

# Welcome Frankfurt!

## Microsoft Fabric Monitoring

Azure Meetup  
Frankfurt 2025



# Welcome Frankfurt!



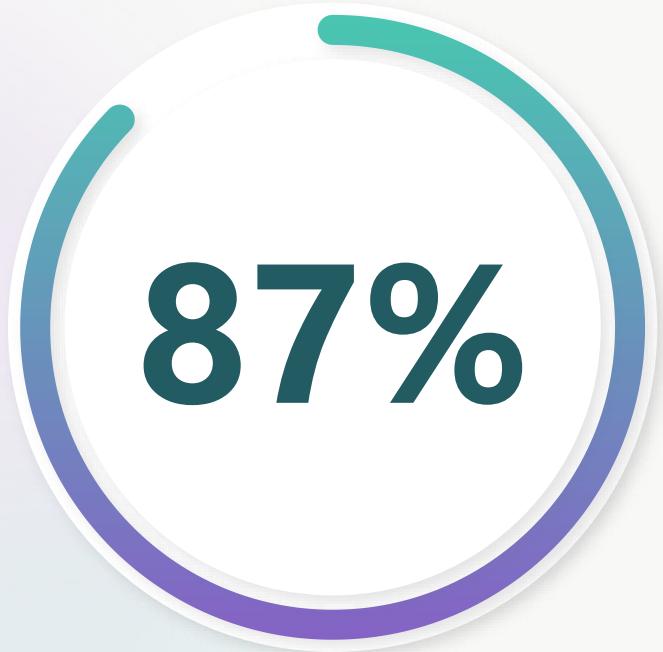
**Iris Kaminer**

Principal Program Manager  
Microsoft



