Microsoft

Fabric Hands-on Day

Afternoon

<Présenter
Company name>

Agenda (times are approximate and will be fluid with the class)

Morning

09:00 AM – 09:15 AM	Welcome and session introduction
09:15 AM – 10:30 AM	Keynote – Microsoft Fabric Overview
10:30 AM – 10:45 AM	Break
	Environment setup
11:00 AM – 12:30 PM	Lab 1 Lakehouse end-to-end scenario
12:30 PM – 01:30 PM	Break for lunch

Afternoon

01:30 PM – 02:00 PM	Keynote – Microsoft Fabric Momentum & Roadmap
02:00 PM – 02:30 PM	
02:30 PM – 03:15 PM	Lab 2 Pick-choose your lab
03:15 PM – 04:00 PM	Break
04:00 PM – 04:30 PM	Continuation of Lab 2
04:30 PM – 05:00 PM	Q&A

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Fabric Momentum

Preview momentum

25K

Active organizations

67%

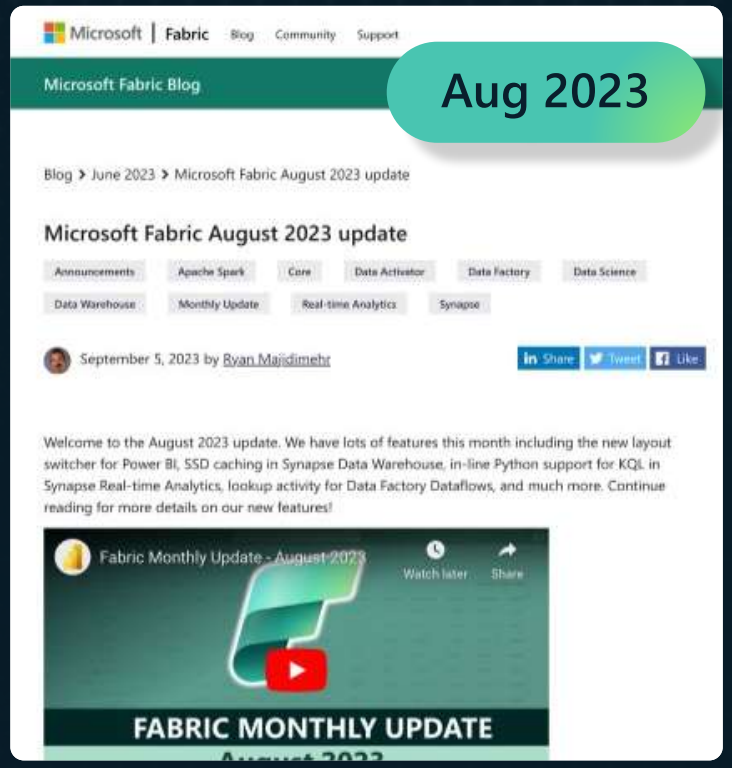
Fortune 500 companies

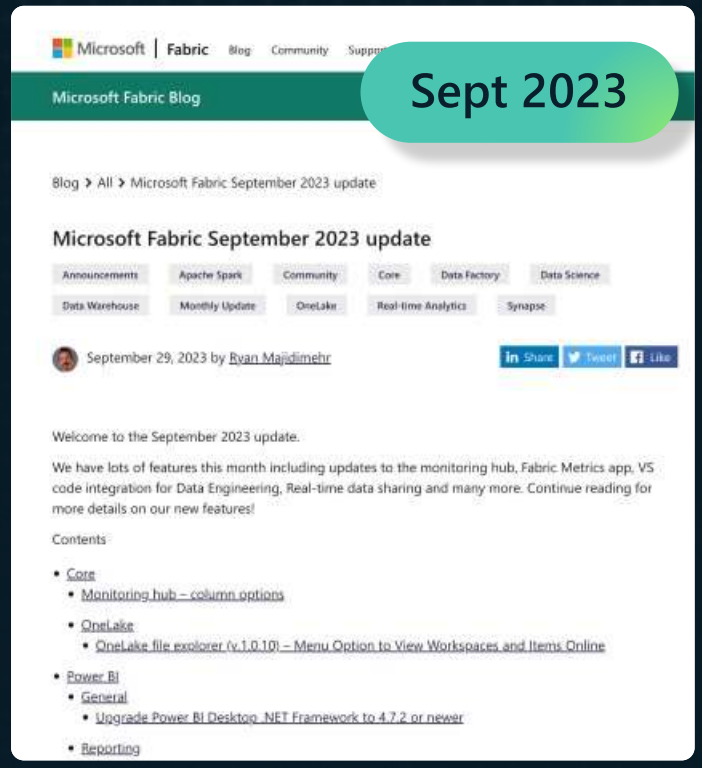
84%

