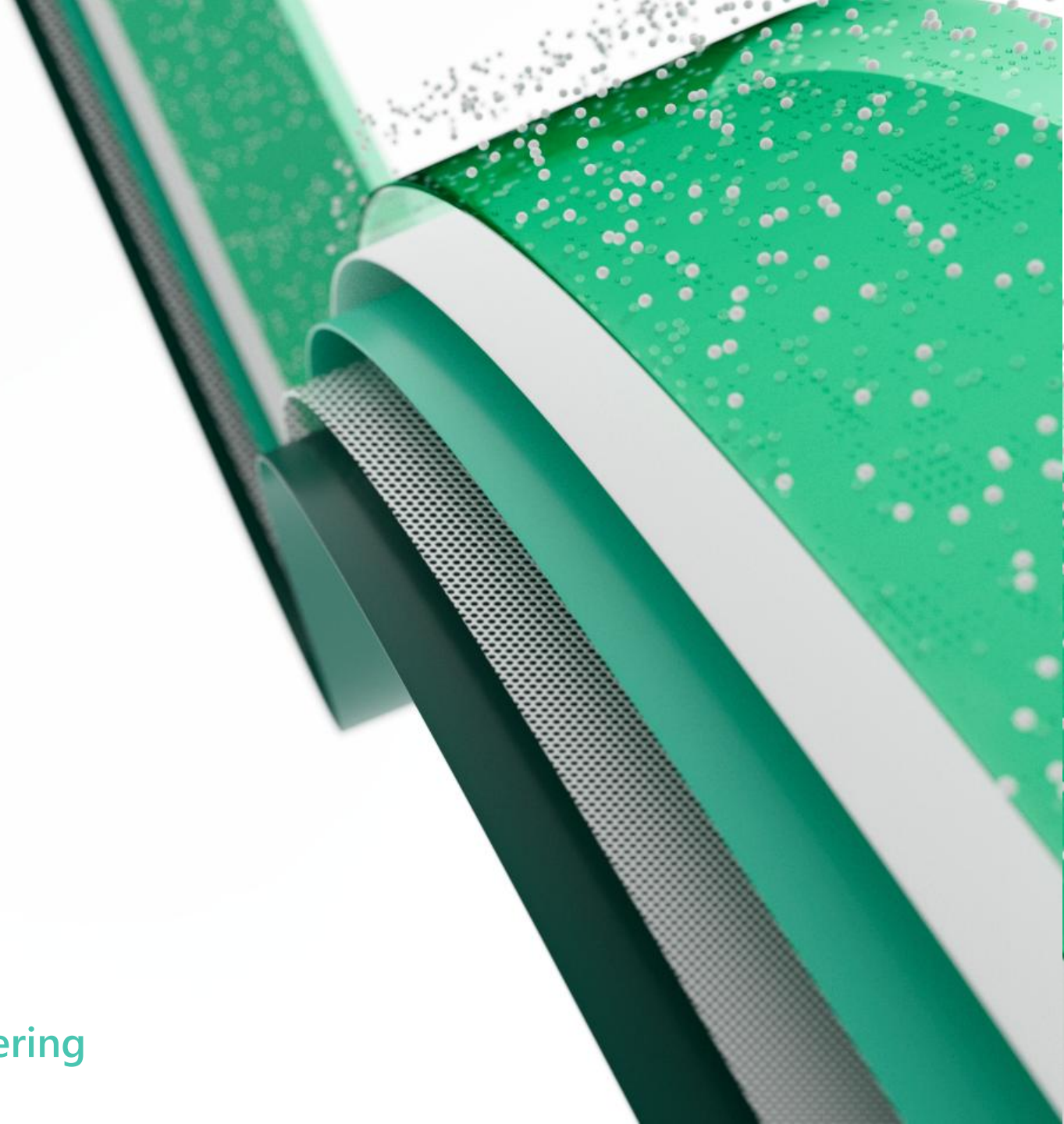




Microsoft Fabric overview

Christopher Maneu
Principal Cloud Advocate Data, Azure Engineering





Microsoft Fabric

Preview momentum

25K

Active
organizations

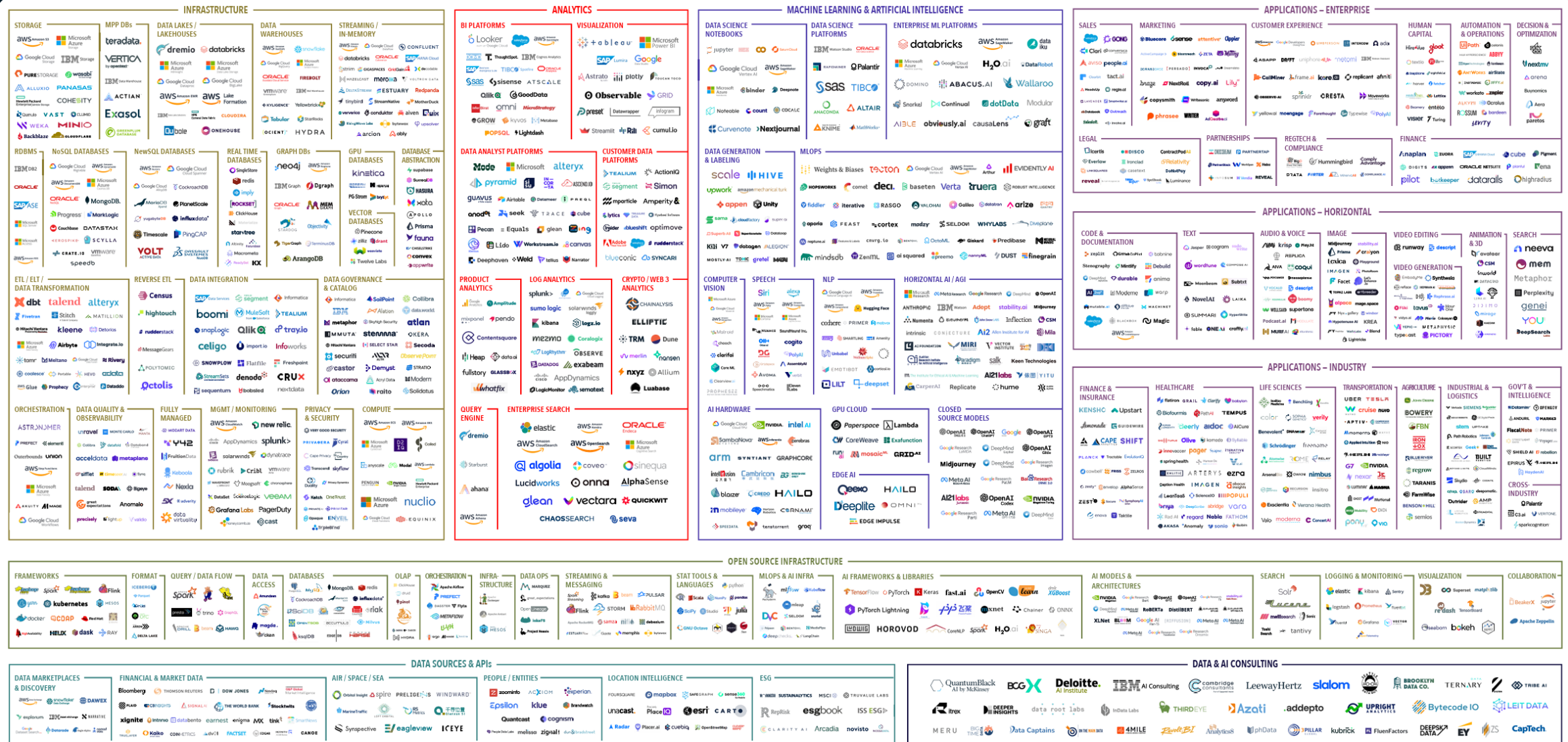
67%

Fortune 500
companies

84%

3 or more
Workloads

The 2023 ML, AI, and Data Landscape



//

Unify,

I am the Chief Information Officer and don't
want to be the Chief Integration Officer.

Help me unleash AI in my data estate."

Every CIO, Every Enterprise

How do we achieve this **Simplification** ?



