

Power BI Update



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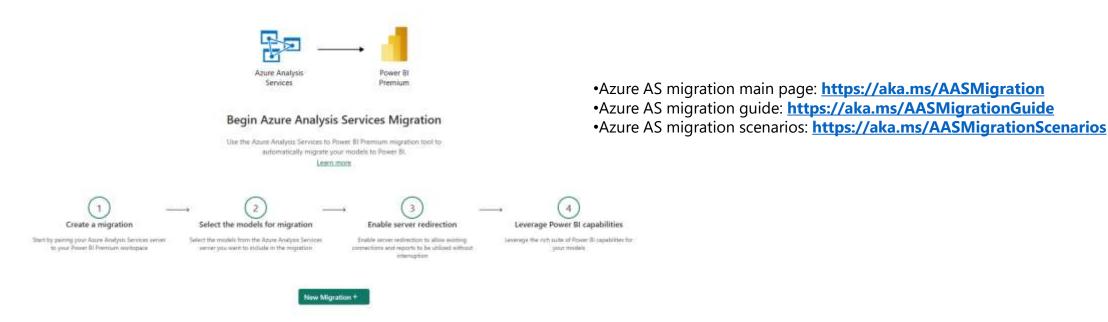


https://github.com/anbened



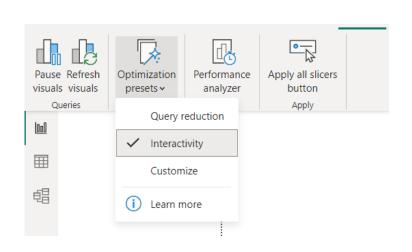
Migration from AAS to Premium

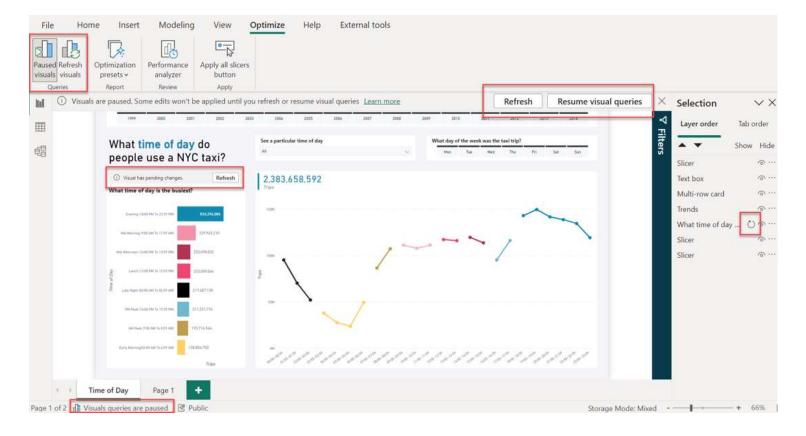
Migrate semantic models from Azure Analysis Services (AAS) all the way to Fabric,
 Power BI Premium or Power BI Embedded in just a few clicks! Additionally, redirect existing reports to the migrated dataset



Optimize ribbon in PBI Desktop

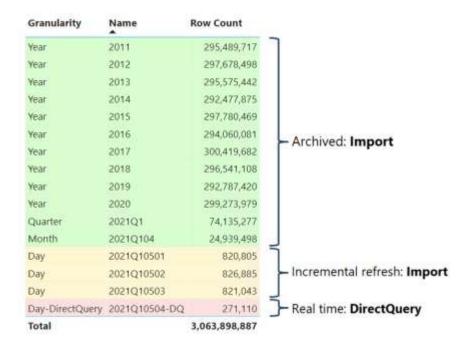
• The Optimize ribbon can help you improve your report authoring experience with three main features: Pause visuals, Optimization presets, and the Apply all slicers button.





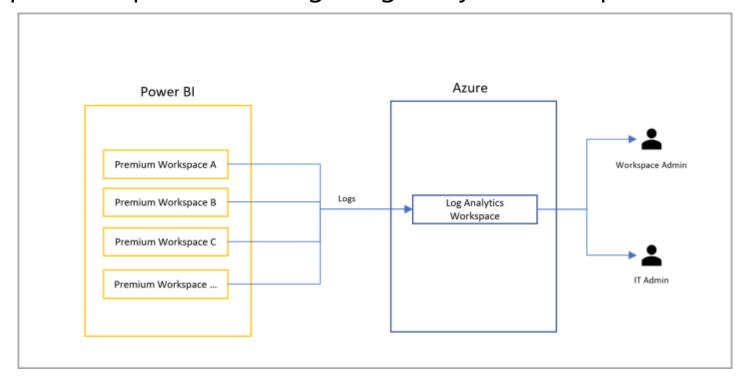
Hybrid tables

 Hybrid Tables, an advanced partitioning feature that lets you combine import mode and DirectQuery mode in a single table.



