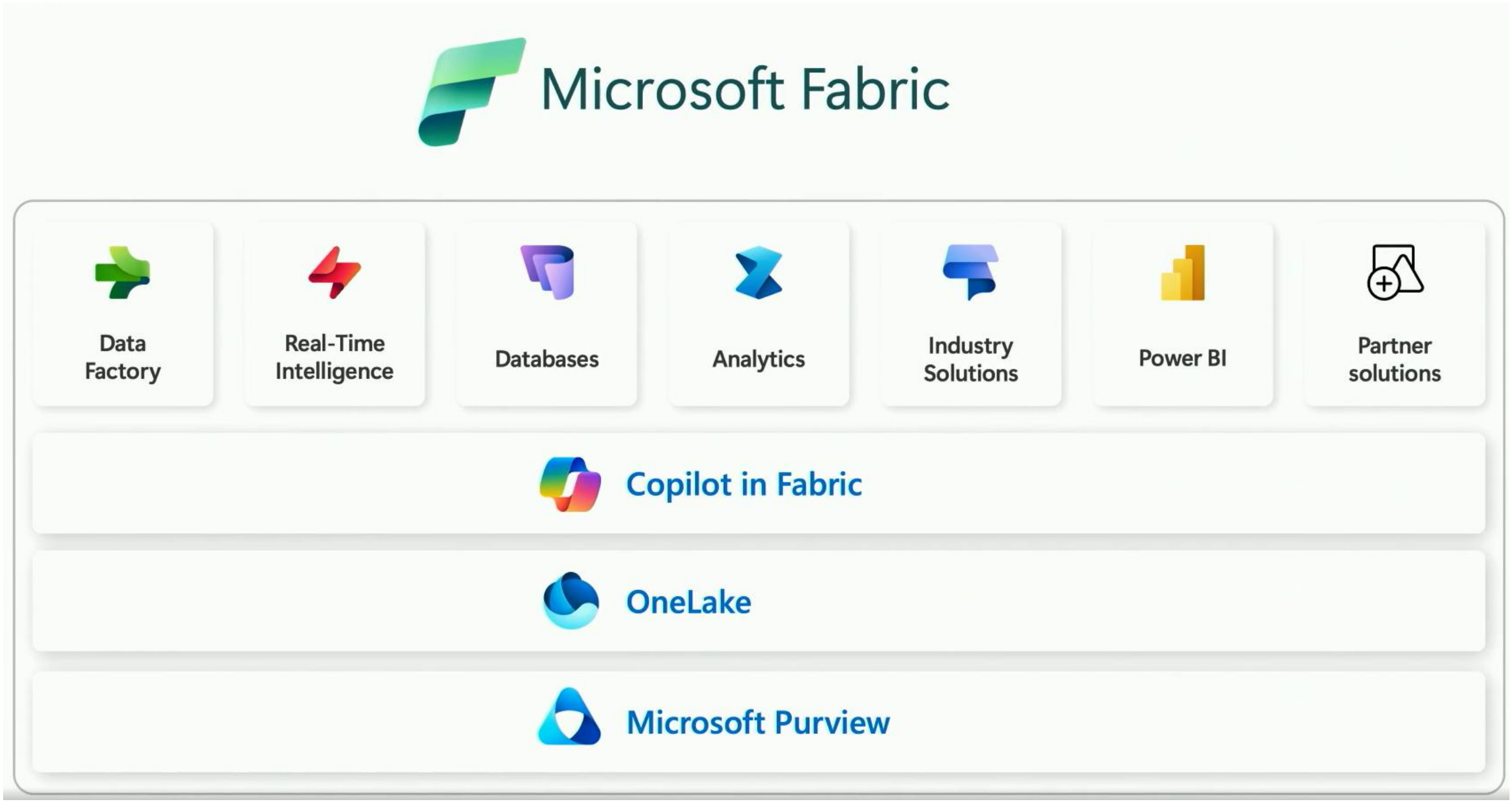
Ventagium
Data Consulting

Fabric Workshop

2025-02-27 and 2025-02-28

SQL Database in Fabric


Microsoft Fabric
Data Factory
Real-Time Intelligence
Databases
Analytics
Industry Solutions
Power BI
Partner solutions
Copilot in Fabric
OneLake
Microsoft Purview