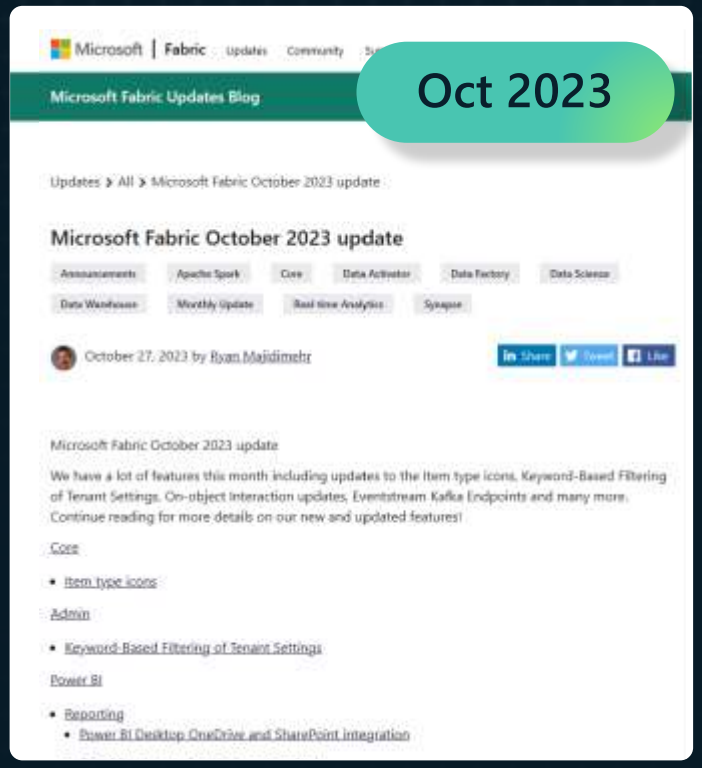
3 or more Workloads

Weekly Fabric Releases

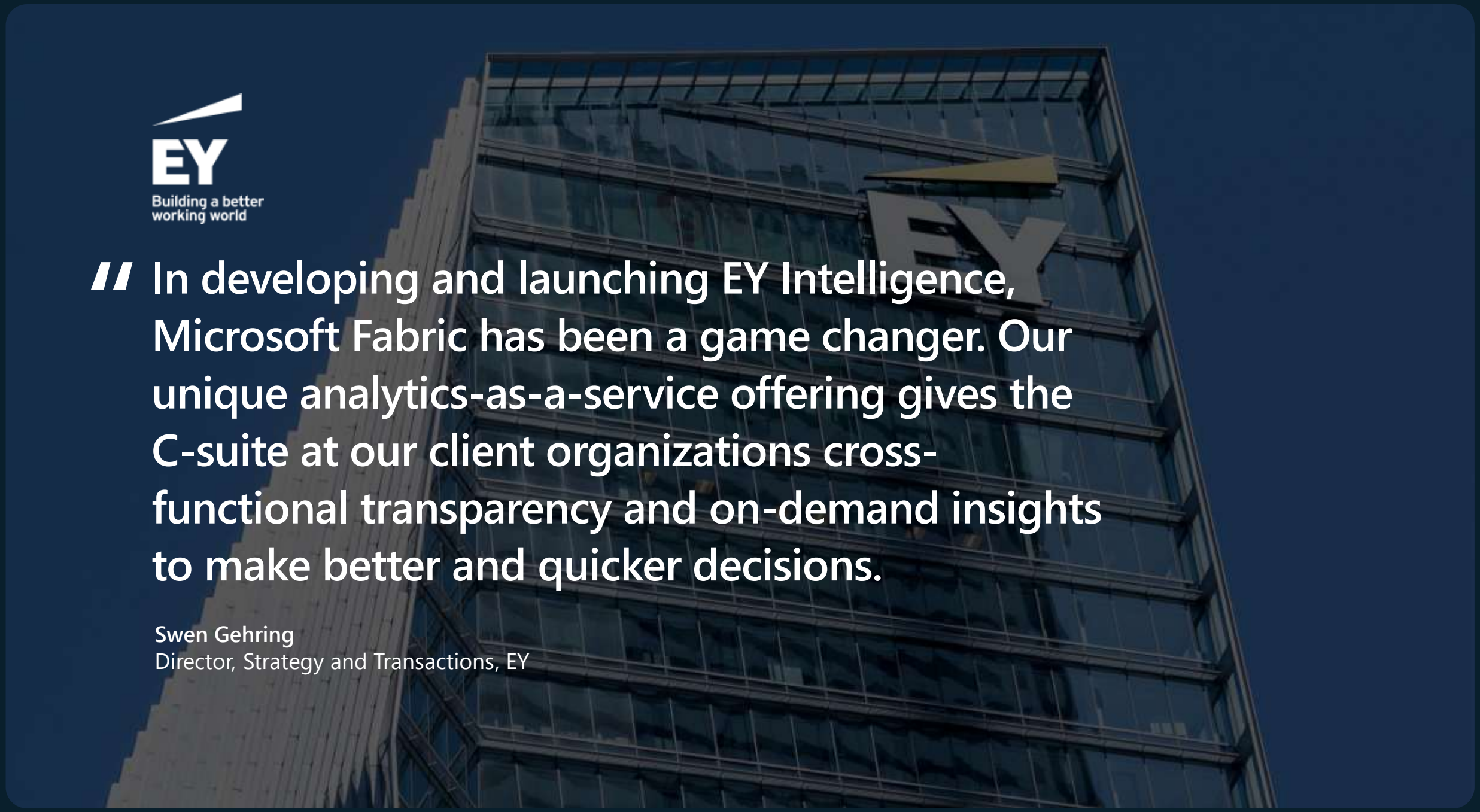
Rapid pace of innovation





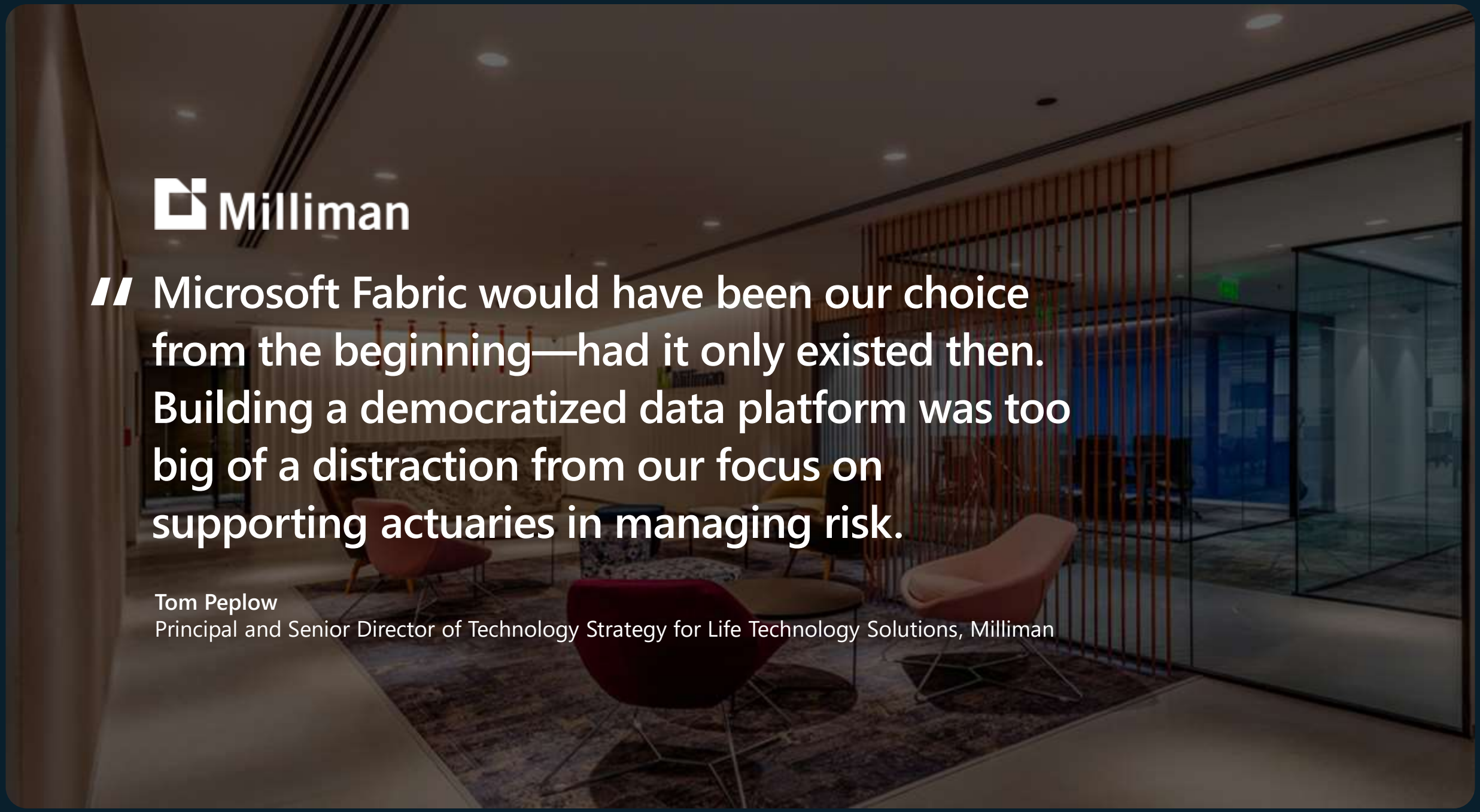


Customer Momentum



> In developing and launching EY Intelligence, Microsoft Fabric has been a game changer. Our unique analytics-as-a-service offering gives the C-suite at our client organizations cross-functional transparency and on-demand insights to make better and quicker decisions.

Swen Gehring
Director, Strategy and Transactions, EY


Milliman
Microsoft Fabric would have been our choice from the beginning—had it only existed then. Building a democratized data platform was too big of a distraction from our focus on supporting actuaries in managing risk.
Tom Peplow
Principal and Senior Director of Technology Strategy for Life Technology Solutions, Milliman