Azure Log Analytics for Power BI Dataset

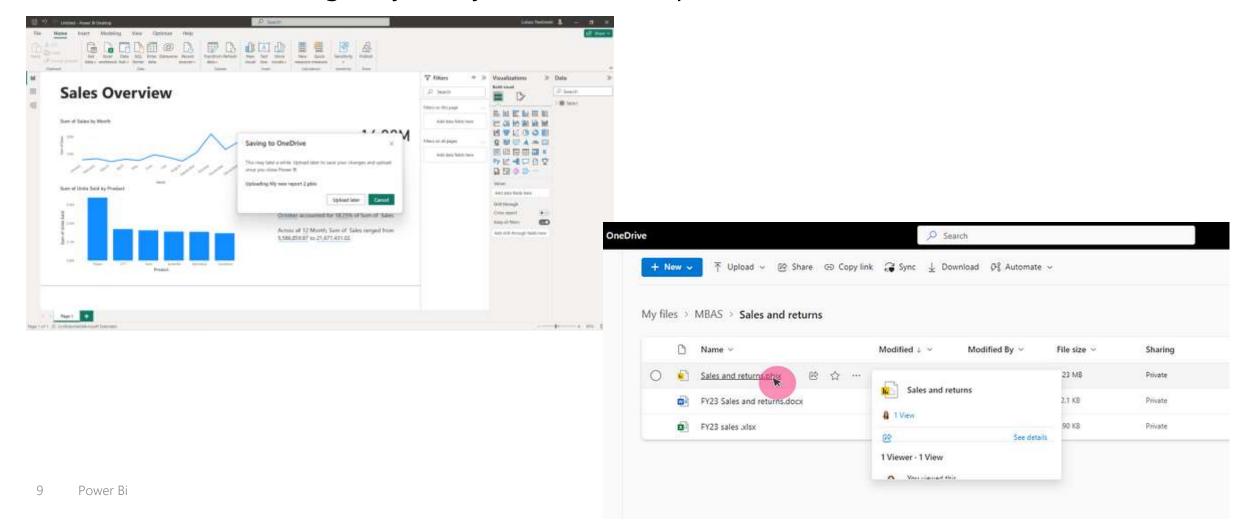
• With this announcement, we have lifted the limitation and customers can now connect multiple workspaces to a single log analytics workspace.





Work seamlessly in Power BI Desktop with files in OneDrive and SharePoint

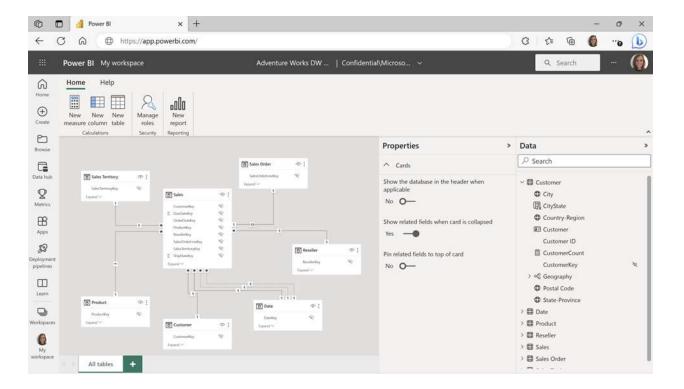
• These new capabilities help authors with file versioning, collaborating with other authors, and ensuring they always have a backup of their files in the cloud.



Edit your data model in the Power BI Service 1/2

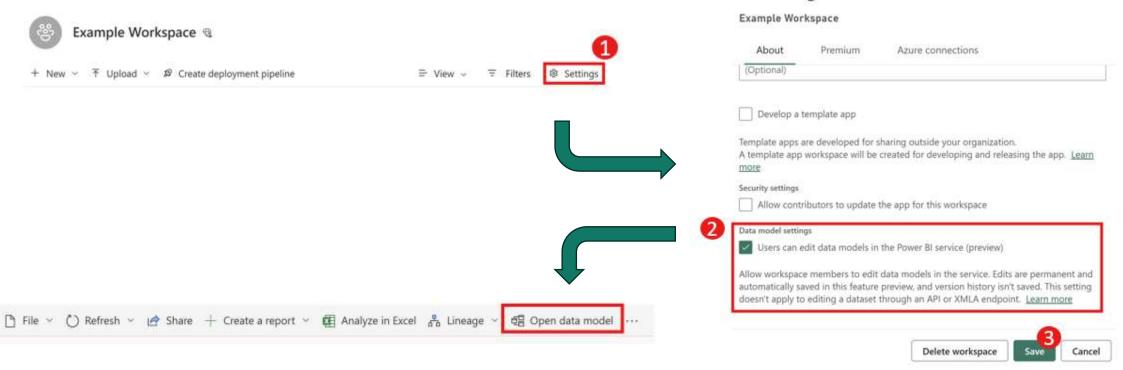
• Introducing data model editing on the web! A first step towards modeling parity in the Service. This feature is automatically turned on for datasets stored in My

Workspace.

