Build a Fabric Real-Time Intelligence solution in One Day

Handling data in motion with the speed of light

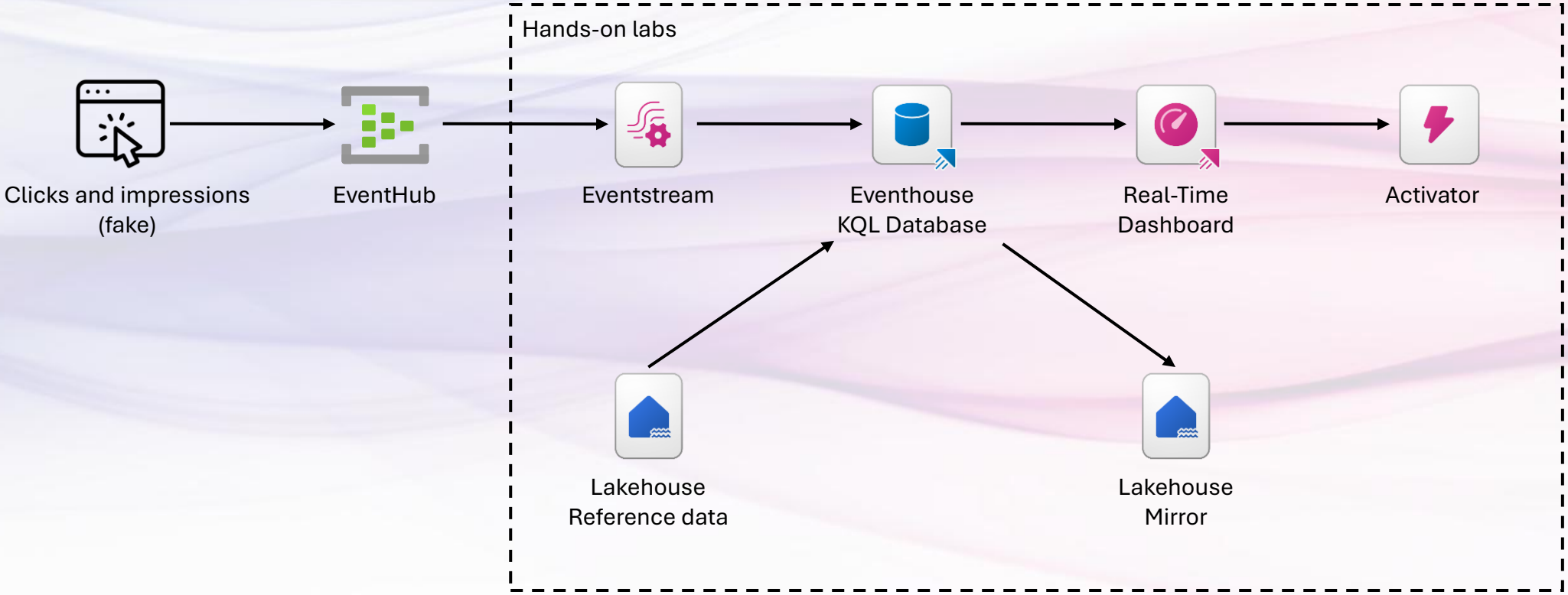
WiFi

WIFI: MSFTGUEST

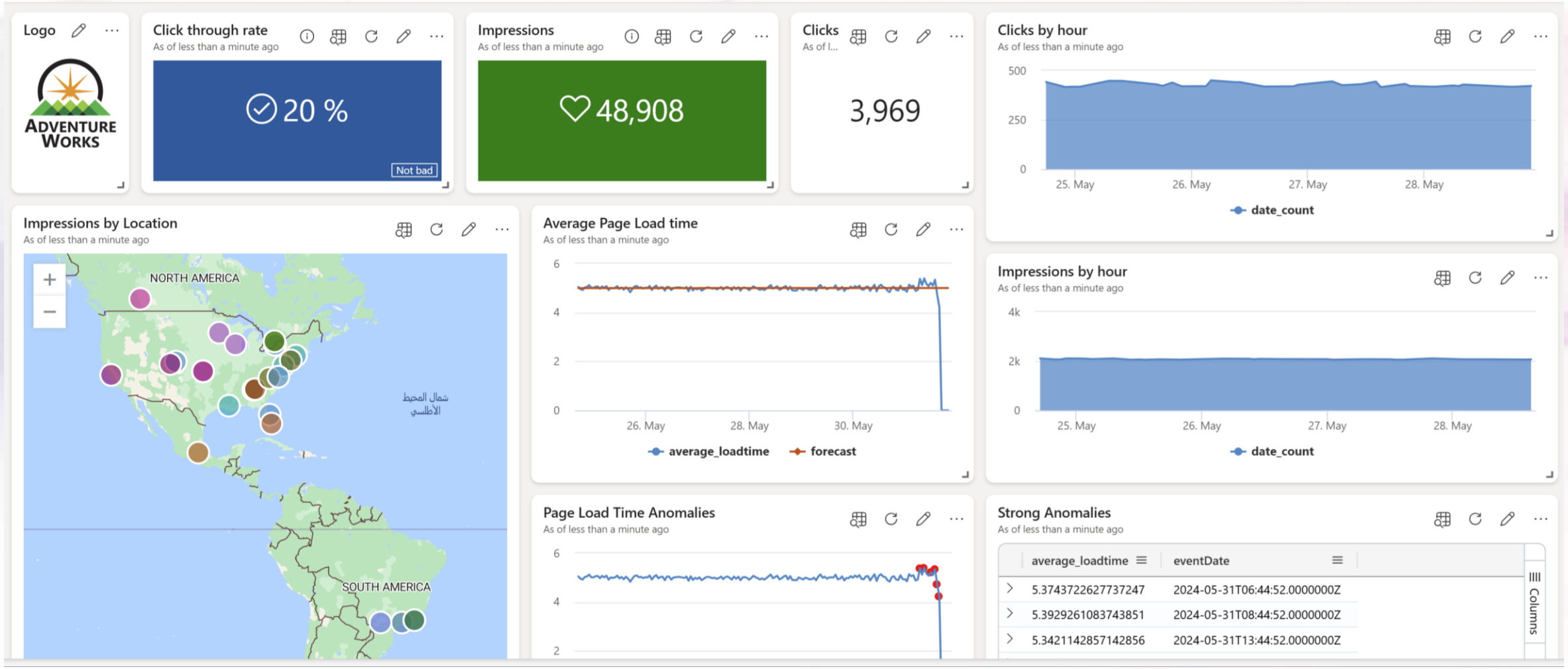
Event attendee code

PASS: msevent100dm

What we are building today



What we are building today

