



Fabric Hands-on Day

Morning

<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





« This is a product that we've been working very very hard on over multiple years, and it's finally coming together. It's perhaps the biggest launch of a data product from Microsoft since the launch of SQL Server.

»

- Satya Nadella
CEO of Microsoft
MS build 2023



Preview momentum

25K

Active
organizations

67%

Fortune 500
companies

84%

3 or more
Workloads

Weekly Fabric Releases

Rapid pace of innovation

Microsoft | Fabric Blog Community Support

Microsoft Fabric Blog

Aug 2023

Blog > June 2023 > Microsoft Fabric August 2023 update

Microsoft Fabric August 2023 update

Announcements Apache Spark Core Data Activator Data Factory Data Science Data Warehouse Monthly Update Real-time Analytics Synapse

September 5, 2023 by Ryan Majidimehr

in Share Tweet Like

Welcome to the August 2023 update. We have lots of features this month including the new layout switcher for Power BI, SSD caching in Synapse Data Warehouse, in-line Python support for KQL in Synapse Real-time Analytics, lookup activity for Data Factory Dataflows, and much more. Continue reading for more details on our new features!



FABRIC MONTHLY UPDATE August 2023

Microsoft | Fabric Blog Community Support

Microsoft Fabric Blog

Sept 2023

Blog > All > Microsoft Fabric September 2023 update

Microsoft Fabric September 2023 update

Announcements Apache Spark Community Core Data Factory Data Science Data Warehouse Monthly Update OneLake Real-time Analytics Synapse

September 29, 2023 by Ryan Majidimehr

in Share Tweet Like

Welcome to the September 2023 update.

We have lots of features this month including updates to the monitoring hub, Fabric Metrics app, VS code integration for Data Engineering, Real-time data sharing and many more. Continue reading for more details on our new features!

Contents

- Core
 - Monitoring hub – column options
- OneLake
 - OneLake file explorer (v.1.0.10) – Menu Option to View Workspaces and Items Online
- Power BI
 - General
 - Upgrade Power BI Desktop .NET Framework to 4.7.2 or newer
- Reporting

Microsoft | Fabric Updates Community Support

Microsoft Fabric Updates Blog

Oct 2023

Updates > All > Microsoft Fabric October 2023 update

Microsoft Fabric October 2023 update

Announcements Apache Spark Core Data Activator Data Factory Data Science Data Warehouse Monthly Update Real-time Analytics Synapse

October 27, 2023 by Ryan Majidimehr

in Share Tweet Like

Microsoft Fabric October 2023 update

We have a lot of features this month including updates to the Item type icons, Keyword-Based Filtering of Tenant Settings, On-object Interaction updates, Eventstream Kafka Endpoints and many more. Continue reading for more details on our new and updated features!

Core

- Item type icons

Admin

- Keyword-Based Filtering of Tenant Settings

Power BI

- Reporting
 - Power BI Desktop OneDrive and SharePoint integration

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



// 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

 **accenture**

 **avanade**

Capgemini 

 **EY**
Building a better
working world

IBM

SONATA

SONATA SOFTWARE

tcs **TATA**
CONSULTANCY
SERVICES


Cloud Services

 **SDK**

 **MANDELBULB TECH**

 **bakertilly**

3Cloud

READYMIND
NEXT GENERATION SERVICES

 **iLink Digital**

macaw

prelude**sys**
IMPLICIT KNOWLEDGE

kanerika 

 **Simpson Associates**
The Data Analytics Company

 **INSPARK**



// The AI era has arrived, and our clients need a strong data foundation to ensure they can successfully achieve their AI aspirations securely and responsibly. At Accenture and Avanade, we are ready to securely unify data, analytics and AI for our clients with Microsoft Fabric. We've launched the Microsoft Fabric University that already has trained 3,000 data professionals to be fluent in Fabric, and we're taking lessons learned from building our own operations on Fabric to accelerate AI opportunities with our clients across the globe.