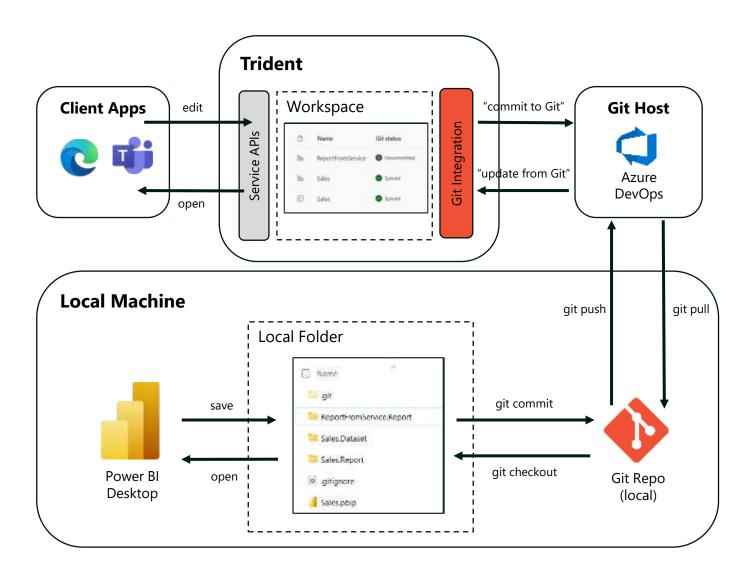


Edit your data model in the Power BI Service 2/2

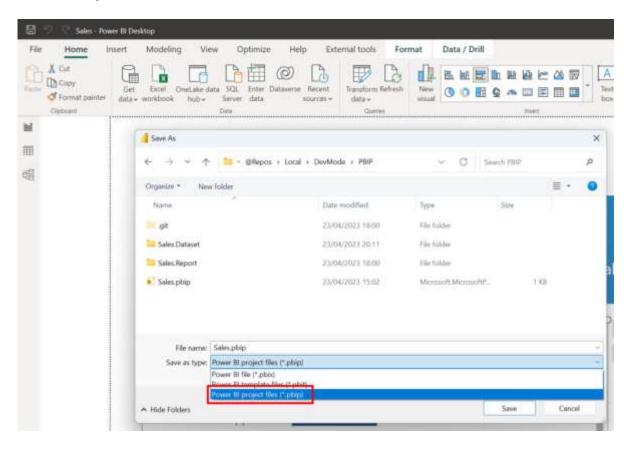
This feature is automatically turned on for datasets stored in My Workspace. To try
this experience in a collaborative workspace please turn on the Workspace level
preview switch under workspace settings:

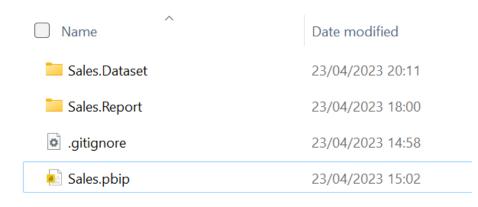


Settings

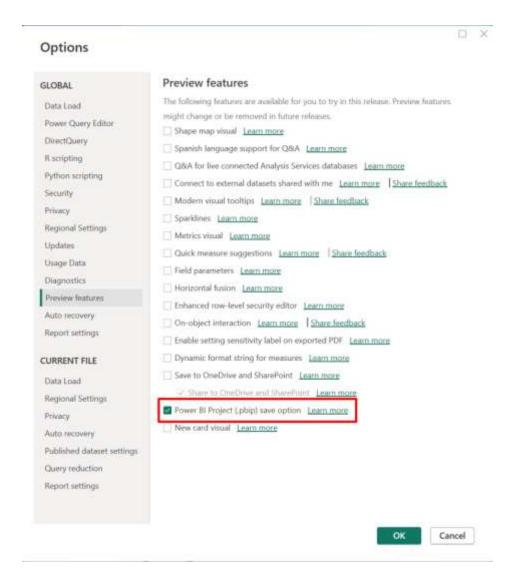


- 1. Power BI Desktop now lets you save your work as a Power BI Project (PBIP)
 - Report and dataset artifact definitions are saved as individual plain text files in a simple, intuitive folder structure





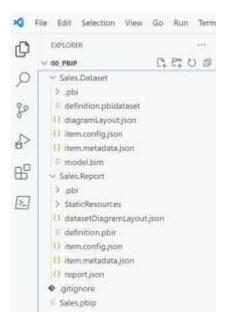
- Saving as a Power BI Project file is in Preview
- Go to File > Options and settings > Options >
 Preview features and check the box next to "Power BI Project (.pbip) save option".