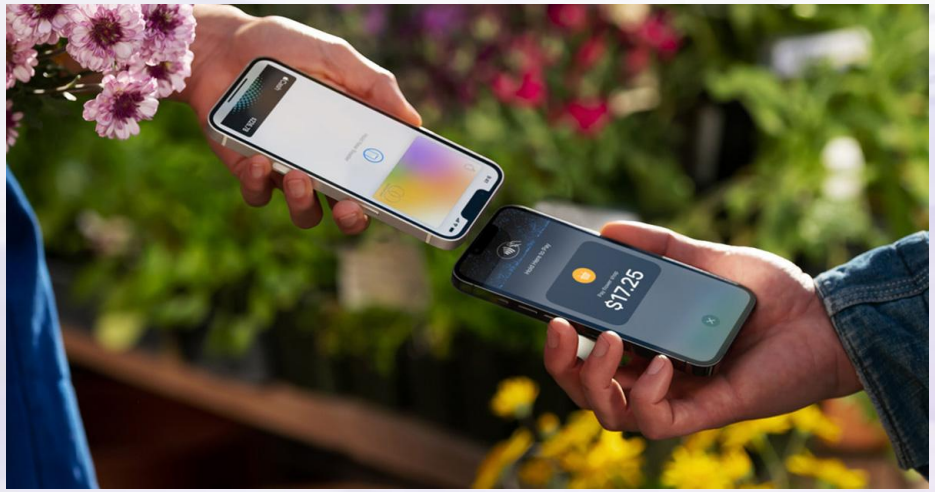


Agenda

- Introduction
- Overview of Fabric Real-Time Intelligence
- Eventstream & Real-Time hub
- Eventhouse
- External data
- Event driven actions
- Real-Time Dashboard and Org Apps
- Cost

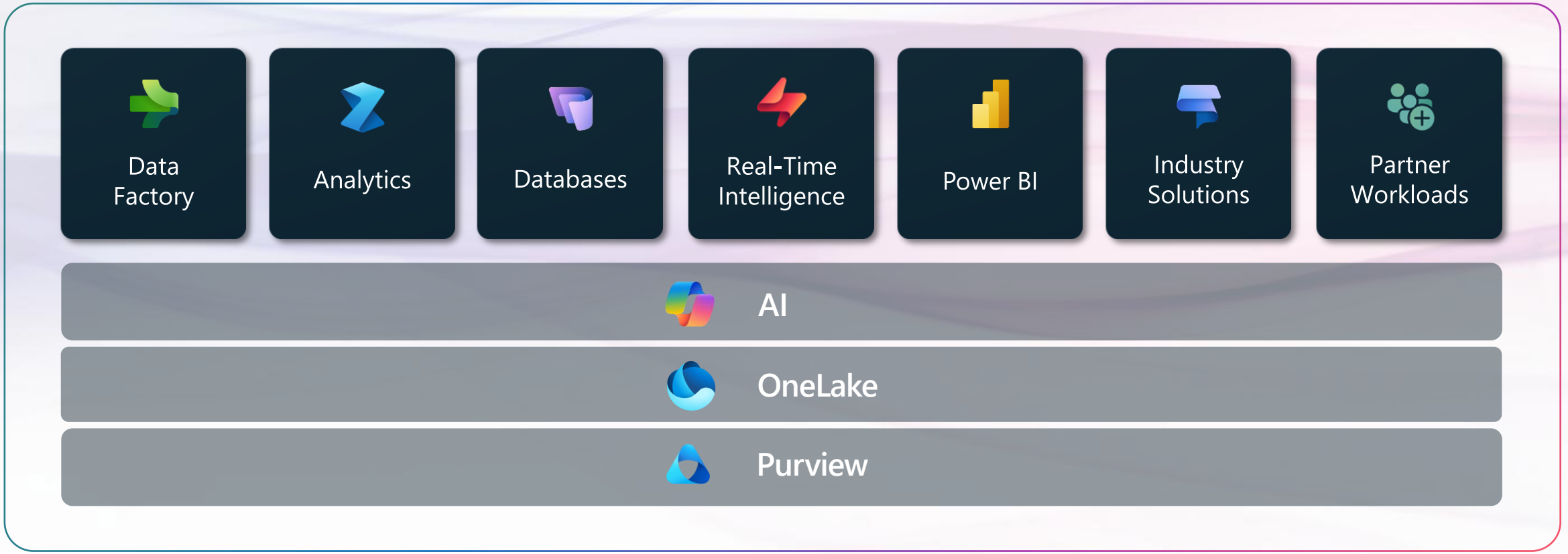
What is Real-Time Intelligence

And should I really care?