Microsoft Fabric

Data analytics for the era of AI

From

One component

Single database

Gen AI wired in

To

Unified stack

All the data

Gen AI built in



Microsoft Fabric

Data analytics for the era of AI

Complete
Analytics
Platform

Lake Centric
and Open

Empower
Every
Business User

AI
Powered



Microsoft Fabric

The unified data platform for the era of AI



Data
Factory



Synapse Data
Engineering



Synapse Data
Science



Synapse Data
Warehousing



Synapse Real
Time Analytics



Power BI



Data
Activator



AI



OneLake



Purview

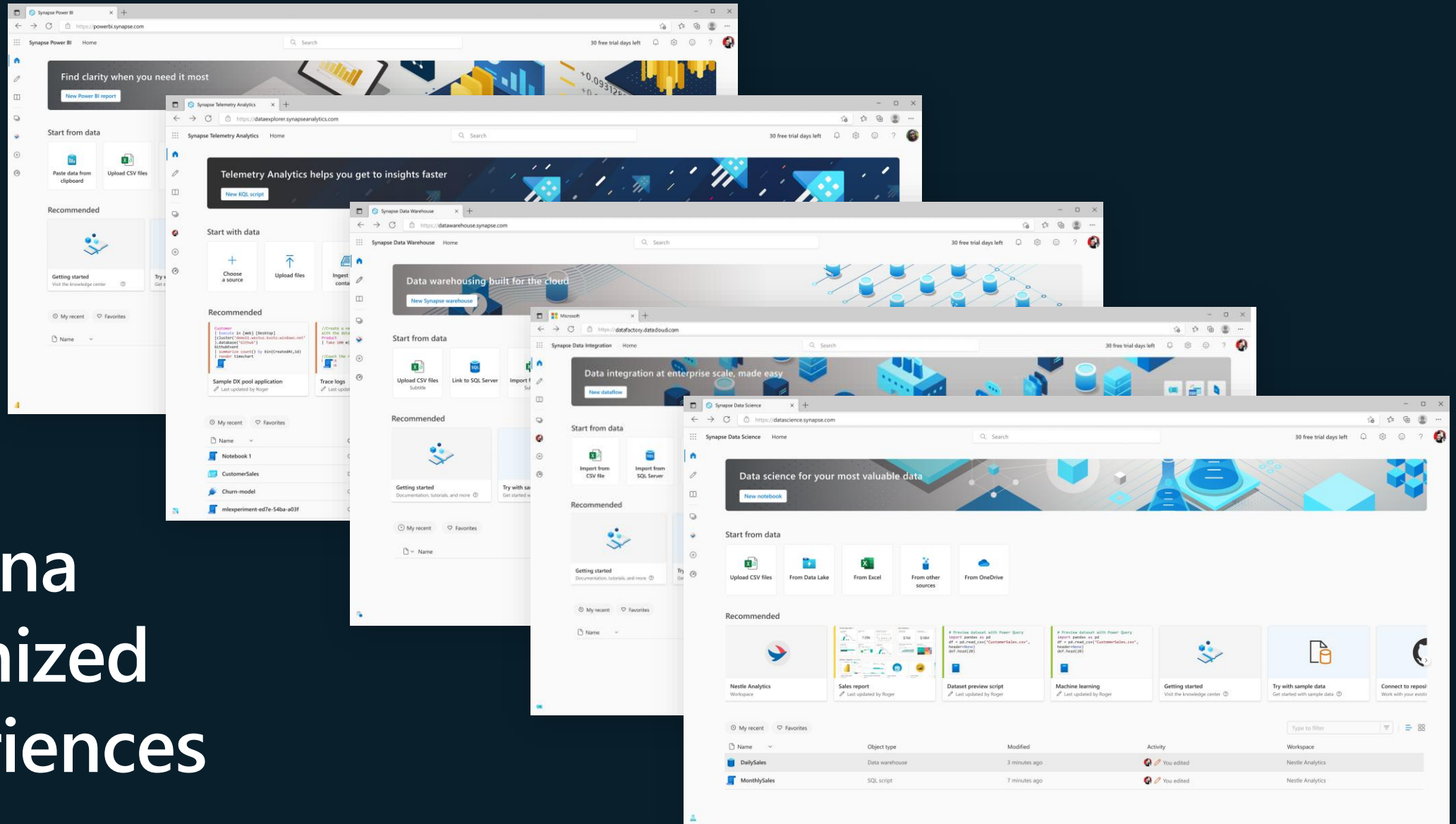
Unified
architecture

Unified
experience

Unified
governance

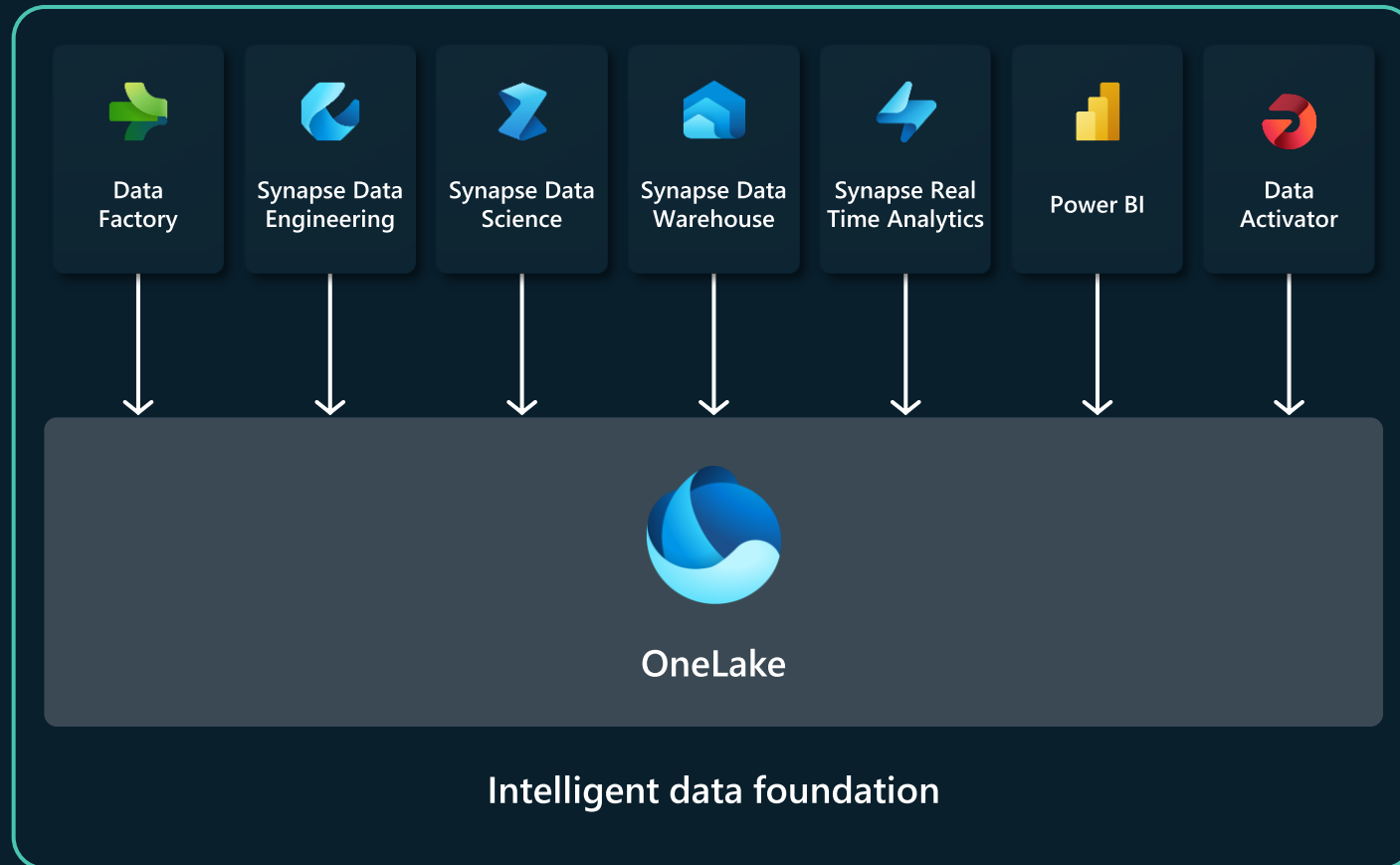
Unified
business model

Persona optimized experiences



OneLake for all Data

"The OneDrive for Data"



