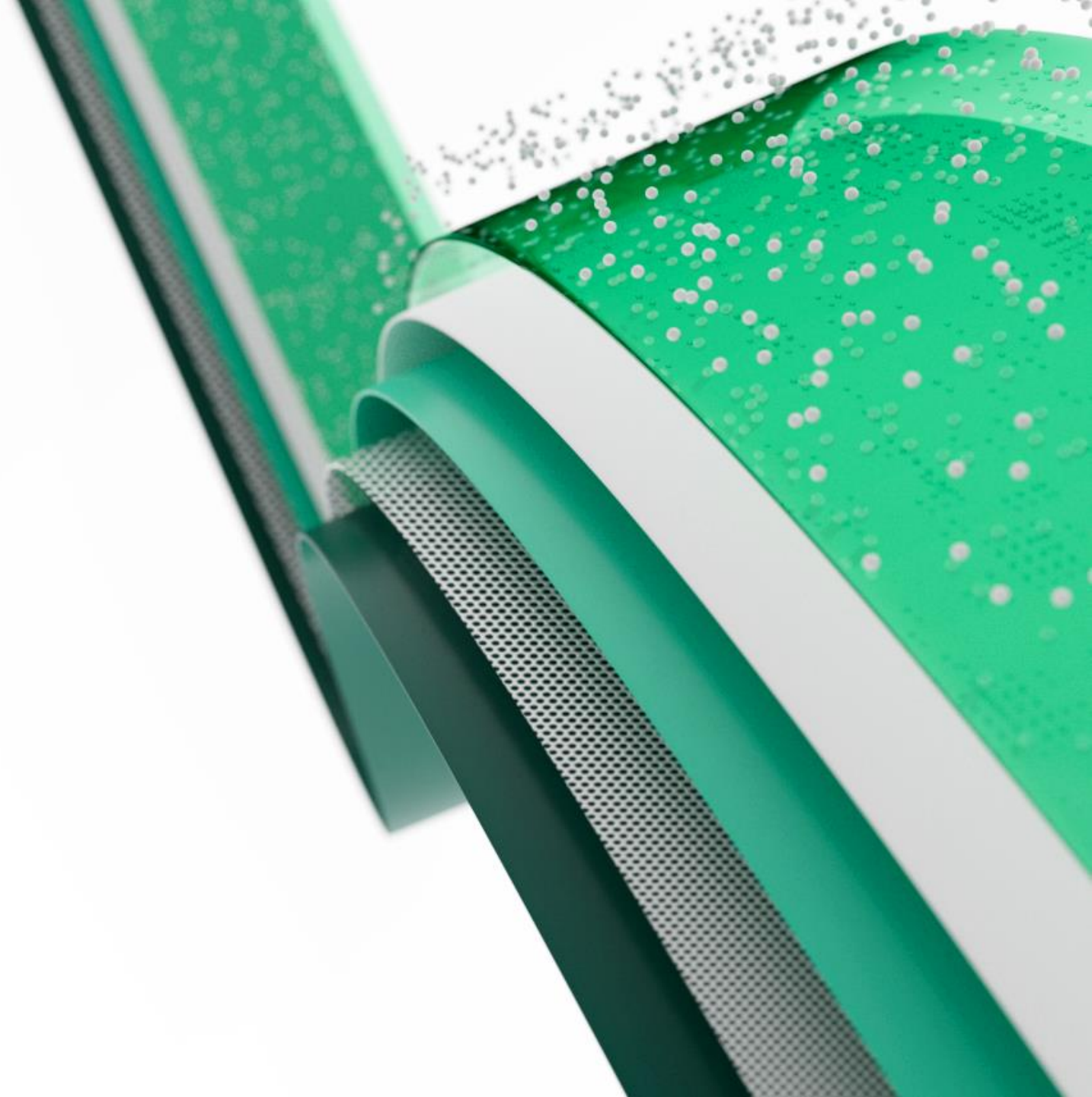




Fabric Espresso!