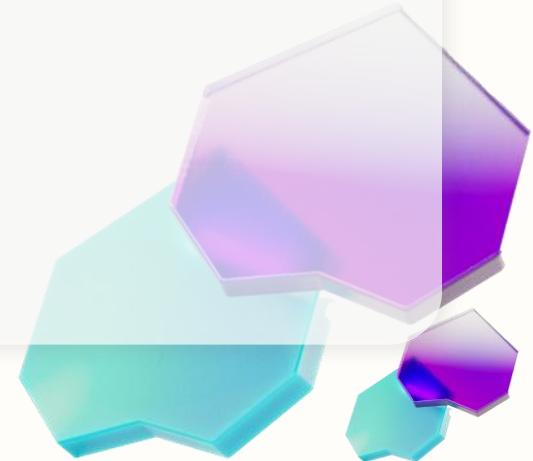
**Gellert Gintli**

Cloud Solution Architect  
Microsoft



of organizations believe  
AI will give them a  
competitive edge

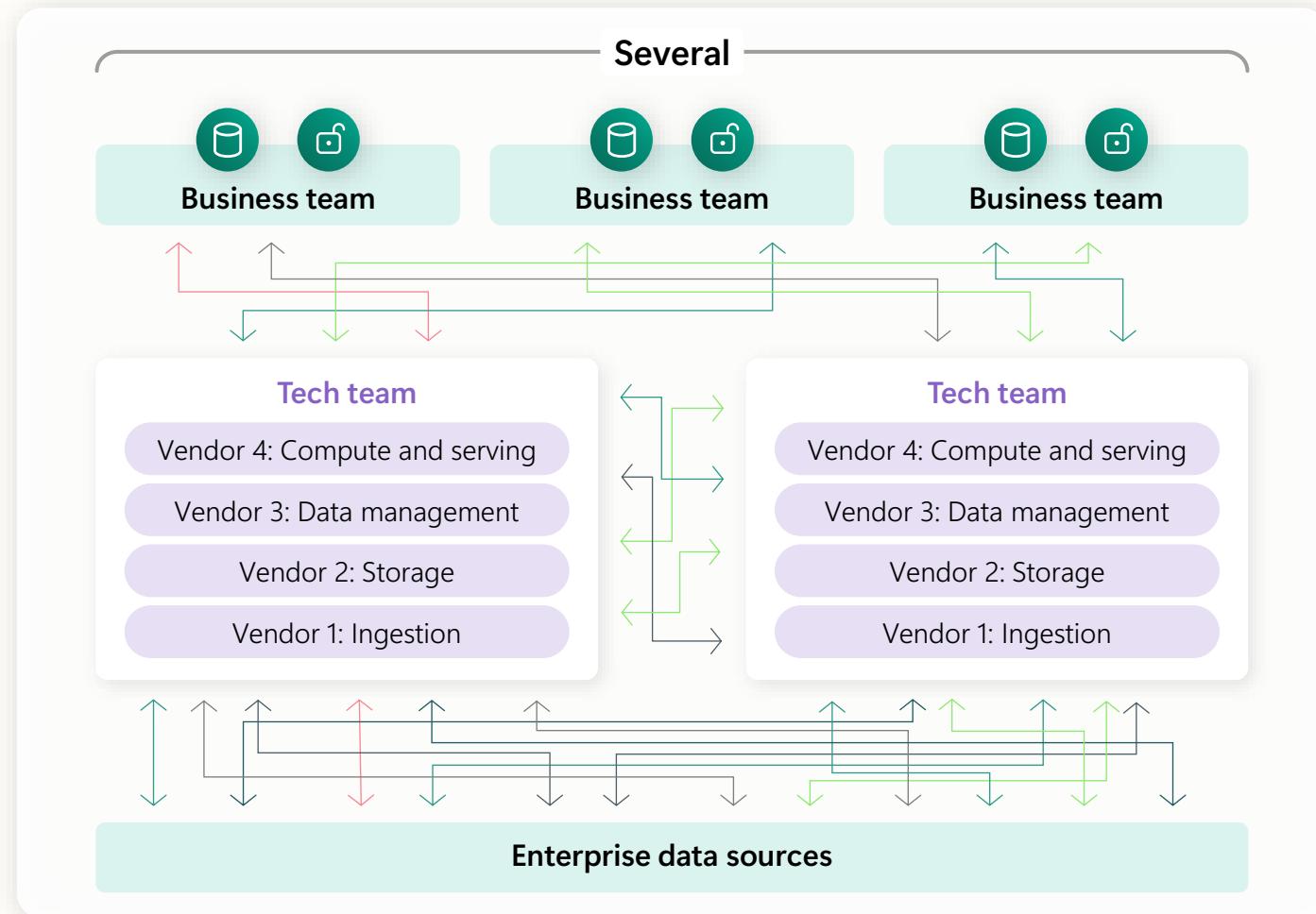
Source: [MIT Sloan Management Review](#)