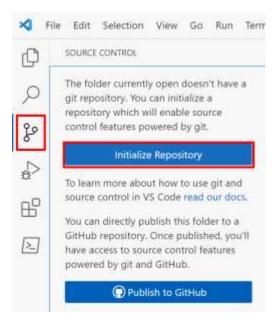


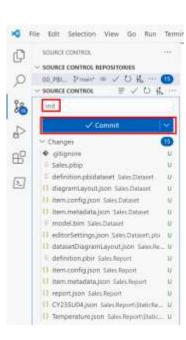
Power BI Developer Mode with Fabric Git Integration

If you are new to Git, please refer to the following training courses to learn the basics:

- •Introduction to Git Training | Microsoft Learn
- •Use Git version-control tools in Visual Studio Code Training | Microsoft Learn
- •Collaborate with Git Training | Microsoft Learn
- •Branching and merging in Git Training | Microsoft Learn



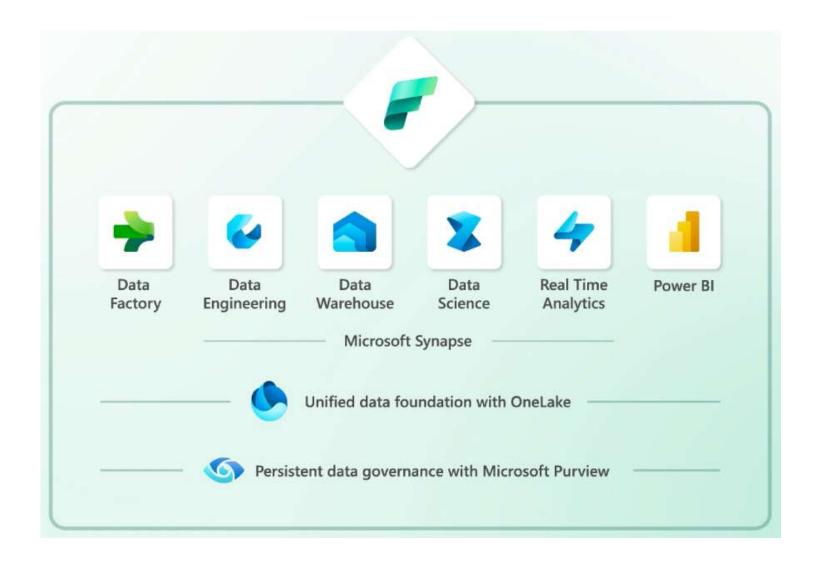








Microsoft Fabric



Still far too complex

Many Products

Different Experiences

Proprietary and Open

Dedicated and Serverless

PaaS and SaaS

Different Business Models

Steep Learning Curves

Deep Expertise Needed

High Integration Effort



Purview



Power BI



Kusto



Data Factory



Azure Al



Synapse DW



Synapse Spark

Analytics vNext



From to collection of products, to...-

Microsoft Fabric

















Data Integration Data Lake Spark Engines

Data Warehouse Real Time Analytics Data Science Business Intelligence Governance

Unified analytics fabric

End-to-end analytics data fabric From the data lake to the business user

Microsoft Fabric

End-to-end analytics data fabric From the data lake to the business user

Complete Analytics Platform

Everything, Unified

SaaS-ified

Azure OpenAl Assisted

Lake centric and open

OneLake

One Copy

Always Synched

Empower Every Office User

Familiar and intuitive

Built into Office

Insight to action

Pervasive security and governance

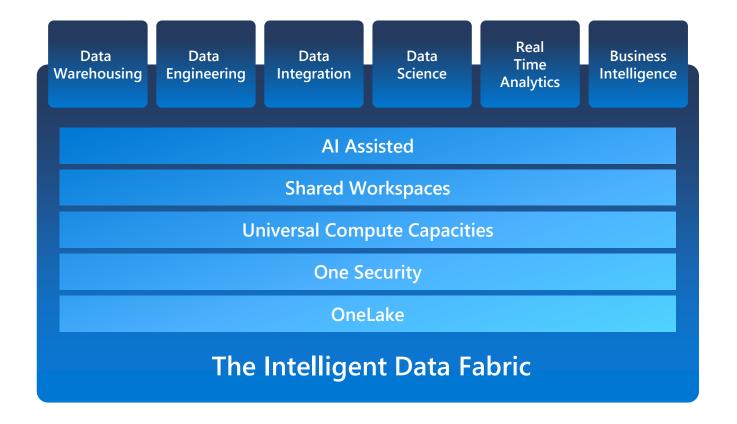
End to end visibility

Always governed

Secure by default

Unified analytics fabric

End-to-end analytics data fabric From the data lake to the business user



Single...