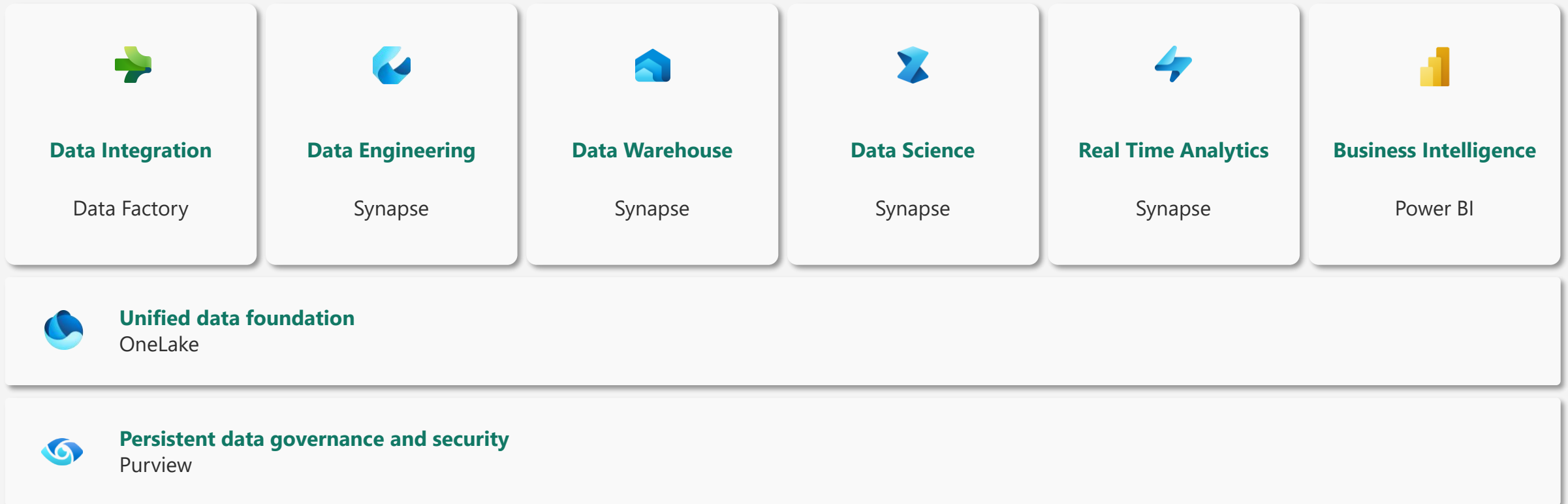
What is Microsoft Fabric

"Microsoft Fabric is an end-to-end analytics solution with full-service capabilities including data movement, data lakes, data engineering, data integration, data science, real-time analytics, and business intelligence—all backed by a shared platform providing robust data security, governance, and compliance."



Microsoft Fabric does it all—in a unified solution

Unified SaaS-based solution that stores all organizational data where analytics workloads operate



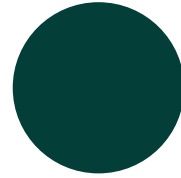


Building out a common architecture in one hour using Fabric!

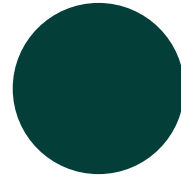


Topics covered today:

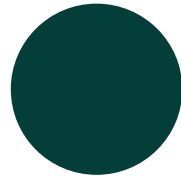
OneLake



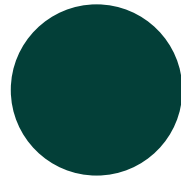
OneDrive for Data



One copy of your data across all compute engines

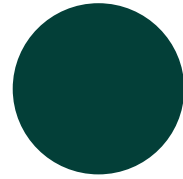


All built on Delta

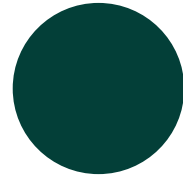


No silos

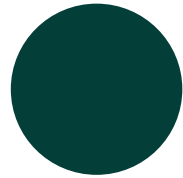
Data Integration



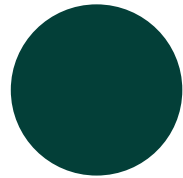
Moving data from sources to OneLake



Azure Data Factory pipelines



Shortcuts

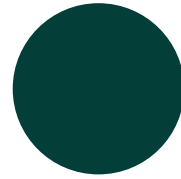


Data flows (Power query)

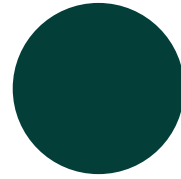
Demo: Moving data to OneLake

A hand in a light-colored sleeve points towards a map. The map is overlaid with a complex network of colored lines (blue, yellow, red, green) representing data paths or connections. The background is dark and slightly blurred.

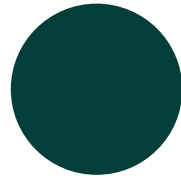
Data Engineering



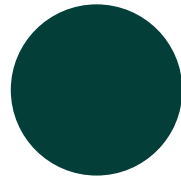
Single Node support



Lakehouse Endpoint



Fast startup times <10s

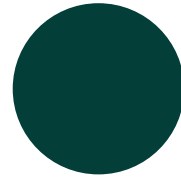


High Concurrency Mode

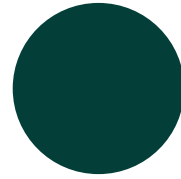
Demo: Creating a Silver Layer

A hand in a light-colored sleeve points towards a complex network diagram displayed on a screen. The diagram consists of numerous interconnected nodes and lines in various colors (blue, orange, red, green, purple). The background is dark, and the text 'Demo: Creating a Silver Layer' is overlaid in white.

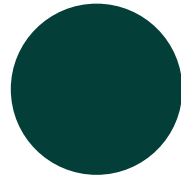
Data Warehouse



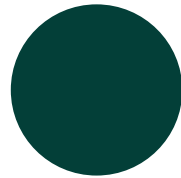
Single SQL engine for your workspace



Autonomous Workload management



Cross database querying



Lakehouse & Warehouse

Warehousing capabilities comparison

Warehouse vs SQL Endpoint

	Warehouse	SQL Endpoint
Licensing	Fabric or Power BI Premium	Fabric or Power BI Premium
Primary capability	Full data warehousing with full transactional support.	T-SQL querying and serving. Read-only.
Developer profile	SQL Developers or citizen developers	Data Engineers or SQL Developers
Recommended use case	<ul style="list-style-type: none">• Data Warehousing for enterprise use• Data Warehousing supporting departmental, business unit or self-service use• Structured data analysis in T-SQL with tables, views, procedures and functions and Advanced SQL support for BI	<ul style="list-style-type: none">• Exploring and querying delta tables from the lakehouse• Staging Data and Archival Zone for analysis• Medallion architecture with zones for bronze, silver and gold analysis• Pairing with Warehouse for enterprise analytics use cases

SQL endpoint vs Warehouse

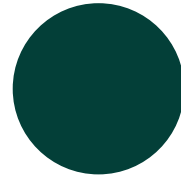
Continued

	Warehouse	SQL Endpoint
Development experience	<ul style="list-style-type: none">• Warehouse Editor with full support for T-SQL data ingestion, modeling, development, and querying UI experiences for data ingestion, modeling, and querying• Read / Write support for 1st and 3rd party tooling	<ul style="list-style-type: none">• Lakehouse SQL Endpoint with limited T-SQL support for views, table valued functions, and SQL Queries• UI experiences for modeling and querying• Limited T-SQL support for 1st and 3rd party tooling
Transaction support	ACID compliant	Read-only
T-SQL capabilities	Full DQL, DML, and DDL T-SQL support, full transaction support	Full DQL, No DML, limited DDL T-SQL Support such as SQL Views and TVFs

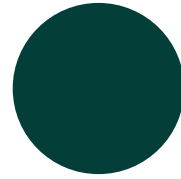
Demo: Using Lakehouse to Build Warehouse

A hand in a light-colored sleeve points towards a map. The map is overlaid with a complex network of colored lines (blue, orange, red, green) representing data or routes. The background is dark and slightly blurred.