CIOs are accelerating their  
efforts to bring AI to their  
data estate

# The starting line

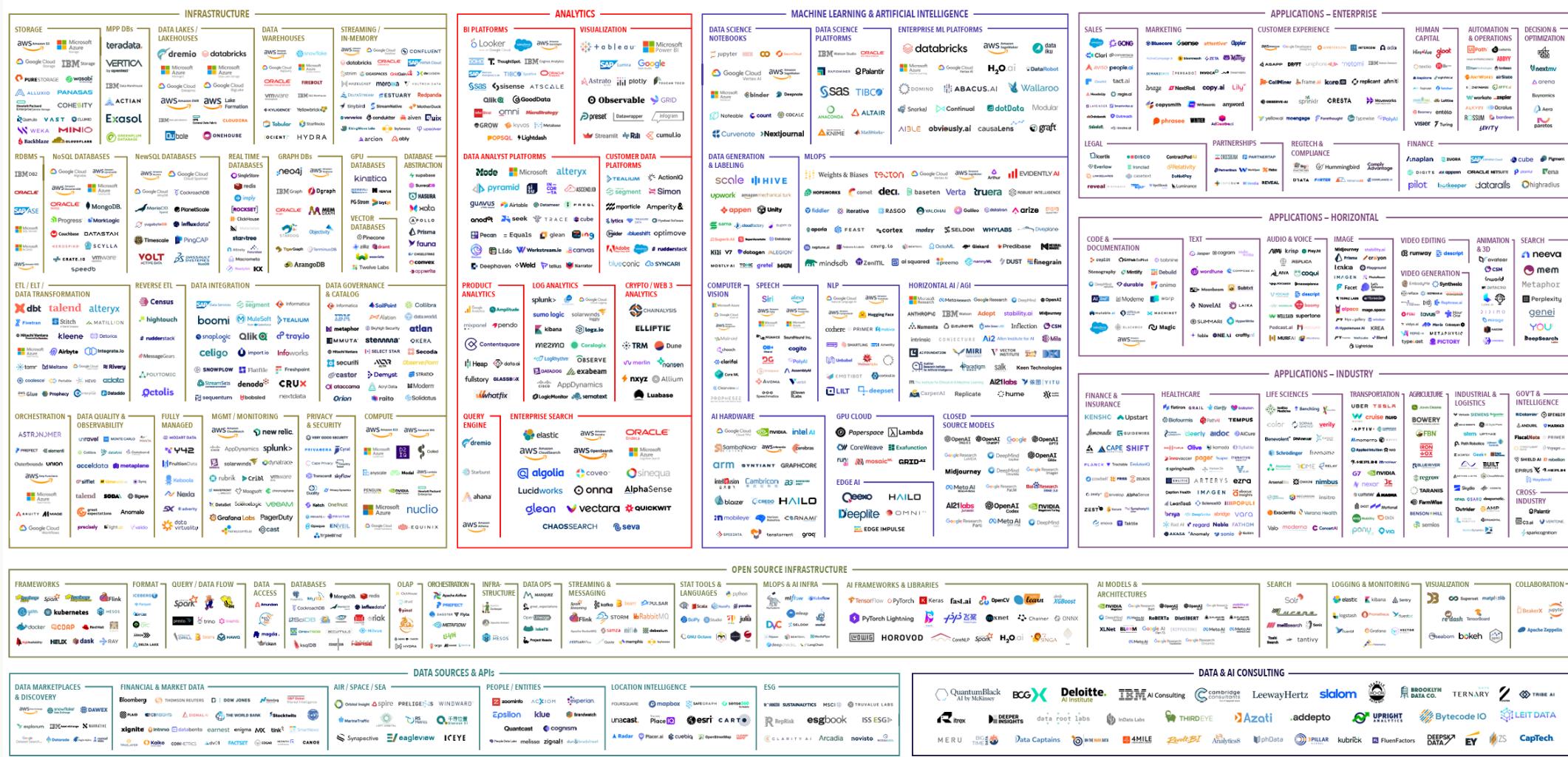
A complex, organically evolved data estate



- 1 Data copies and infrastructure inefficiencies
- 2 Limited interoperability between vendor services
- 3 Data exposure risks



# Customers enhancing their data estate face immense complexity



Version 1.0 - Feb 2023

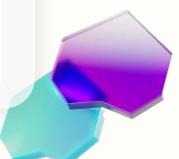
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Blog post: mattturck.com/MAD2023

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FIRSTMARK  
EARLY STAGE VENTURE CAPITAL

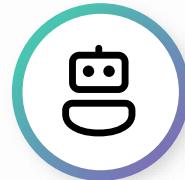




# Microsoft Fabric

A unified, AI-powered data platform to simplify data management and analytics.

