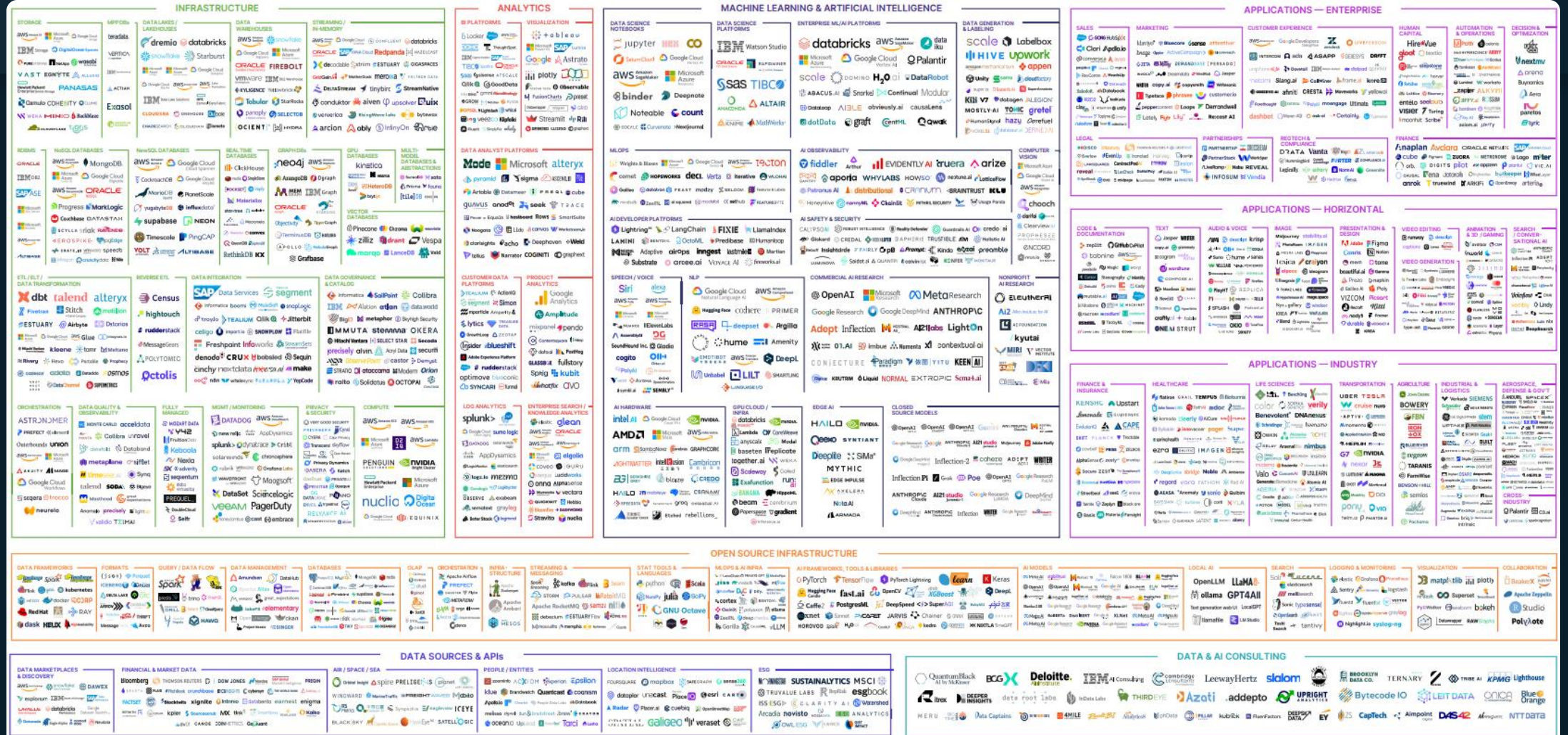




Future Proof Your Data Estate for AI Transformation with Microsoft Fabric

Sergio Zenatti Filho
Chief Cloud Solution Architect

The data and AI landscape





Azure SQL



SQL Server on Azure
Virtual Machines



Azure
SQL Database



Azure
Cosmos DB



Azure Database
for PostgreSQL



Azure Database
for MySQL



Azure Synapse
Analytics



Azure Data
Factory



Power BI



Data Warehouse



Data Lake



Azure Managed
Redis



Azure DB for
MariaDB

Multiple products, many capabilities



Azure
Service Bus



Azure Data
Explorer



Azure
Relay



Azure SQL
Managed Instance



Azure Event
Grid



Azure Event
Grid



Azure Data Lake
Analytics



Azure Stream
Analytics



Synapse Spark



Azure
Synapse Link



Azure
Cache for Redis



Azure SQL
DB Edge



Azure ML



Azure
HDInsight

Microsoft Recognition

Data Integration

Figure 1: Magic Quadrant for Data Integration Tools



Databases

Figure 1: Magic Quadrant for Cloud Database Management Systems



Artificial Intelligence

Figure 1: Magic Quadrant for Cloud AI Developer Services



Business Intelligence

Figure 1: Magic Quadrant for Analytics and Business Intelligence Platforms



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Microsoft Fabric

The unified data platform for AI transformation



Data
Factory



Analytics



Databases



Real-Time
Intelligence



Power BI

Fabric Platform



AI



OneLake



Governance

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Data
Factory



Connectors



Dataflows



Pipelines

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Analytics



Data Engineering



Data Warehouse



Data Science

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Databases



SQL Database
Preview



Cosmos DB
Preview

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Real-Time
Intelligence



Real-Time Hub



Eventstream



Event House



Activator

Fabric Platform



AI



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Power BI



Semantic Models



Exploration



Visualization



Chat

Fabric Platform



AI



OneLake



Governance