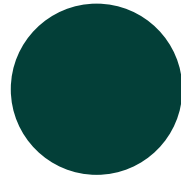
Direct Lake



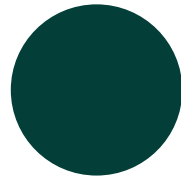
Direct Query Mode & Import Mode (Legacy)



Direct Lake Mode (Scans the OneLake)



Lakehouse Only

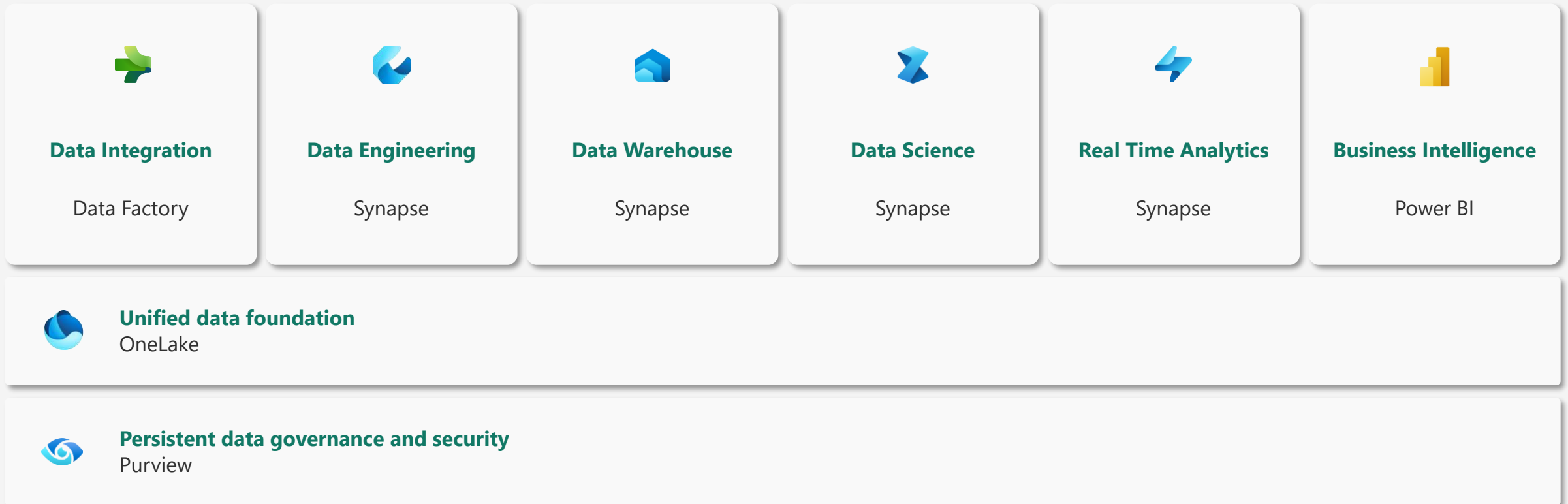


Demo: Direct Lake

A hand in a light-colored sleeve points towards a complex network diagram displayed on a screen. The diagram consists of numerous interconnected nodes and lines in various colors (blue, orange, red, green, purple). The text "Demo: Direct Lake" is overlaid in white on the diagram.

Microsoft Fabric does it all—in a unified solution

Unified SaaS-based solution that stores all organizational data where analytics workloads operate





Microsoft

Microsoft Fabric

Thank you!
Questions?