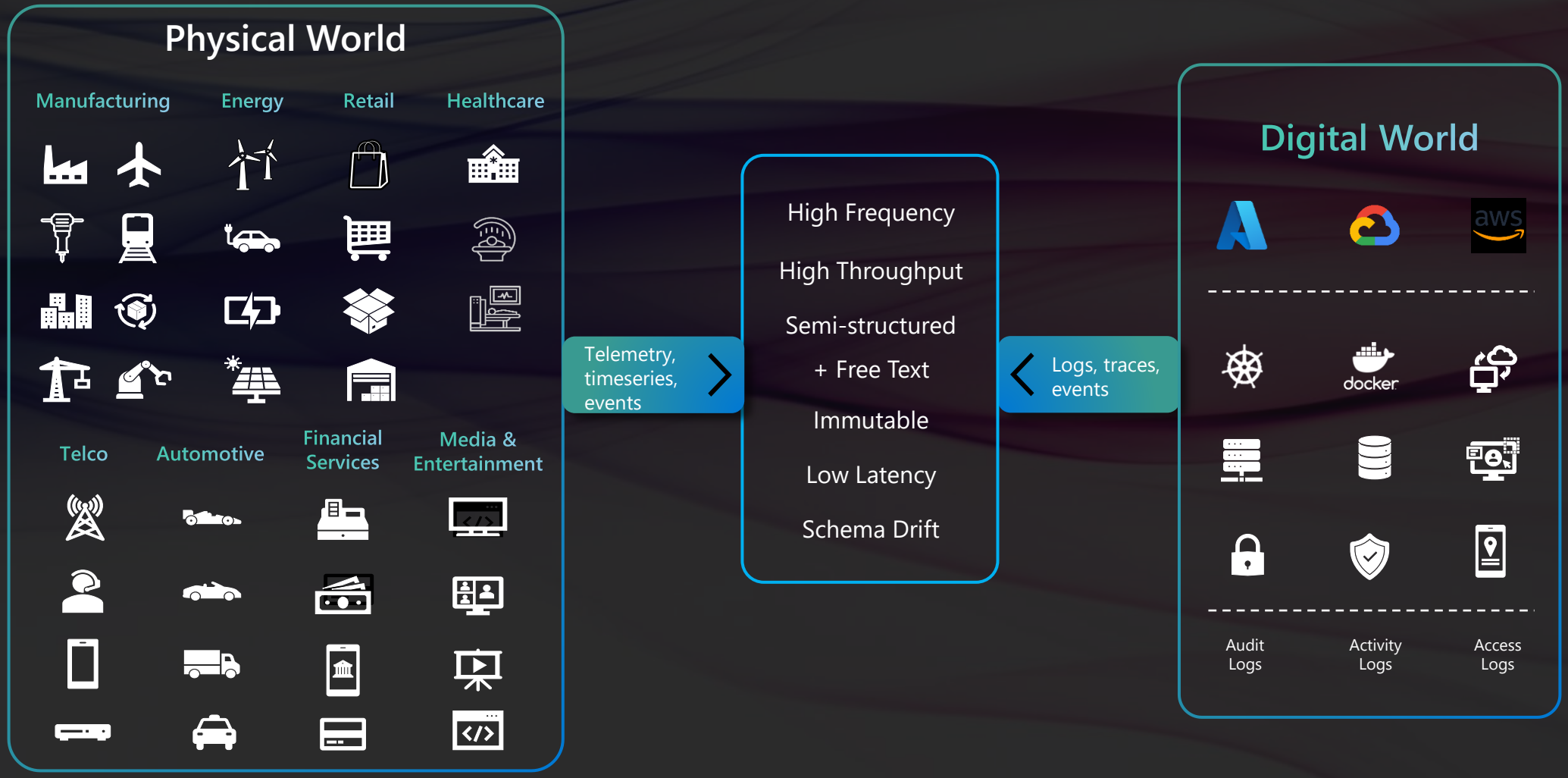
Microsoft Fabric

The unified data platform for AI transformation



Time based data:

difficult to manage, yet critical for success



Planet-scale infrastructure

for real-time data

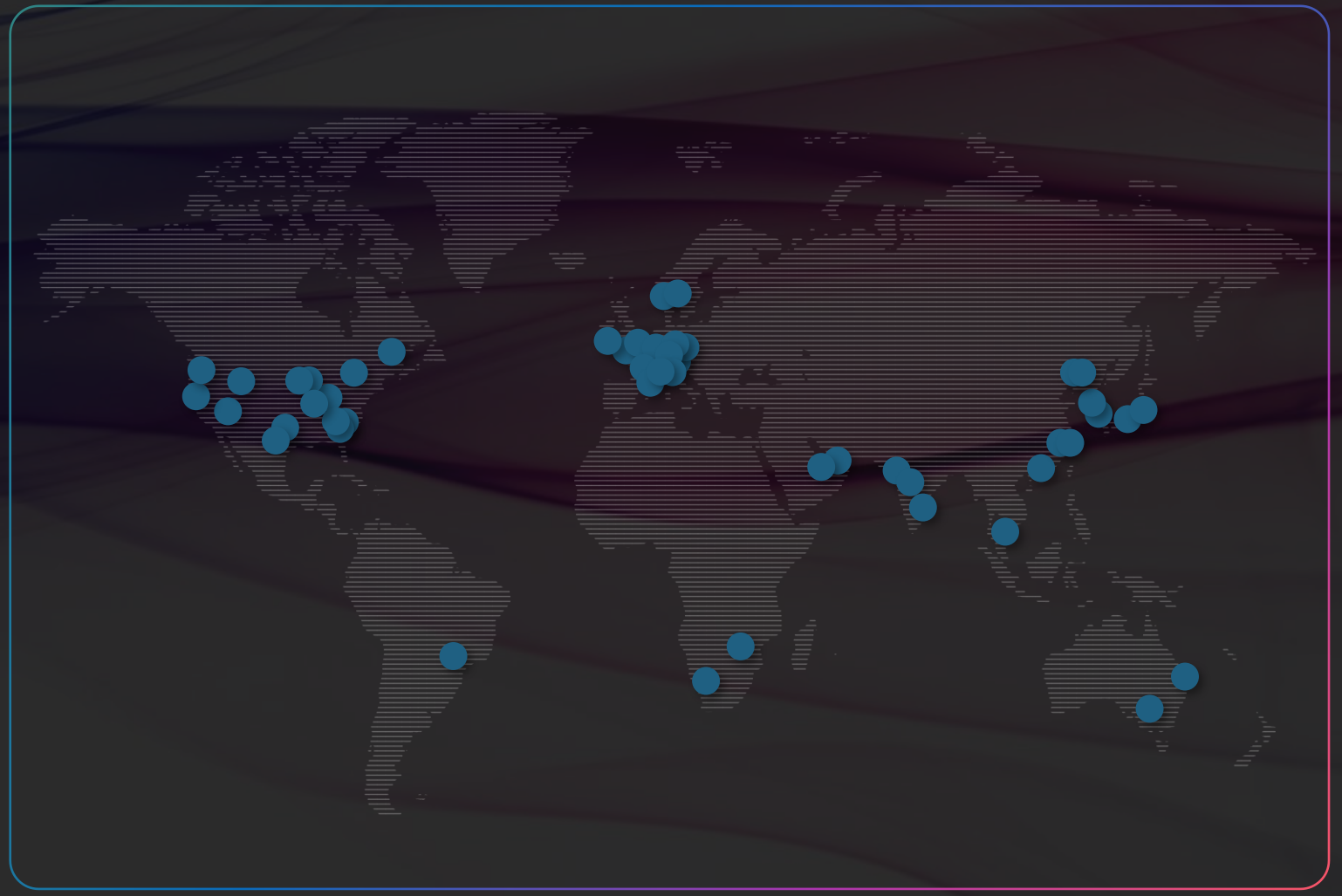
8.3 EB
Events and logs per month

300 PB
Ingested daily

4.2 B
Real-time queries per day

15.5 T
Streaming events processed monthly

99.9992%
Success rate across messaging



Real-Time Intelligence
in Microsoft Fabric

Enterprise real-time data platforms

Azure Event Hubs

Azure Event Grid

Azure Stream Analytics

Azure Data Explorer

+

Self-service reporting and activation

OneLake

Data Activator