SQL database in Fabric

Build AI apps faster and easier than ever

Simple

Autonomous

Optimized for AI

Built upon the familiar SQL Server/Azure SQL Database engine, in Microsoft Fabric

5

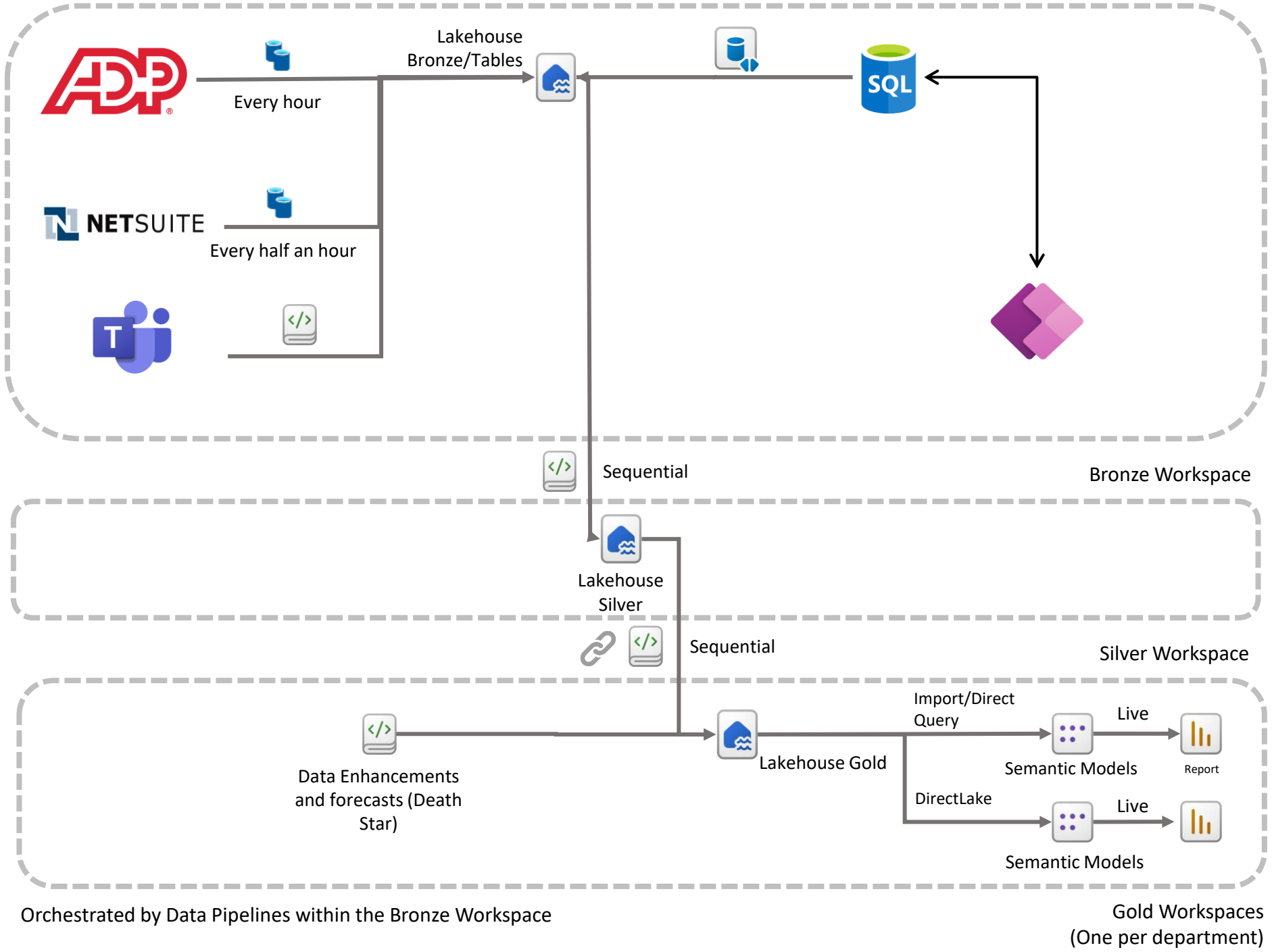
SQL Database (Preview)