Unify data in OneLake with zero ETL

Shortcut & mirroring sources

Generally available



Azure
SQL DB



Azure Data
Lake store



Microsoft
OneLake



Google Cloud
Storage



Microsoft
Dataverse

Snowflake

Snowflake



Amazon S3



S3 Compatible
(cloud/On-prem)



Databricks
Catalog



Azure
SQL MI



Azure Blob
storage

Public preview



Azure
Cosmos DB



Azure
PostgreSQL



Oracle
DB



SQL
Server



Google
BigQuery



SQL
Server 2025

Google Cloud

Select a project

Search (/) for resources, docs, products, and more

Search

2

D

Explorer

+ Add data

IK

Search BigQuery resources

?

Show starred only

mirrорbugbash

contosoproject-469422

mirrорe2etest

retailgbq

Repositories

Queries

Notebooks

Data canvases

Data preparations

Pipelines

External connections

tpch

CUSTOMER_1M

LINEITEM

LINEITEM_5M

LINEITEM_60M

NATION

Filter

Enter property name or value

?

	Field name	Type	Mode	Key	Collation	Default Value	Policy Tags	Data Policies	Description
<input type="checkbox"/>	L_ORDERKEY	BIGNUMERIC	NULLABLE	PK	-	-	-	-	-
<input type="checkbox"/>	L_PARTKEY	BIGNUMERIC	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_SUPPKEY	BIGNUMERIC	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_LINEBIGNUMERIC	BIGNUMERIC	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_QUANTITY	NUMERIC	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_EXTENDEDPRICE	NUMERIC	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_DISCOUNT	NUMERIC	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_TAX	NUMERIC	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_RETURNFLAG	STRING	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_LINESTATUS	STRING	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_SHIPDATE	DATE	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_COMMITDATE	DATE	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_RECEIPTDATE	DATE	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_SHIPINSTRUCT	STRING	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_SHIPMODE	STRING	NULLABLE	-	-	-	-	-	-
<input type="checkbox"/>	L_COMMENT	STRING	NULLABLE	-	-	-	-	-	-