Power BI

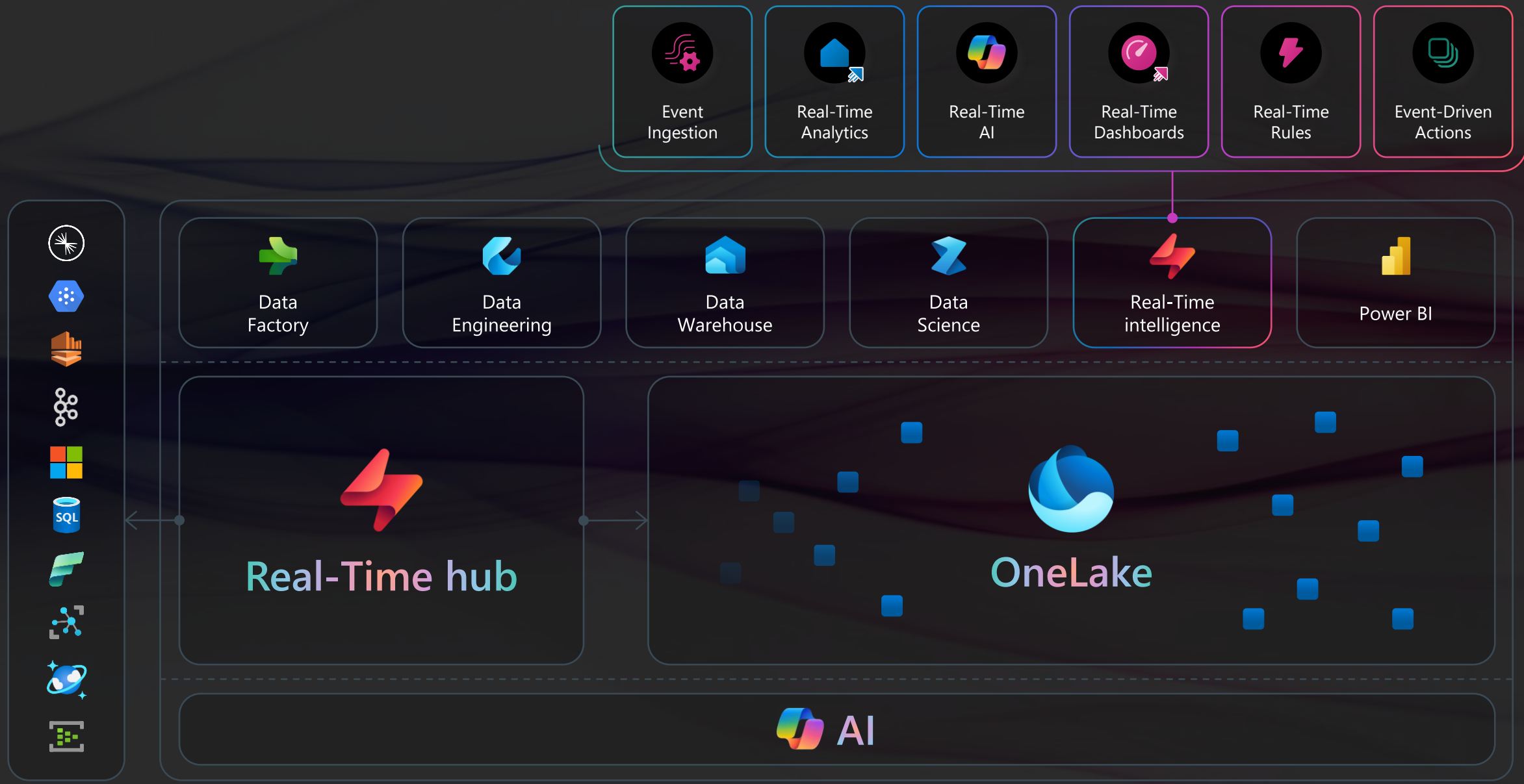
=

Real-Time Intelligence in Microsoft Fabric

Fully integrated

No/low-code real-time SaaS

Data platform


Event Ingestion
Real-Time Analytics
Real-Time AI
Real-Time Dashboards
Real-Time Rules
Event-Driven Actions
Data Factory
Data Engineering
Data Warehouse
Data Science
Real-Time intelligence
Power BI
SQL
Real-Time hub
OneLake
AI

Lab intro &
Lab part 1

Lab intro &
Lab part 1

User: oslo<number>@probi.dk

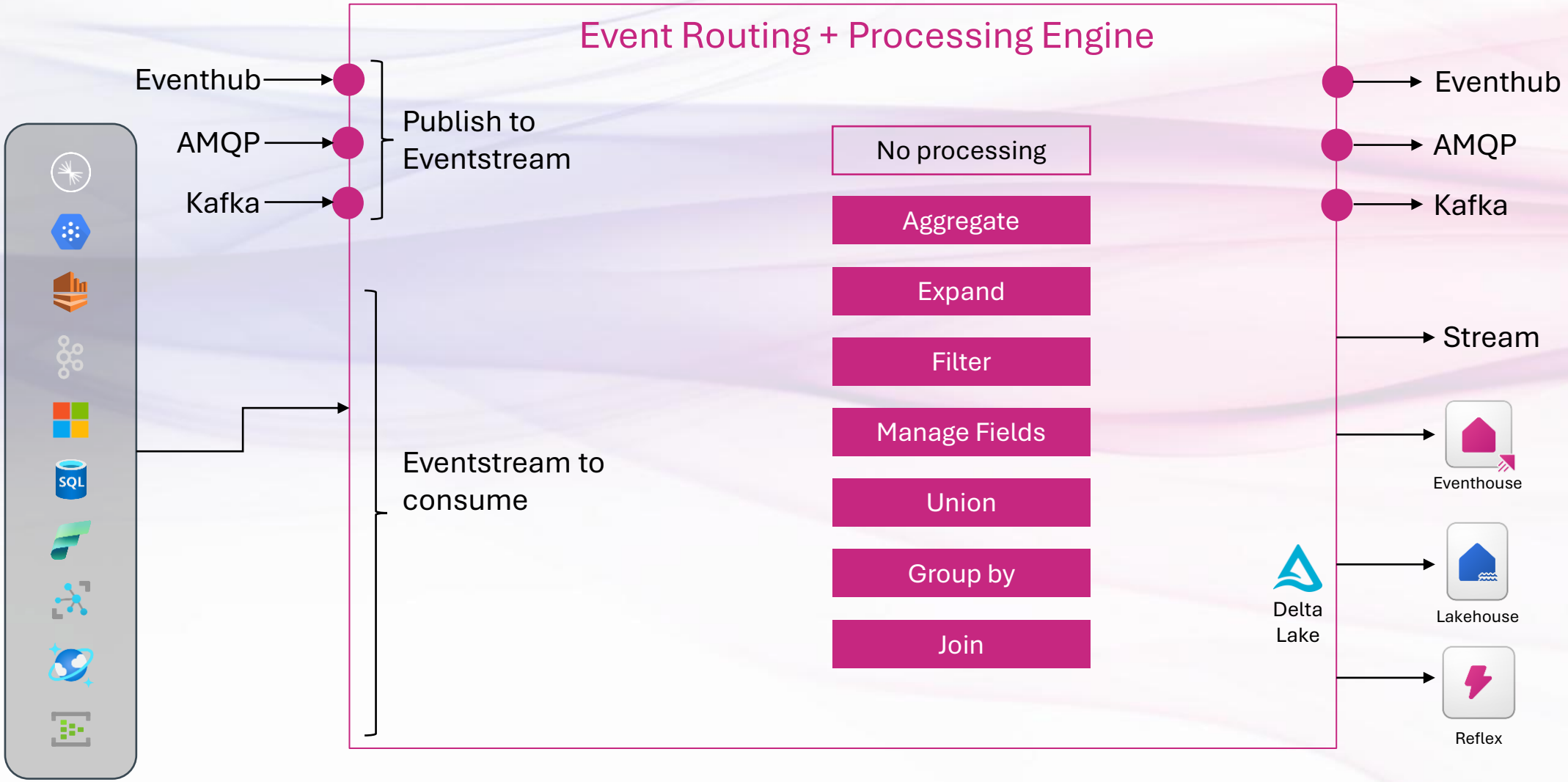
Password: Password123!