- OLTP (vs OLAP)
- Based on Azure SQL Database
- Automatic provisioning and scaling
- Near real time into OneLake
  - Available with Spark, notebooks, data engineering, reports
- Query editor
  - Fabric Query Editor
  - SQL Server Management Studio
  - Visual Studio Code
- GraphQL APIs

SQL Database – Use case example

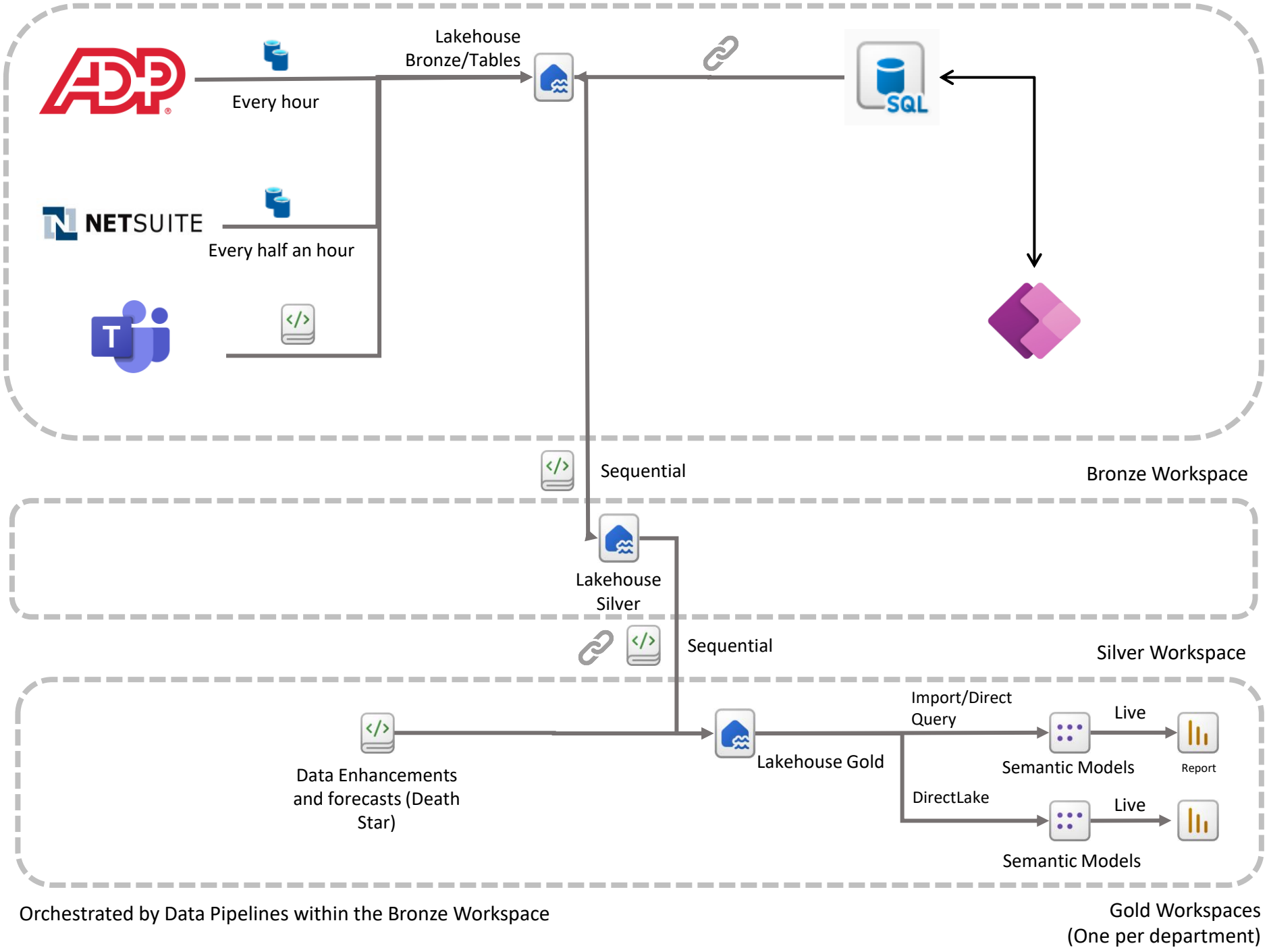
- Bring your OLTP data to Fabric