Simon Thomas
Data & AI Global Lead, Avanade



// Through our strategic partnership and the transformative capabilities of Microsoft Fabric, we are accelerating data value creation for our customers. Capgemini's investment in scaling Fabric competency, paving the way for excellence through our Fabric-specific assessment and certification via Capgemini's OCEANS Tool, provides enterprises with the opportunity to unleash unified data and drive their organizations forward

Niraj Parihar
Insights & Data CEO

ISV Momentum

AVEVA

 dbt Labs

 Delphix

Epic

 esri

 Fivetran

 Informatica

 LSEG

 mongoDB

 Profisee

Qlik 

 sas

 striim

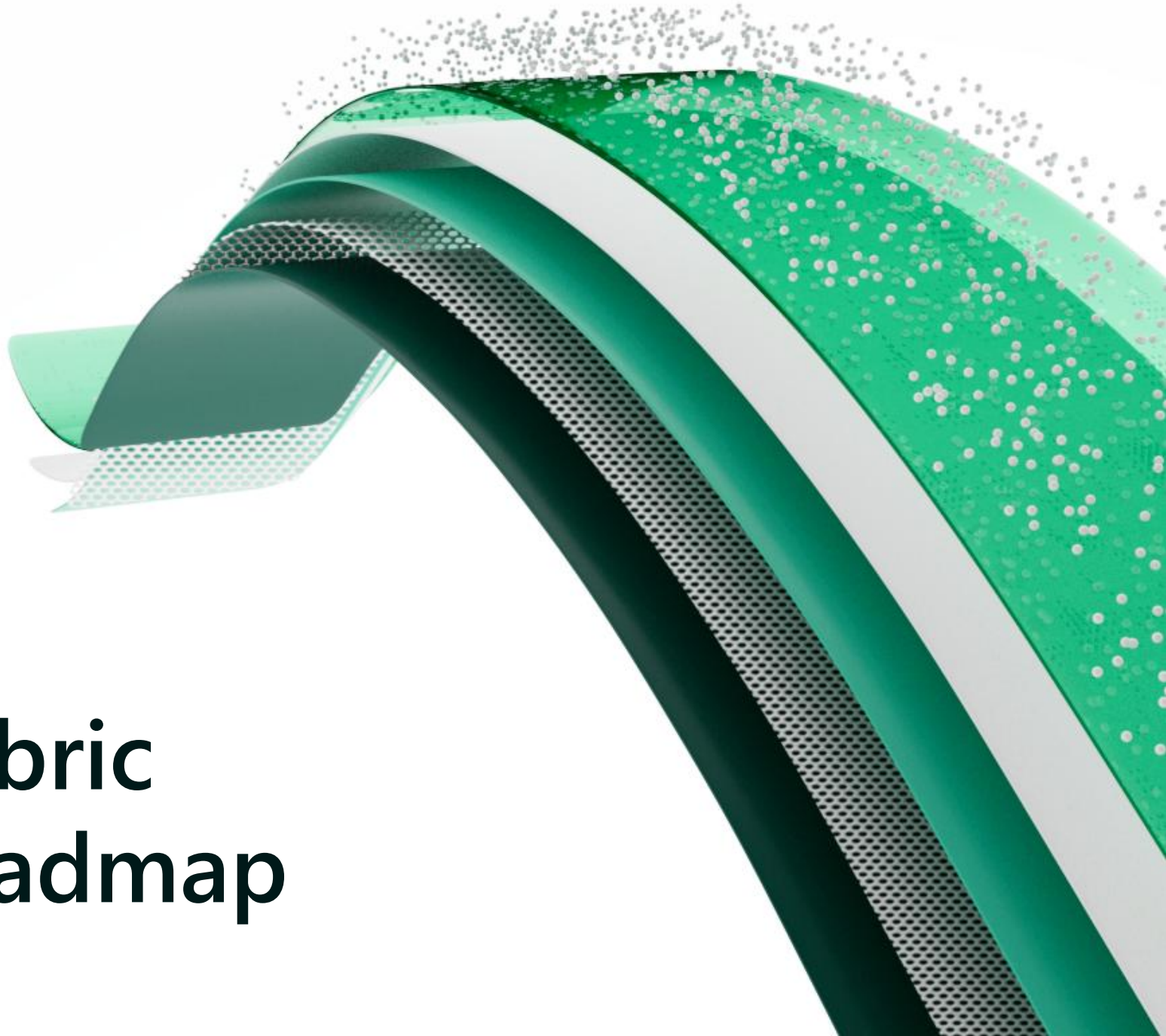
teradata.