Lab intro &
Lab part 1

https://aka.bi/rti
Part 1-5

Eventstream

Your go-to Fabric item for stream ingestion



Eventhouse

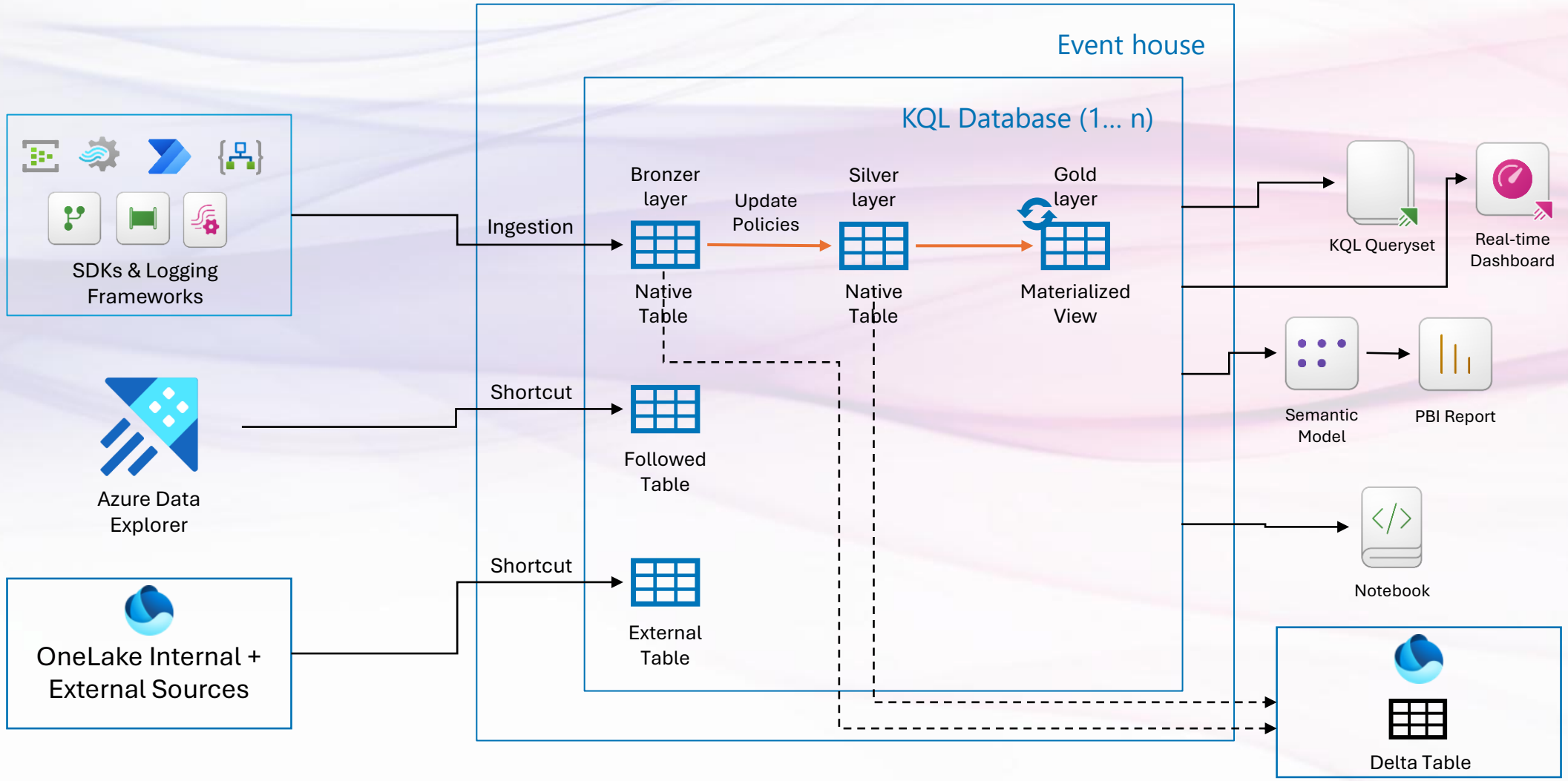
Store and query your data on the go

Advanced Analytics	Python support	Timeseries, geospatial, machine learning	Copilot	Plugins
Data modelling	KQL or SQL Dialect	Streaming or Queued Ingestion	Policies, Function, Materialized View	1 broad table is fine
Data store	Column Store	Compressed by default	Partitioned by time (additionally by hash column)	Each column indexed
Under the hood	Blob/Onelake as persistence layer	SSDs as Cache layer	Auto scaled compute	Separation of ingestion and engine compute