A single SaaS lake for the whole organization

Provisioned automatically with the tenant

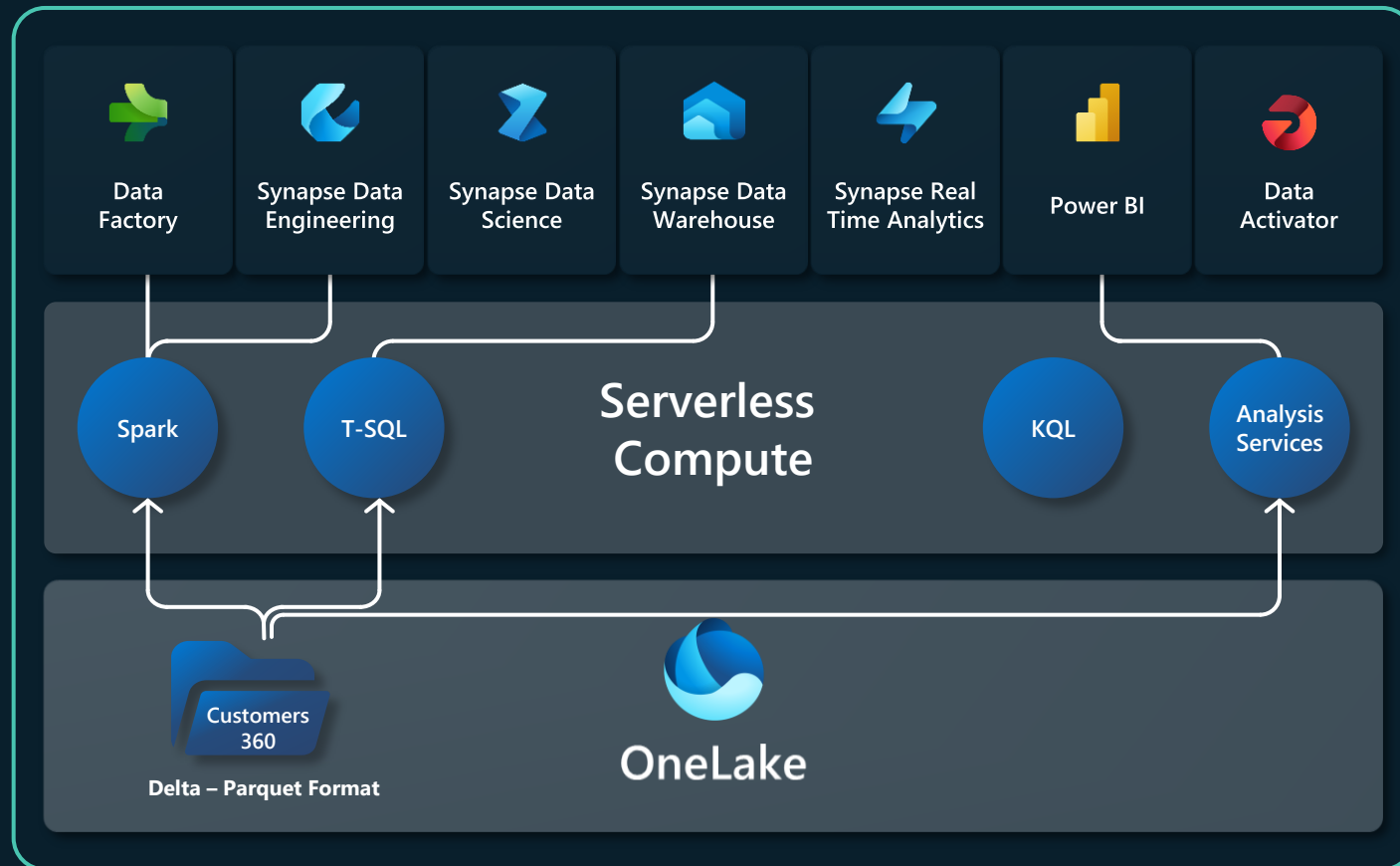
All workloads automatically store their data in the OneLake workspace folders

All the data is organized in an intuitive hierarchical namespace

The data in OneLake is automatically indexed for discovery, MIP labels, lineage, PII scans, sharing, governance and compliance