 yugabyteDB

aka.ms/Ignite23BRK222H

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Fabric roadmap



Explore the Fabric Roadmap

Rapid pace of innovation

Jul 2023

Aug 2023

Sep 2023

aka.ms/FabricRoadmap



Data
Factory



Synapse Data
Engineering



Synapse Data
Science



Synapse Data
Warehousing



Synapse Real
Time Analytics



Power BI



Data
Activator



AI

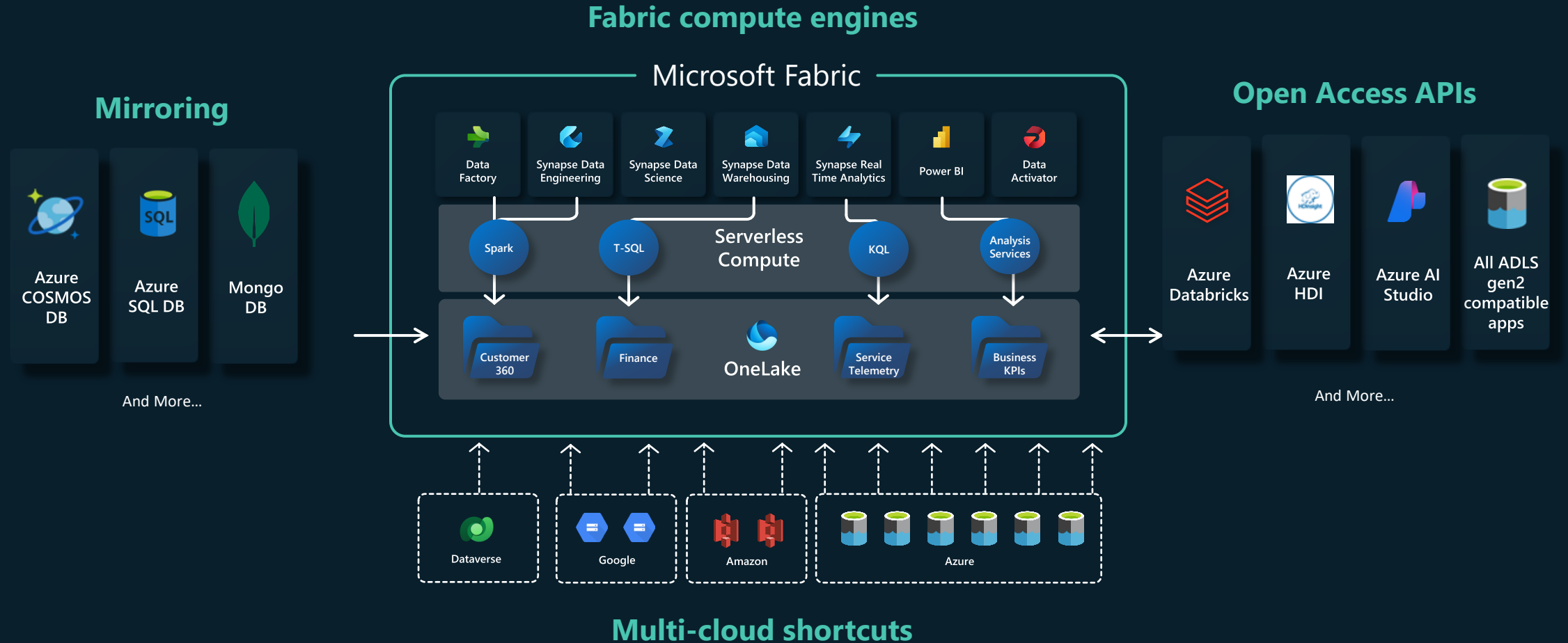


OneLake



Purview

OneLake as a central source of data

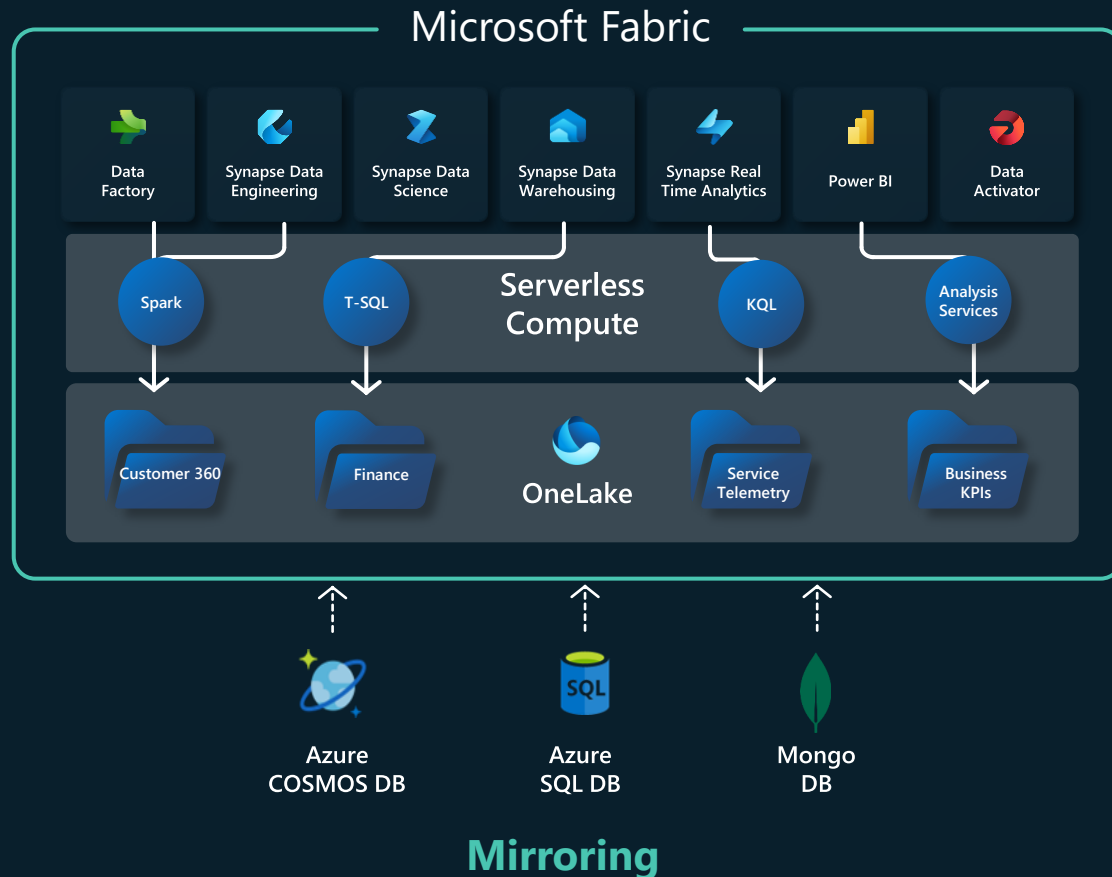


Mirroring in Microsoft Fabric

Simplify near real-time analytics

Coming soon

Fabric compute engines



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



ORACLE



And More...