Onboarding and trials

Sign-on

Navigation model

UX model

Workspace organization

Collaboration experience

Data Lake

Storage format

Data copy for all engines

Security model

CI/CD

Monitoring hub

Data Hub

Governance & compliance

Ad personam experience...

Data Warehousing

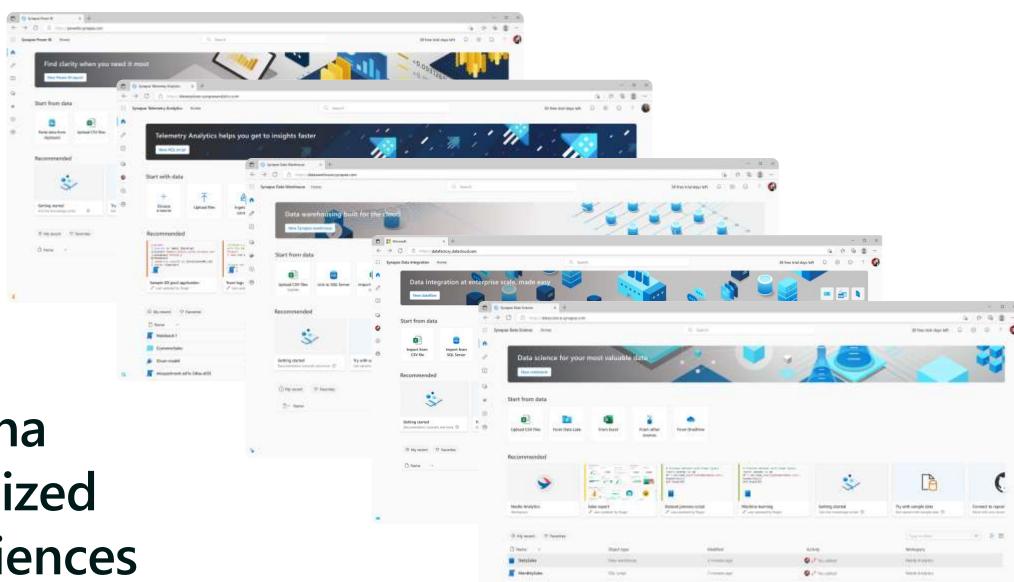
Data Engineering

Data Integration

Data Science

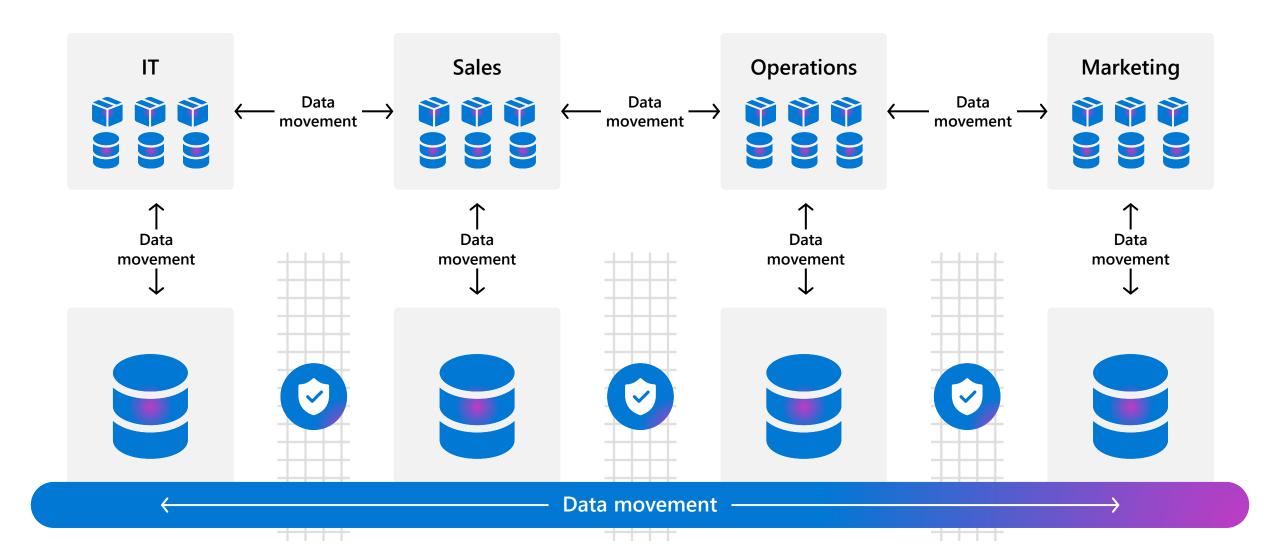
Real Time Analytics

Business Intelligence



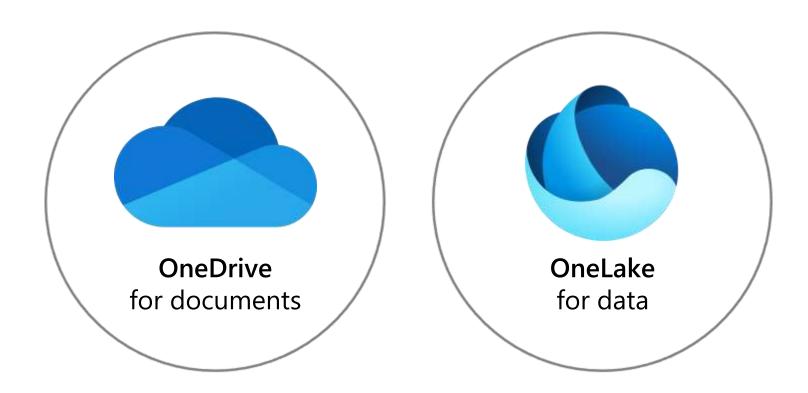
Persona optimized experiences

Today: Multiple siloed lakes with lots of duplication



OneLake for all data

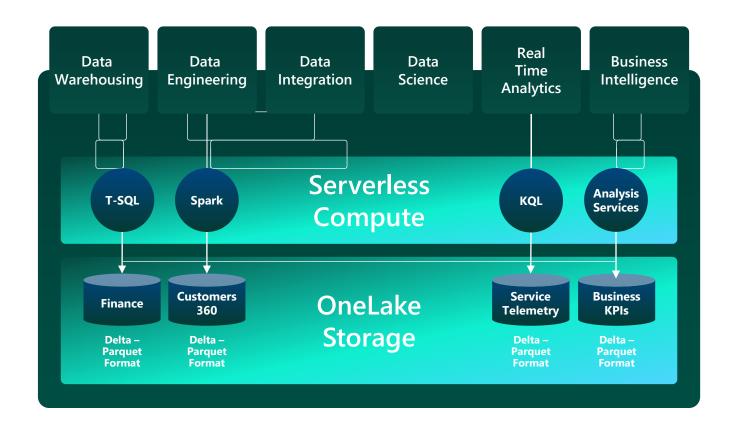