Partner Momentum

ISV Momentum

aka.ms/Ignite23BRK222H

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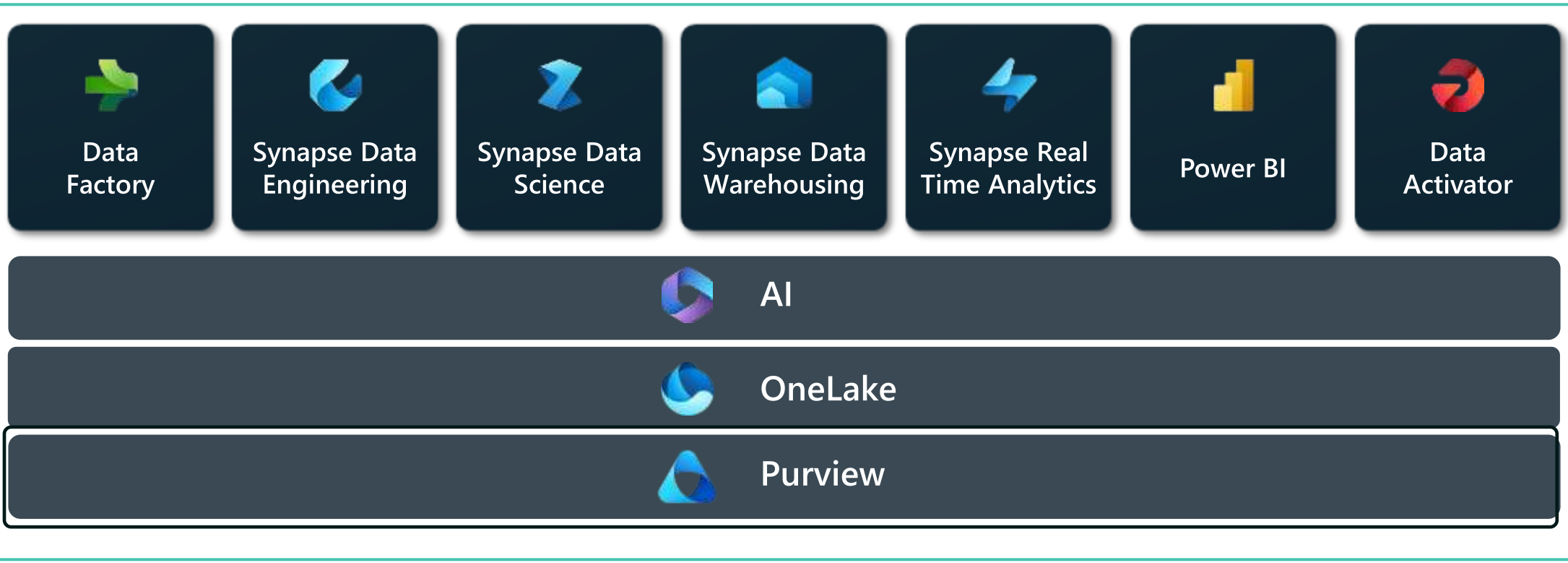
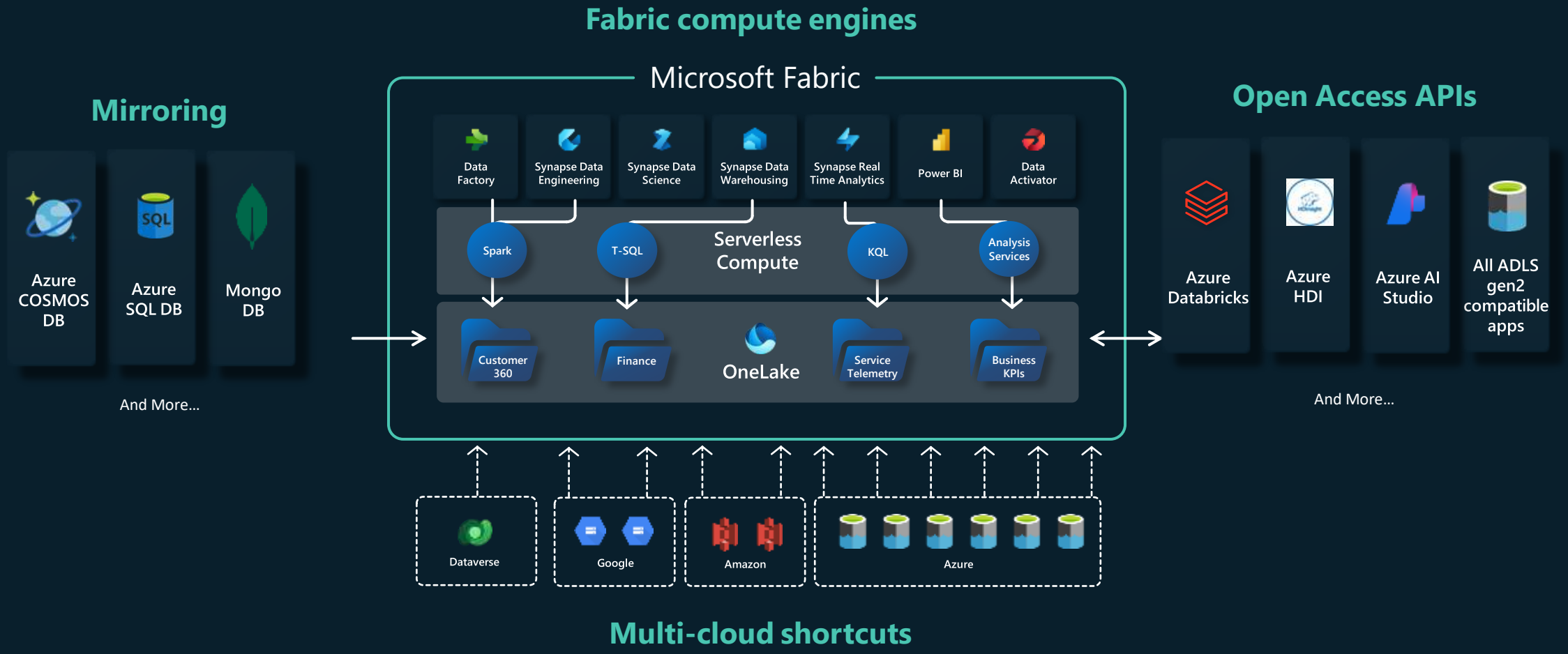
Fabric roadmap