Data Flow
NexaCore



Dataflow Gen2
Warehouse
Lakehouse
Data Pipeline
Report
Semantic Model
Notebook
Copy Data
Shortcuts
Python Script
OneLake
Mirroring
Power Apps

Data Flow
NexaCore



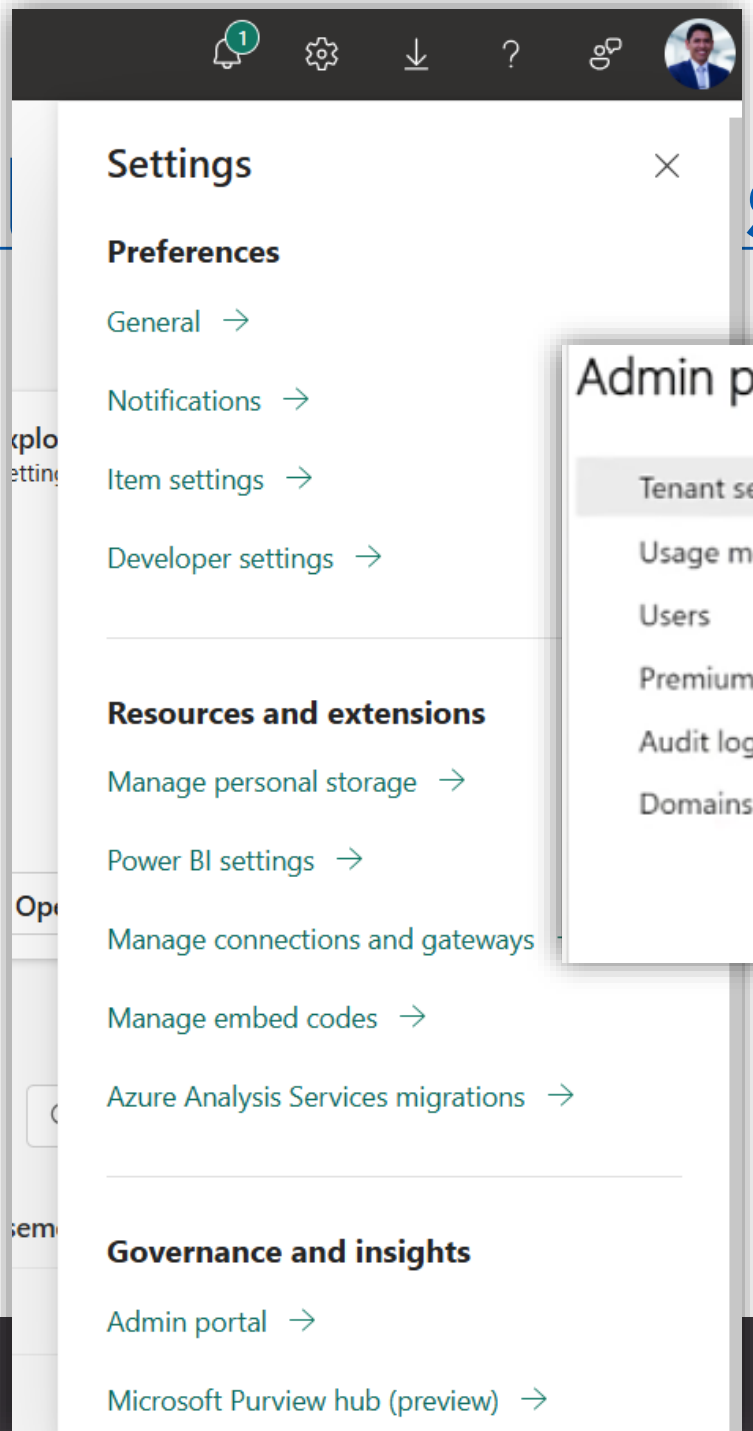
Dataflow Gen2
Warehouse
Lakehouse
Data Pipeline
Report
Semantic Model
Notebook
Copy Data
Shortcuts
Python Script
OneLake
Mirroring
Power Apps

