service, cloud-based, data preparation technology.
- Dataflows enable customers to ingest, transform, and load data into Microsoft Dataverse environments, Power BI workspaces, or your organization's Azure Data Lake Storage account.
- Dataflows are authored by using Power Query, a unified data connectivity and preparation experience already featured in many Microsoft products, including Excel and Power BI.
- Customers can trigger dataflows to run either on demand or automatically on a schedule; data is always kept up to date.



Use Power Platform Dataflows

Benefits of Power Platform Dataflows

- Incorporate existing data into Dataverse
- Build apps and create quick and easy visualizations of the data
- Free up business users from complexities of building data pipelines
- Help IT pros to build data pipelines for business users
- Use well known Excel, Power Query and Dataverse



Dataverse Long Term Retention

Dataverse Long Term Retention

- Securely retain historical data long term in Dataverse
- Reduce historical data in live application and database capacity consumed
- Avoid IT investment to build and maintain custom solutions
- Save 50% or more on every GB moved to Dataverse LTR (based on preview)

Dataverse Elastic Tables

Dataverse Elastic Tables

- Handle large data volumes in real-time with high throughput/storage and low latency requirements.
- Leverage existing investment by creating relationships between Elastic tables and standard tables.
- Time to live values for auto removal of large volumes of data with short data-life
- Store and query data with flexible schema (Json format attributes) without the need for pre-defined schemas

Reference and call to action

Documentation

- An overview of dataflows across Microsoft Power Platform and Dynamics 365 products - Power Query | Microsoft Learn
- Importing and exporting data - Power Apps | Microsoft Learn
- Dataverse long term data retention overview - Power Apps | Microsoft Learn
- Elastic tables for developers (preview) - Power Apps | Microsoft Learn
- Create and edit elastic tables (preview) - Power Apps | Microsoft Learn

Call to action

- Move data into Dataverse using Power Platform Dataflows
- Create and use Dataflow templates
- Define data candidates and implement Long Term Retention practice
- Use Elastic Tables to move large data into Dataverse fast

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