Explore the Fabric Roadmap

Rapid pace of innovation


Data Factory
Synapse Data Engineering
Synapse Data Science
Synapse Data Warehousing
Synapse Real Time Analytics
Power BI
Data Activator
AI
OneLake
Purview

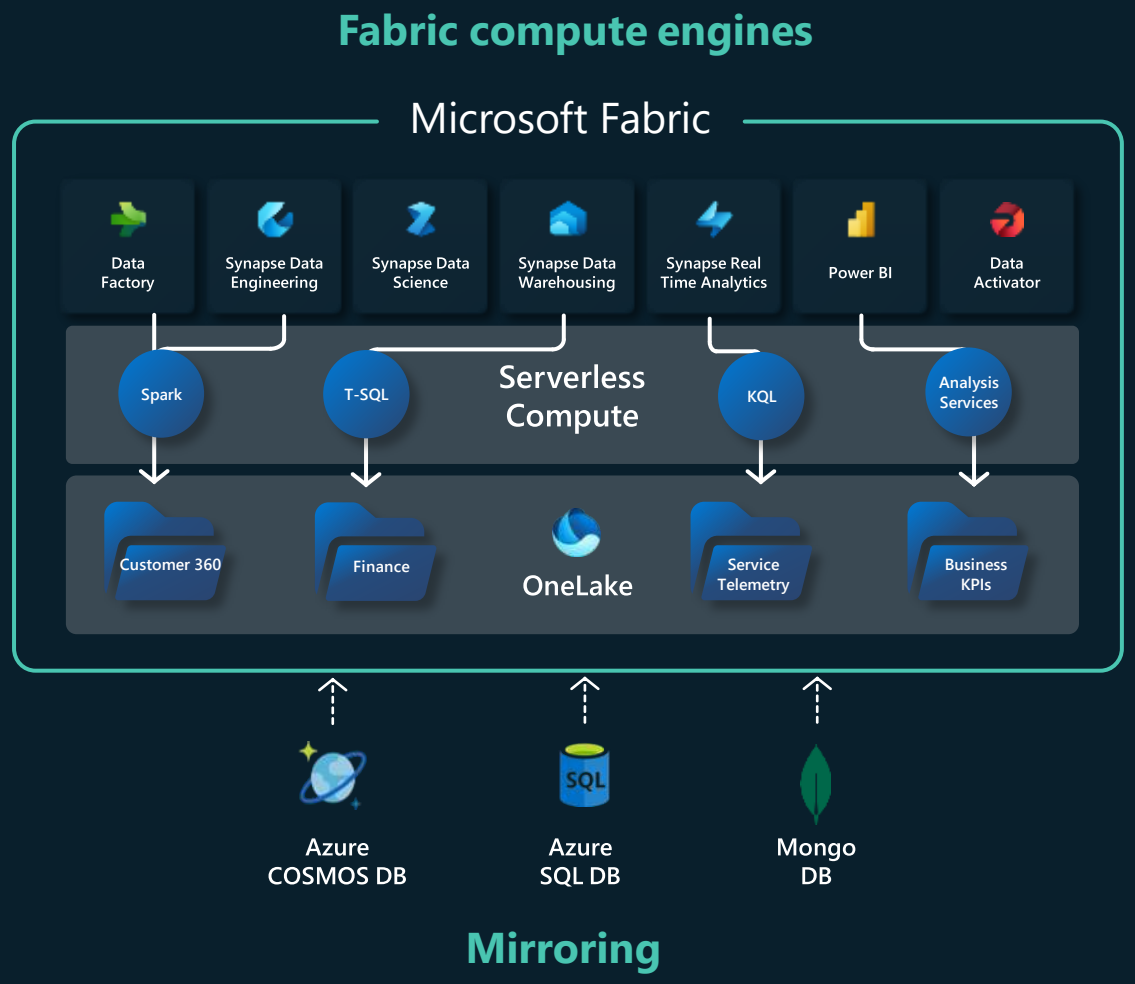
OneLake as a central source of data



Mirroring in Microsoft Fabric

Simplify near real-time analytics

Coming soon



Fabric Mirroring enables adding existing databases and data warehouses to Fabric without any ETL.