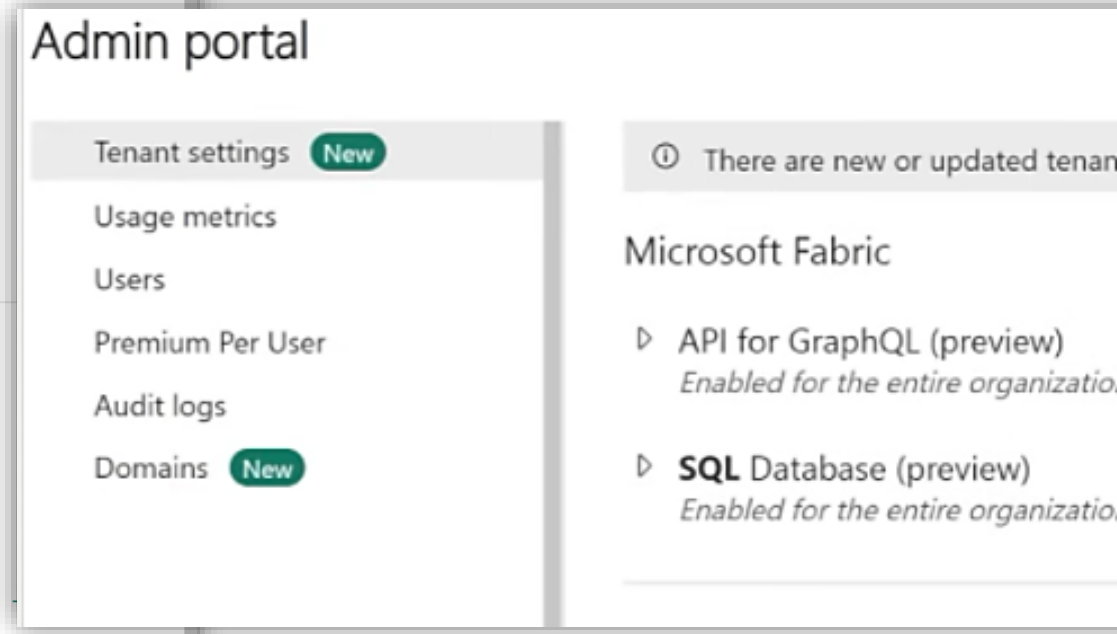
DEMO – SQL Database in Fabric

- Enable SQL Database in Fabric
- 1. Create a SQL DB
- 2. Explore different sections
- 3. Upload data
  - Dataflow
  - Pipeline
- 4. Create data
  - Table (templates)
  - View
  - Shortcut
- 5. Create and save queries
- 6. API for GraphQL
- 7. Explore the Analytics Endpoint
  - Connect through VSCode
  - Connect from a Power App