"The OneDrive for data"



OneLake provides a data lake as a service without you needing to build it

One Copy for all computes

Real separation of compute and storage



All the compute engines store their data automatically in OneLake

The data is stored in a single common format

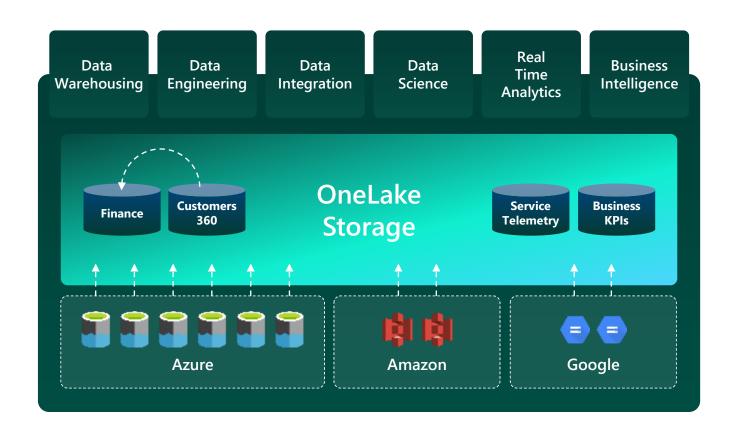
Delta – Parquet, an open standards format, is the storage format for all tabular data in Analytics vNext

Once data is stored in the lake, it is directly accessible by all the engines without needing any import/export

All the compute engines have been fully optimized to work with Delta Parquet as their native format