One Copy for all computes

One copy of data can be read by all engines



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

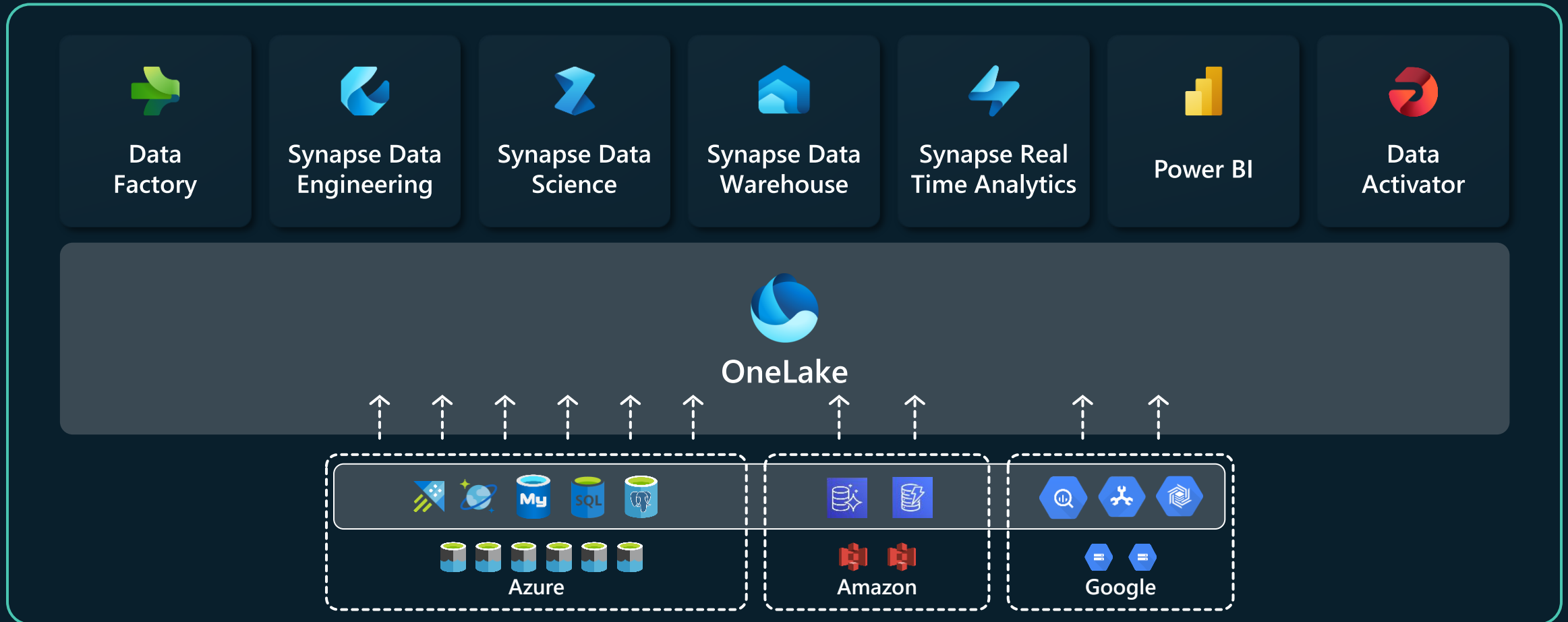
You are able to choose the right engine for the right job.

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 (coming soon).

Unifying data in OneLake

Frictionless Mirroring of External Databases



Better together through OneLake

Open and Governed Lakehouse



Microsoft Fabric



Azure Databricks

All Fabric engines have been redesigned and optimized for delta/parquet as their storage format for tabular data