DEMO – Enab se

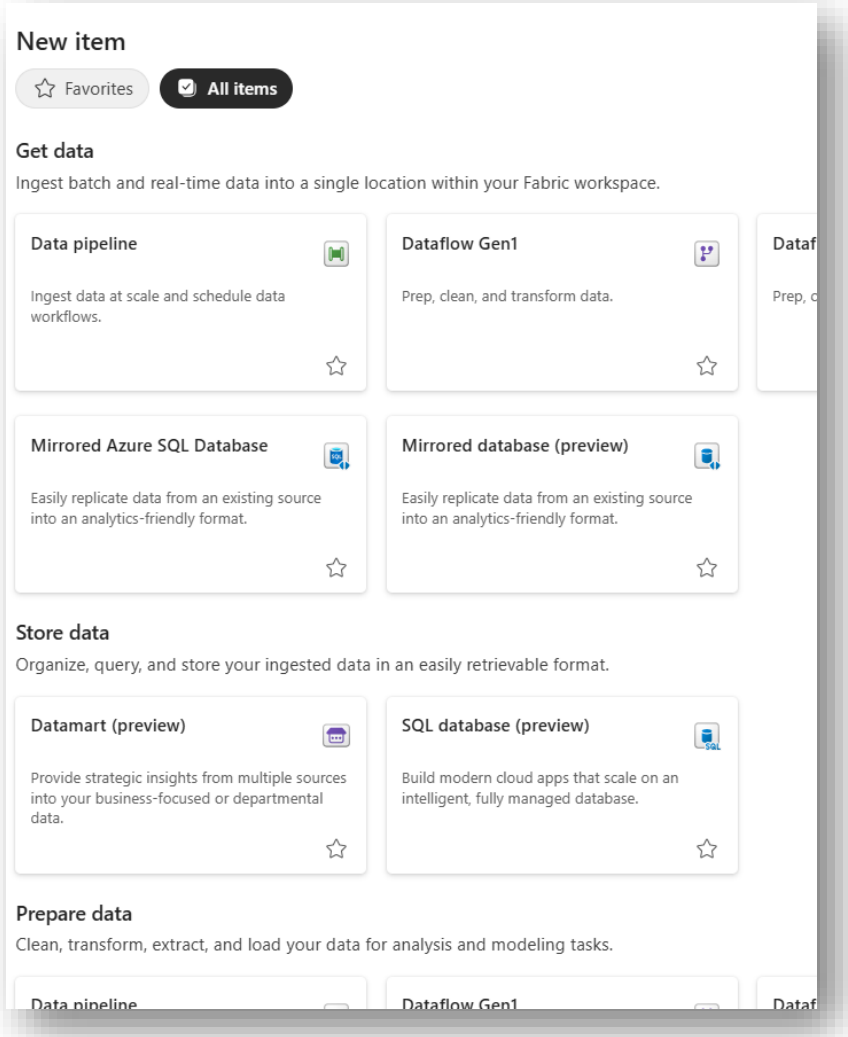
- Admin Portal > tenant settings
  - Enable for your tenant
  - Enable for a capacity
  - Disable