Shared universal security model is enforced across all the engines

One Copy from all sources



Sharing data in OneLake is as easy as sharing files in OneDrive

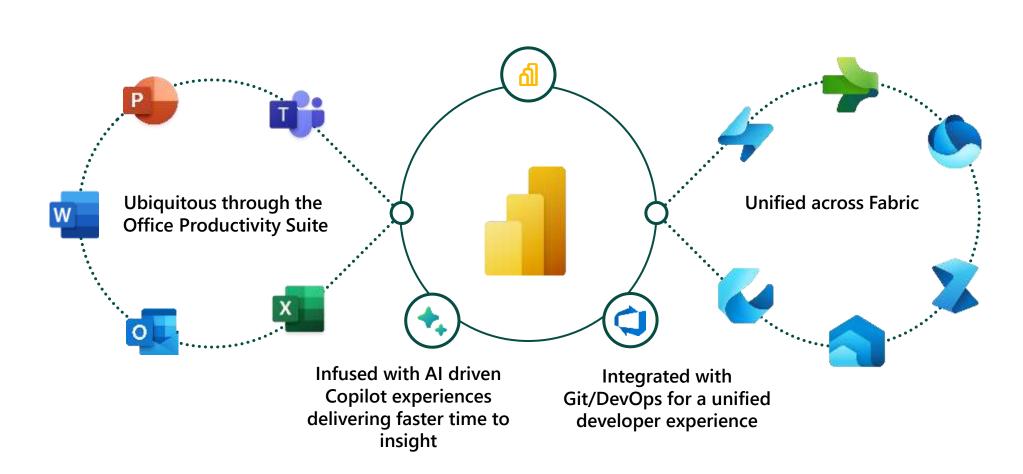
With shortcuts, data throughout OneLake can be composed without data movement

Shortcuts also allow linking of data in Azure, AWS, and GCP, without any data duplication, making OneLake the first multi-cloud data lake

With industry standard APIs, OneLake can be accessed by any application or service

PBI Strategy

Be the undisputed leader in ease of use, depth of data visualization and analysis capabilities



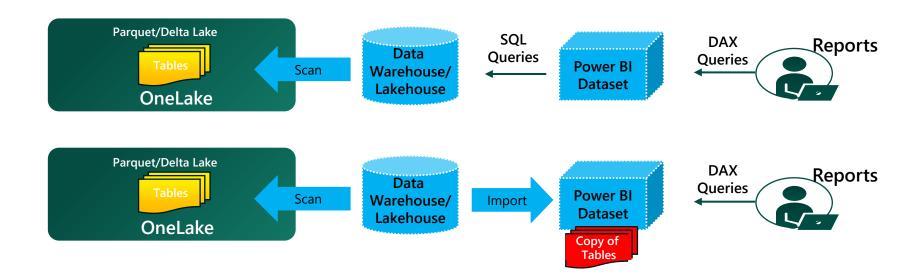
PBI Data Read

"Direct Query Mode"

Slow, but real time

"Import Mode"

Latent & duplicative but fast

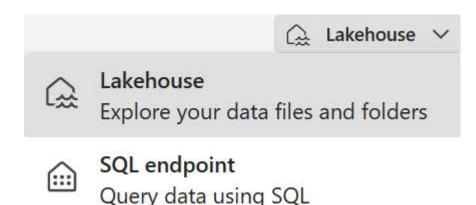


"Direct Lake Mode" Perfect!



PBI Direct Lake Mode

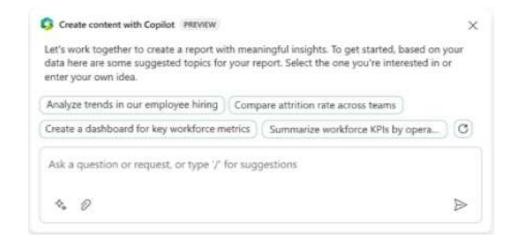
Several Benefits



- Improved query performance
 - queries are executed directly on the Delta tables
 - performance is similar to the import mode
- Automatic detection of changes
 - Any changes made to the Delta tables are automatically detected
- Compatibility with other compute engines
 - Power BI is just one compute in the Fabric ecosystem
 - Other compute engines like Spark notebooks, data warehouses, and Kusto can also access the same Delta tables
- Reduced data movement
 - Data does not need to be copied or refreshed as frequently as in the import mode

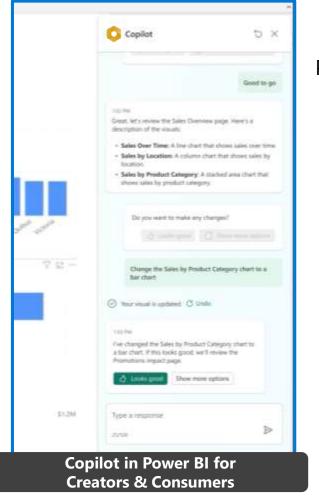
Introducing Copilot in Power BI

Transformational chat-based experiences that guide and interact with users to deliver faster time to insight within specific end-to-end scenarios