aka.ms/fabricroadmap



Lab A – Data warehouse

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

Create a data warehouse

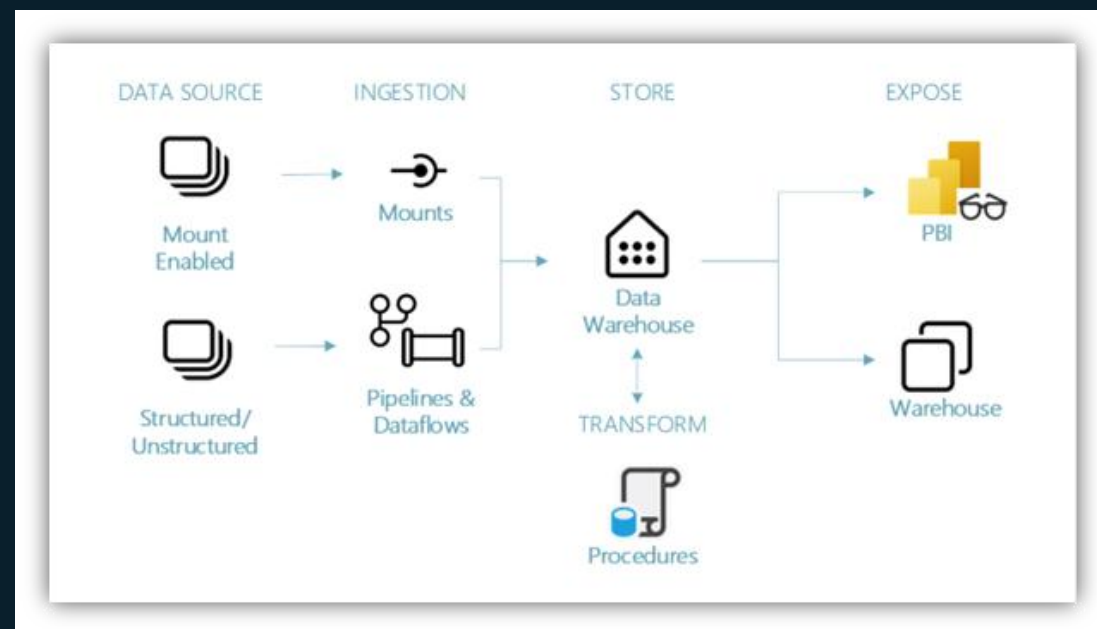
Ingest data from source to the data warehouse dimensional model

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.

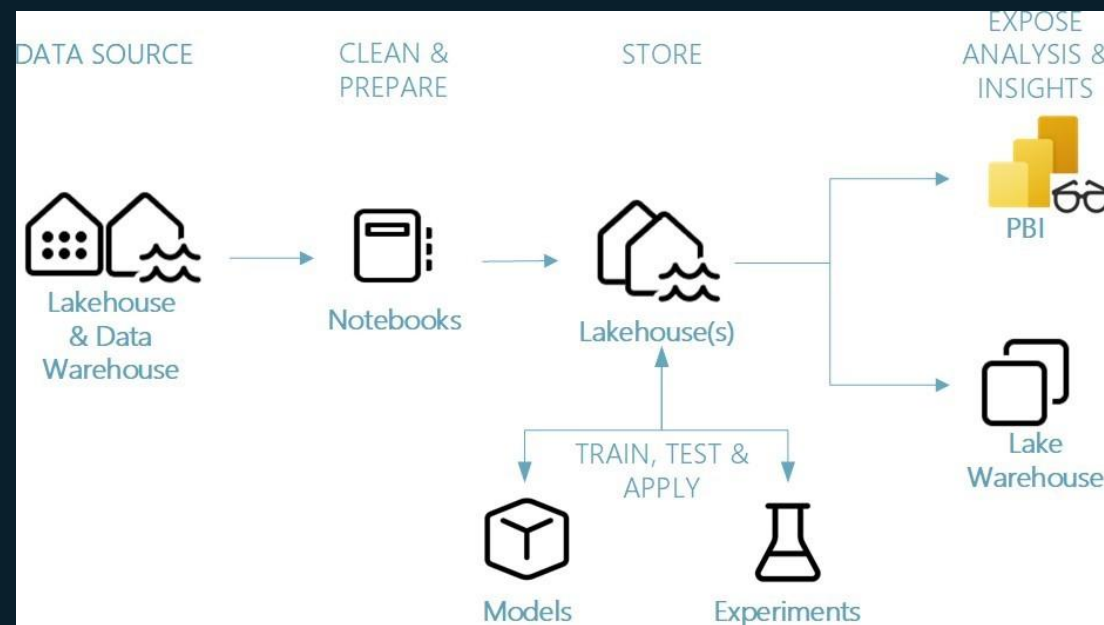
Data exploration and visualization.

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