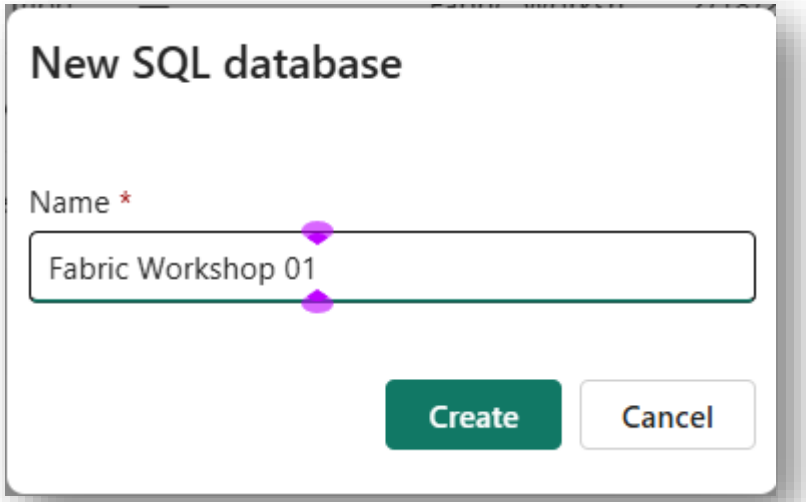




DEMO – Create a SQL Database

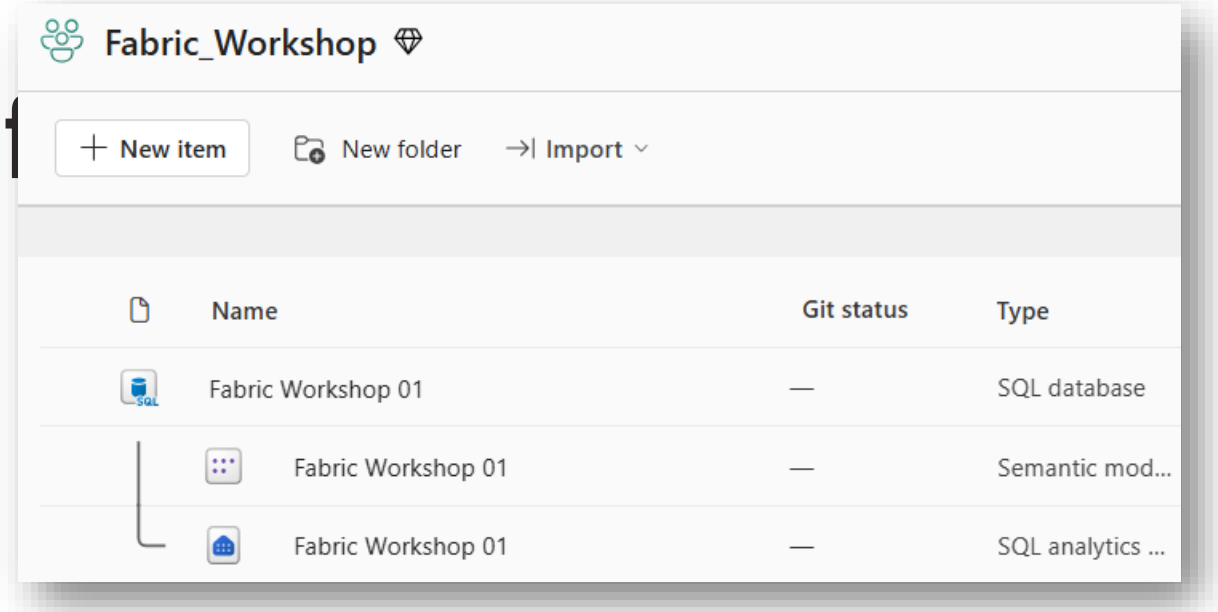
- **1. Create a DB**

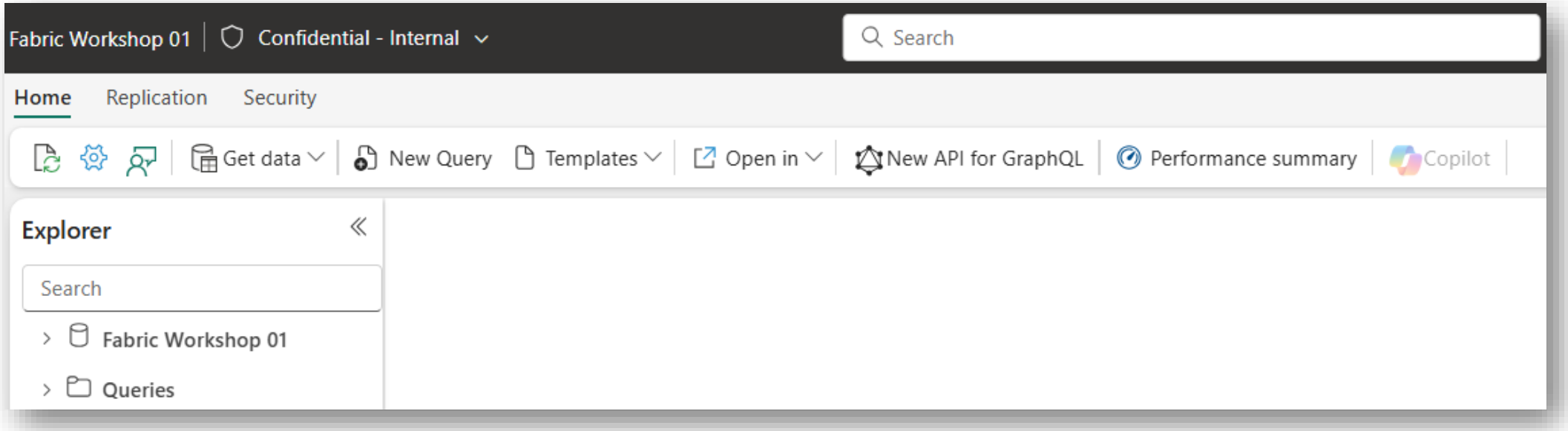




DEMO – Explore di

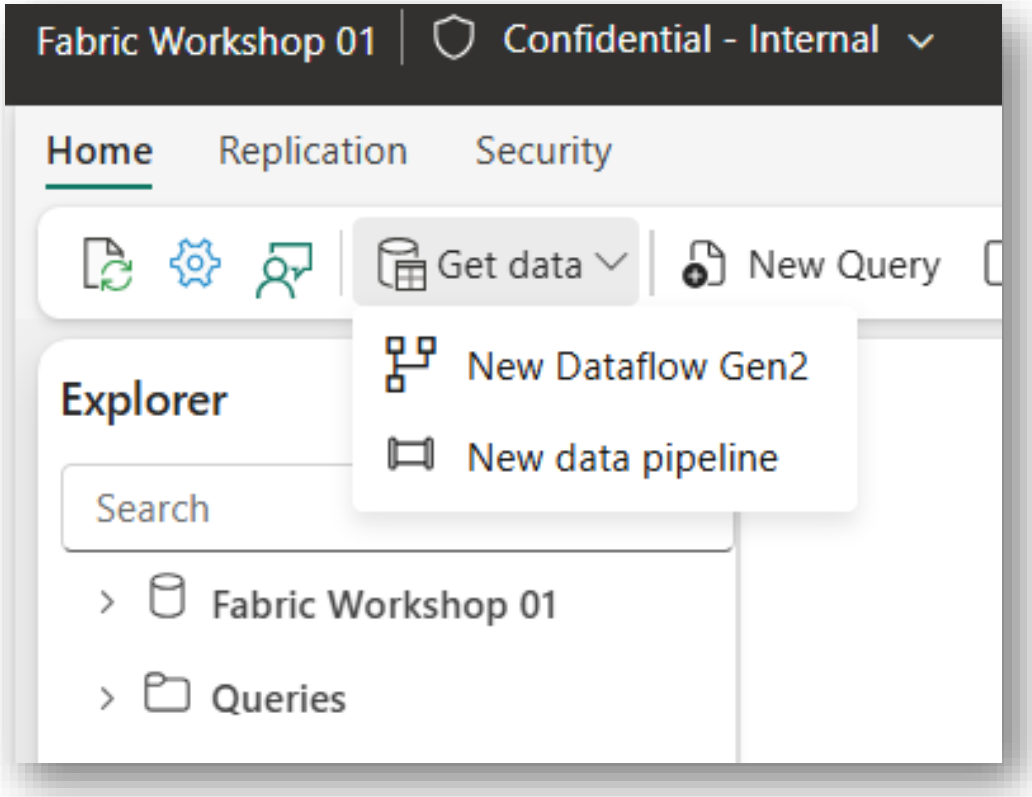
- **2. Explore different sections**





DEMO – Upload data

- **3. Upload data**
  - Dataflow Gen2
  - Pipeline
  - Via external connections



References

- https://learn.microsoft.com/en-us/fabric/database/sql/overview