Introducing Copilot in Power BI

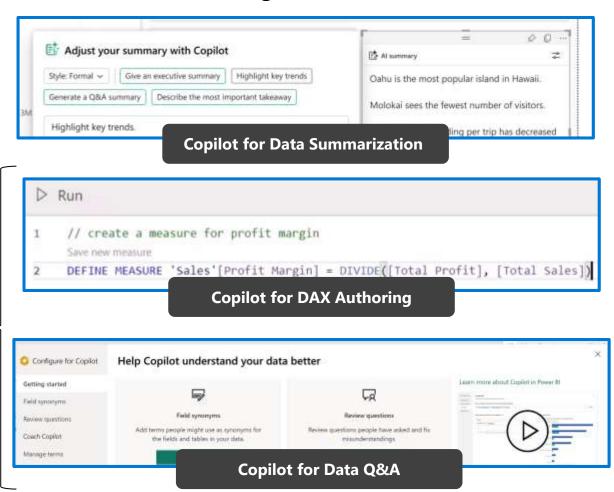
Chat based Copilot experiences



Private Preview Fall 23

Private Preview Winter 23

Contextual experiences enhancing Power BI features



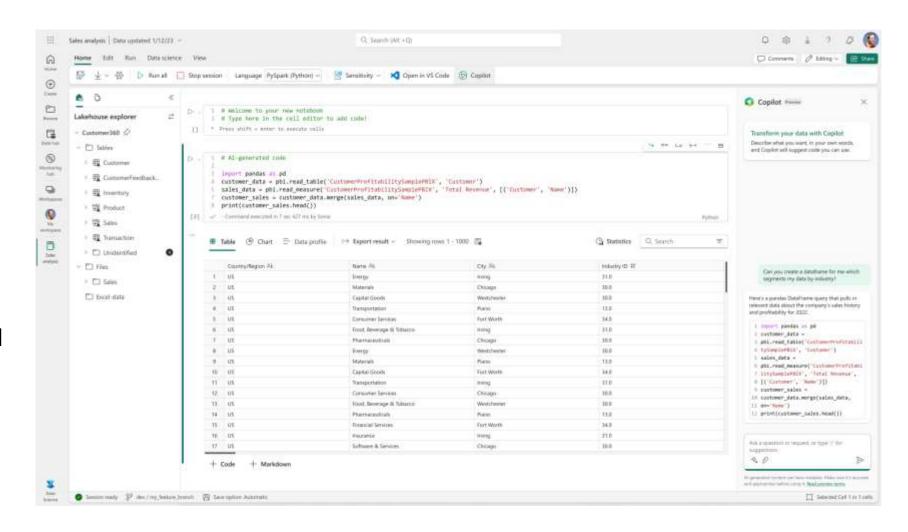


Copilot experiences for developers

Copilot embeds the best of Azure Open Al, contextualized with your data, directly into your development workflows

Improve productivity:

- Code generation
- Generate natural language explanations and summary of code and data
- Simplify migration

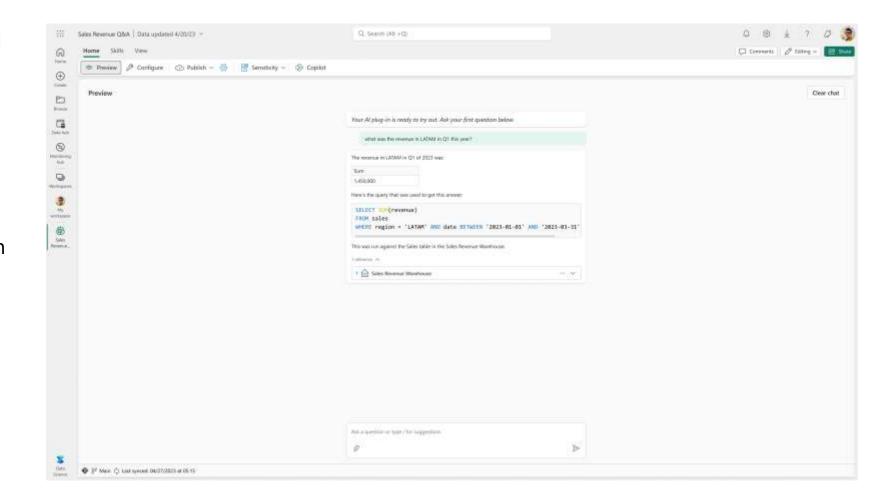




Create Al Plugins for *your* Data

Create and customize your own Al plugin for answering questions about your data in your Lakehouse/Warehouse.

These data centric Al Plugins can be published and used in other chatbots like M365 Business **Chat** and can also be consumed in experiences across MS Fabric.



Available now

Public preview

Data Factory

Synapse Data Engineering

Synapse Data Science

Synapse Data Warehousing

Synapse Real Time analytics

Copilot for Power BI (DAX)

OneLake

Generally available

Power BI

Private Preview

Data Activator

Copilot for Microsoft Fabric

Copilot for Power BI (full)