LUNCH BREAK

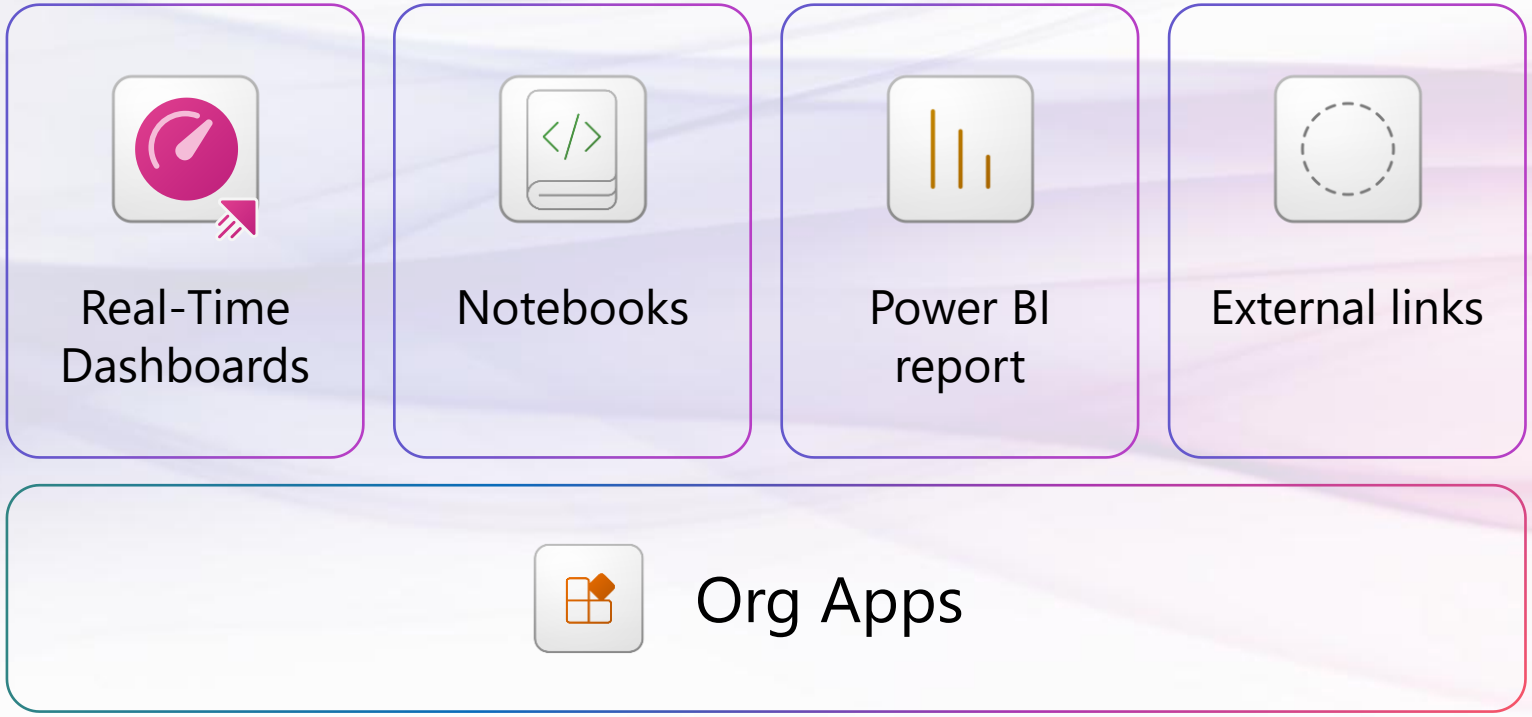
Workshop starting again at 14:00

Eventhouse Data Modelling



Dashboard and Org Apps

Visualize and share



Lab part 2

Lab part 2

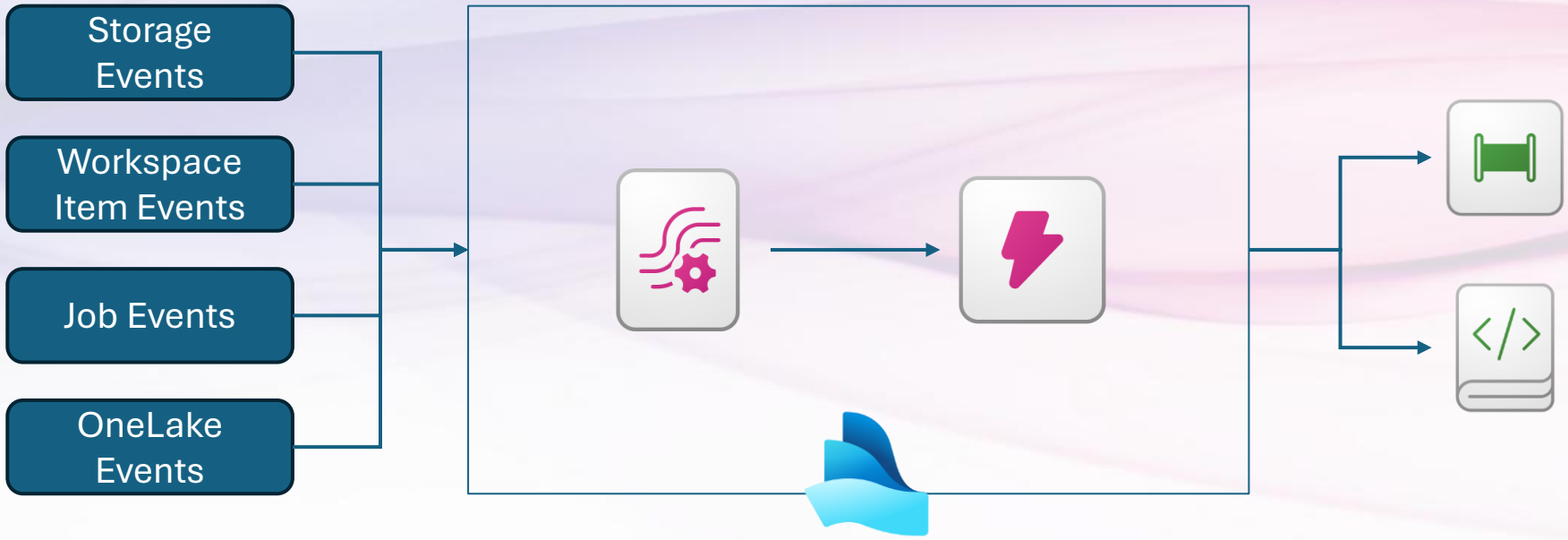
https://aka.bi/rti
Part 13-15

Coffee break

Workshop starting again at 11:00

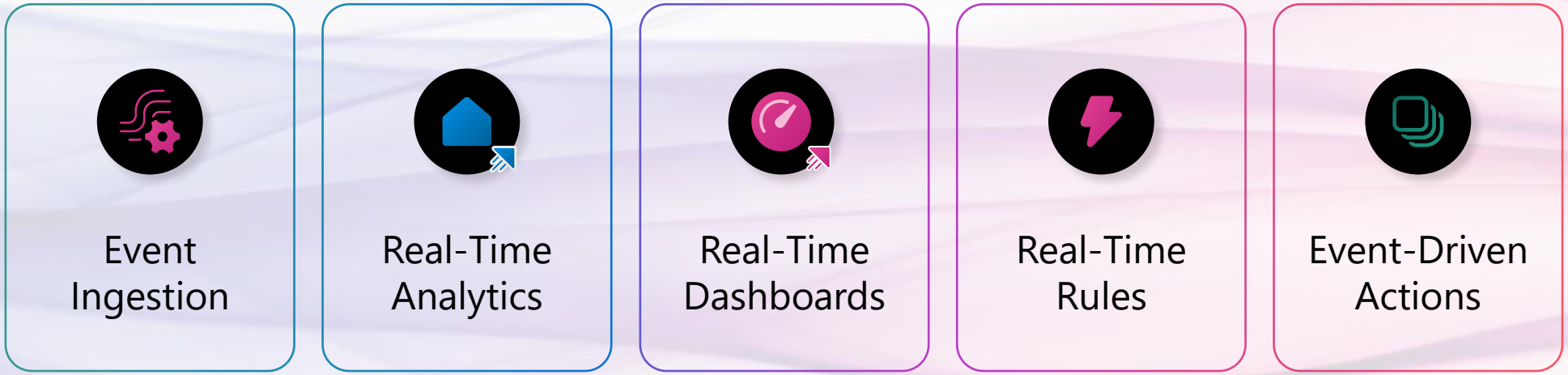
Event driven actions