# How can Microsoft Fabric help me?



Fuel your AI innovation



Empower every business user



Establish a trusted data foundation



Unify your analytics on a complete, governed platform





# Microsoft Fabric



Monitoring & Diagnostic



Copilot in Fabric



Data  
Factory



Data  
Engineering



Data  
Warehouse



Data  
Science



Real-Time  
Intelligence



Power  
BI



Partner &  
Industry  
workloads



OneLake



Microsoft Purview

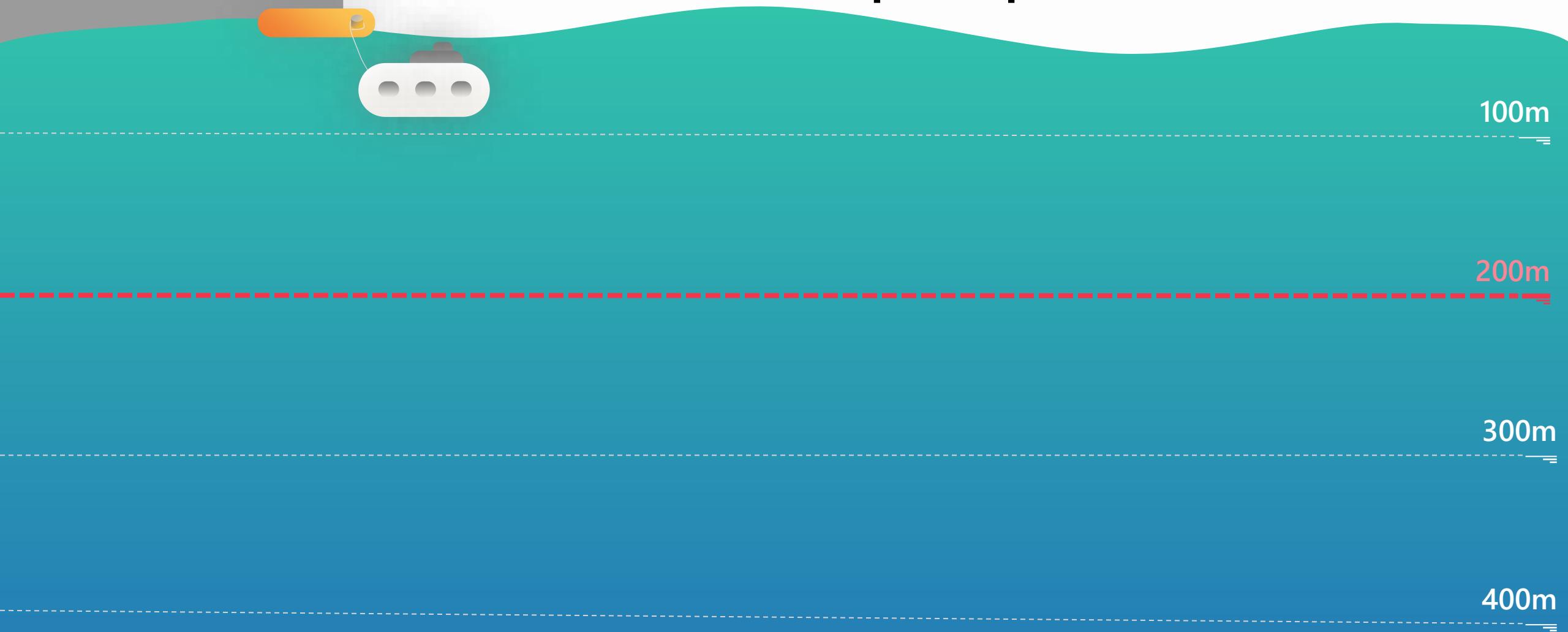
# This is Fred

He is a **captain** of a  
**scientific**  
**submarine.**





Sometimes, he **needs to dive into unknown waters.**  
**But...**his submarine is **waterproof up to 200 m.**





Fred gets the info ...



100m

200m

300m

400m



...that some **Microsoft folks** can **deliver** him a  
**high-tech submarine** to **explore** the ocean.



100m

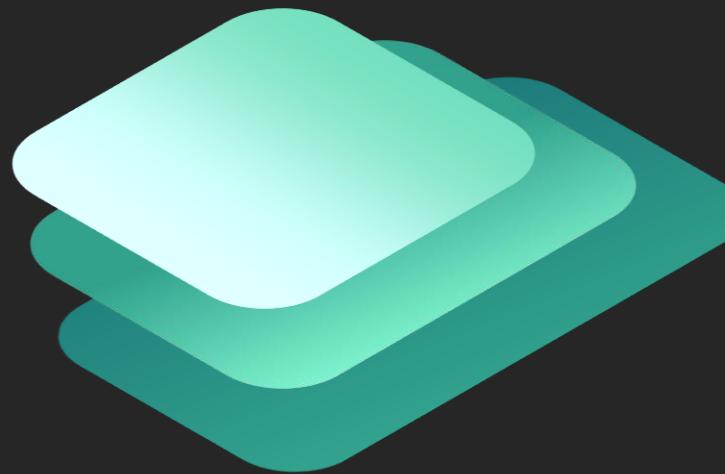
200m

300m

400m

# FUAM

Fabric Unified Admin  
Monitoring



Tenant Meta Data



Activity Logs



Capacity  
Refreshables

# FUAM ??



## What?

FUAM is a **solution template to enable a holistic monitoring** on top of Power BI/Fabric environment.