A full editing experience of the source database is available for the Mirrored database.

Data is replicated into OneLake in Delta format and kept up-to-date in near-real-time.

All the Fabric experiences instantly work with the OneLake replica.

Analysts and Data Scientists can work with real-time data.

The replica protects operational databases from analytical queries.

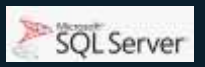
Roadmap

CY23

Azure Cosmos DB

Azure SQL DB

CY24 and beyond



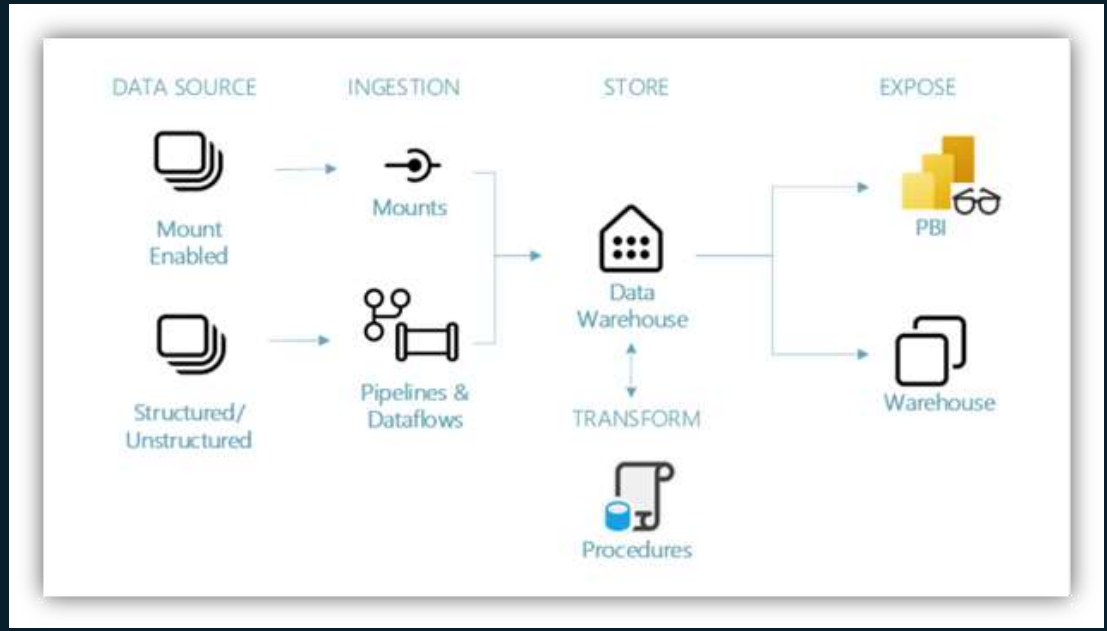
And More...

aka.ms/fabricroadmap

Lab A – Data warehouse

https://aka.ms/fabric-hod/laba

- Create a data warehouse
- Ingest data from source to the data warehouse dimensional model
- Transform the data to create aggregated datasets using T-SQL
- Perform orchestration, data ingestion, and data transformation with pipelines
- Query the data warehouse using T-SQL and a visual query editor
- Create Power BI report using DirectLake mode to analyze the data in place



Lab B – Data science

https://aka.ms/fabric-hod/labb

Ingesting data from an external data source.

Data exploration and visualization.

Data cleansing, preparation, and feature engineering.

Model training and evaluation.

Model batch scoring and saving predictions for consumption.

Visualizing prediction results.

Lab C – Real-time analytics

https://aka.ms/fabric-hod/labc

Get data with Eventstream

Get historical data

Explore data with KQL and SQK

Use advanced KQL queries

Build a Power BI report