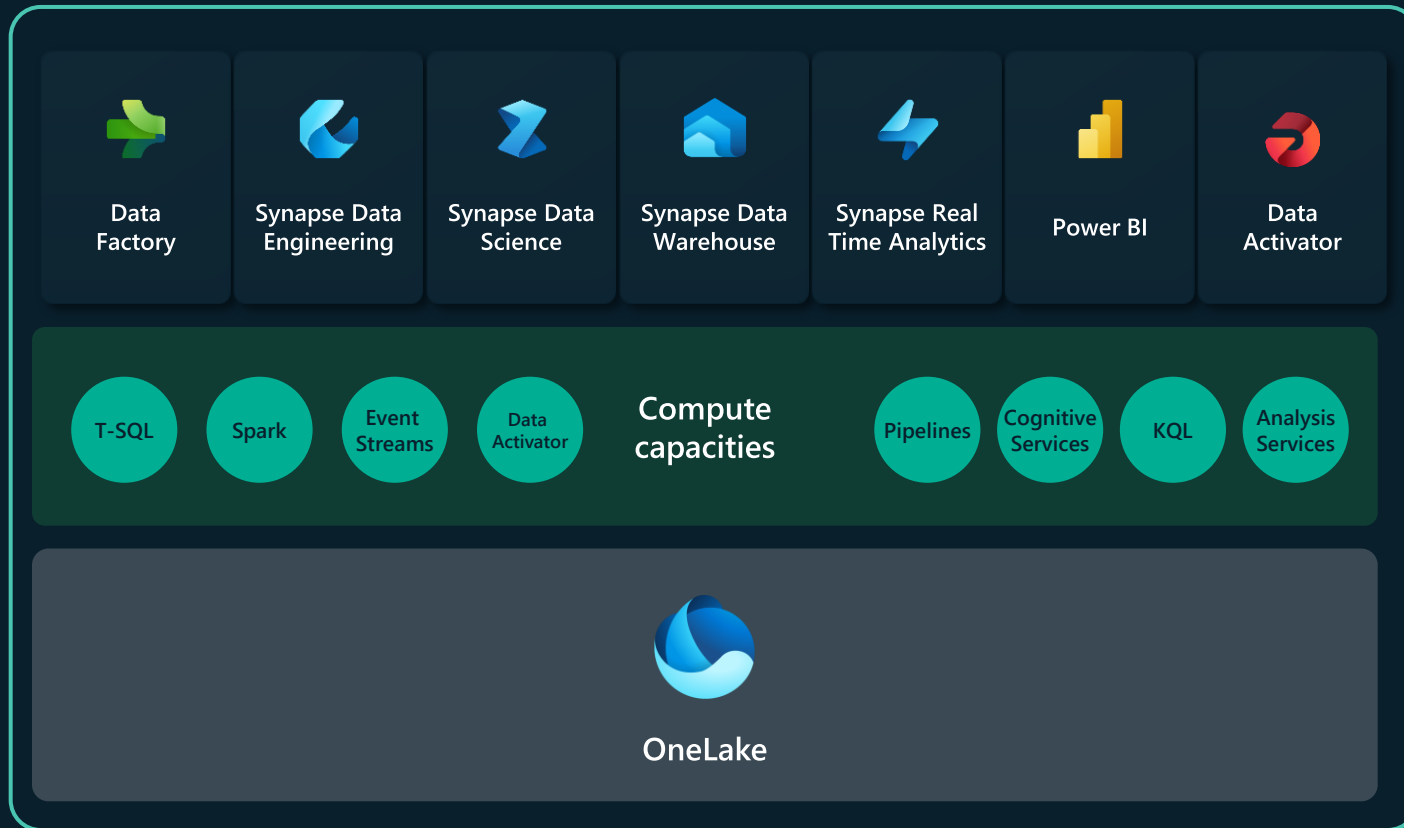
Azure Databricks can directly read/write data from any Fabric data item stored in OneLake through external link.

Existing non-Unity Catalog managed data in ADLS gen2 storage can be a shortcut into OneLake.

Works with all Fabric engines including Power BI with direct lake mode.

Universal compute capacities

"All in one"



Microsoft Fabric comes with a rich set of compute engines

Universal Compute Capacities provide the power to the various engines

"All in One" – Each of the compute capacity can power all the engines

There is no need to size in advance the individual engines, or to split the capacity across the engines

All Power BI Premium capacities are upgraded automatically to the Universal Compute Capacities, no additional purchase required

ISV Momentum

AVEVA

 dbt Labs

 Delphix

Epic

 esri

 Fivetran

 Informatica

 LSEG

 mongoDB

 Profisee

Qlik 

 sas

 striim

teradata.

 yugabyteDB

aka.ms/Ignite23BRK222H

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

Explore the Fabric Roadmap

Rapid pace of innovation

Jul 2023

Aug 2023

Sep 2023

aka.ms/FabricRoadmap



Microsoft Fabric

The data platform for the era of AI



Data
Factory



Synapse Data
Engineering



Synapse Data
Science



Synapse Data
Warehouse



Synapse Real
Time Analytics



Power BI



Data
Activator



OneLake

Complete platform for
all analytics workloads

Open at every layer, with
no proprietary lock-ins

Empower business users
with experiences deeply integrated
in Microsoft 365

AI Copilots to accelerate
productivity and discover insights

Q&A