Edit schema

View row access policies

Repository

Preview

Job history

Refresh

^

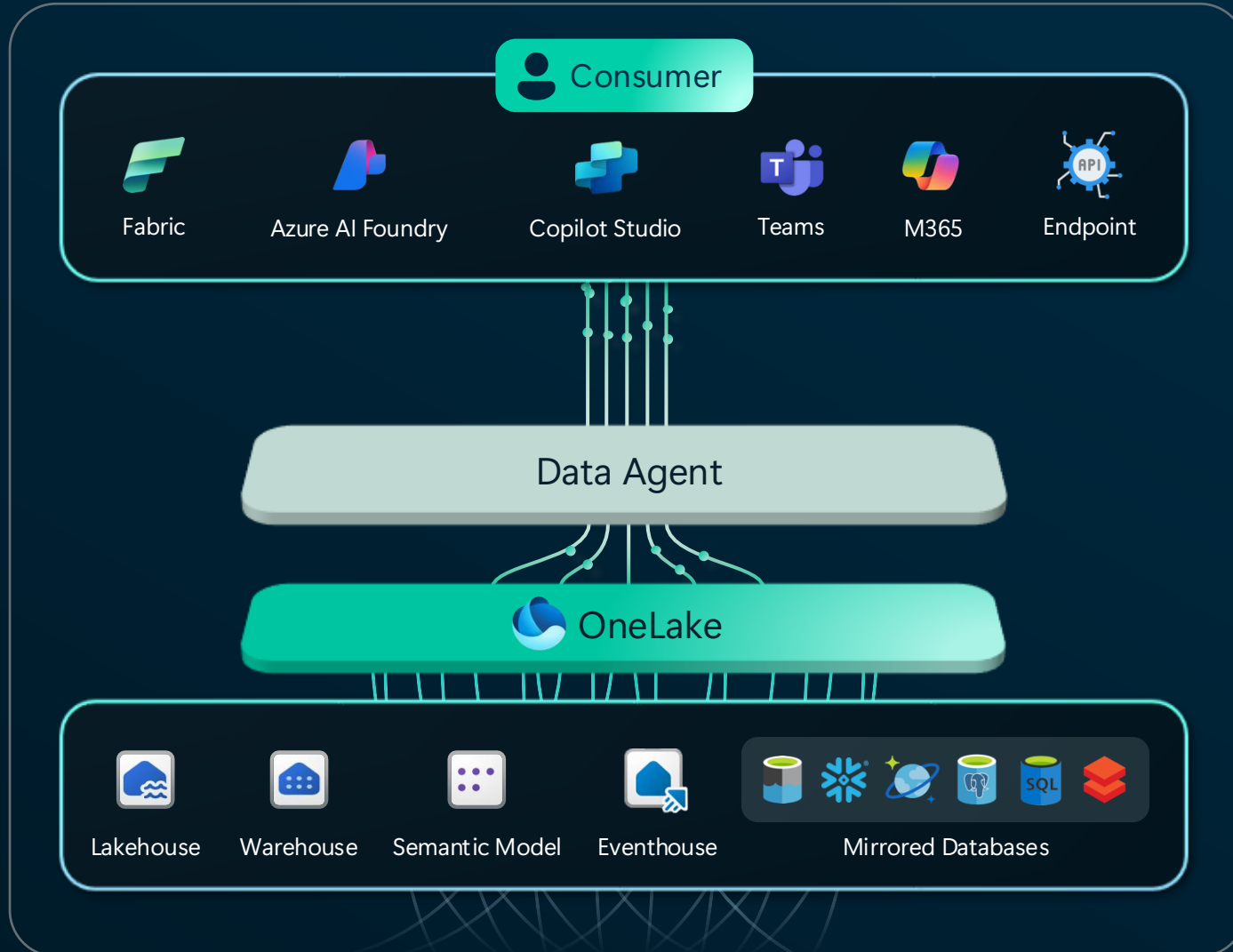
NATION

Tap to open in current tab


(Ctrl + Tap - open in new tab,

Shift + Ctrl + Tap - open in split tab)


Fabric data agents



A virtual analyst that allows users to interact with enterprise data in OneLake

 **New** Seamlessly reason over data in OneLake, including mirrored databases to create a powerful data expert tailored to your data domain

 **New** Support for data agents in Git and deployment pipelines, enabling agent ops for more streamlined AI development

 **New** Invoke data agents externally with detailed responses including SQL query execution steps



Fabric

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Perth Microsoft Data, Analytics and AI



Thank you!

Q&A



 /sergiozenatti