Have your event drive your data



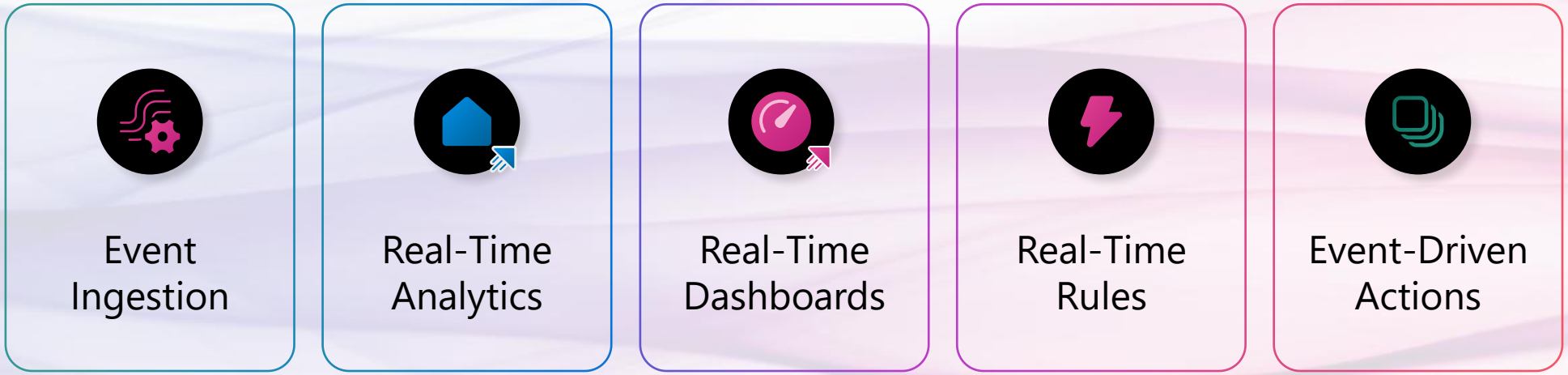
Cost

It depends



Cost

It depends



aka.bi/rticostes

aka.bi/rticosteh

aka.bi/rticostact

4-5 CUs per user today

Links

Github.com/brianbonk

https://kql.how

https://dcode.bi

https://aka.ms/realtimeintelligence

Build a Fabric Real-Time Intelligence solution in One Day

THANK YOU