## Why?

**Time is the most valuable,** what we have.



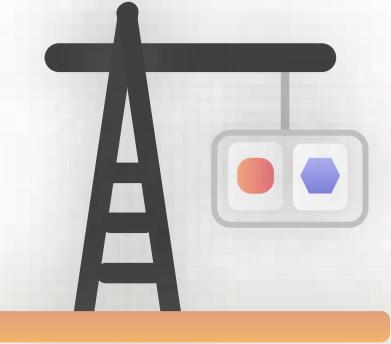
## How?

FUAM consolidates information like:

- **Tenant inventory** (meta data)
- **Capacity insights**
- **Report Usage**
- **Active Users**

and more

# FUAM | Why a solution accelerator?



**No need** to build your own tenant monitoring solution.



**You can save time**



**You can analyse your tenant with ease**



**It is easy to deploy**



**FUAM Basic is publicly available on Github**

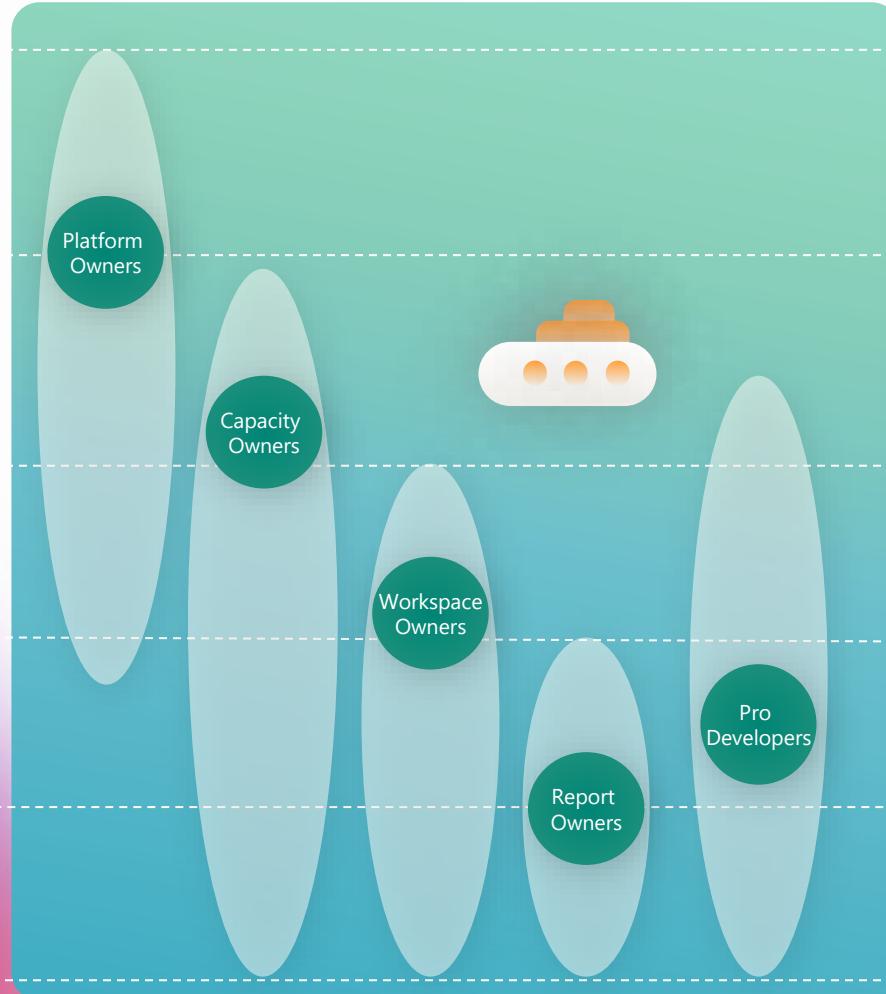


**It consumes only a little bit CU**



## The Crew

Possible focus areas of your crew in Fabric monitoring



## FUAM monitoring stack

### Fabric tenant

#### Environment

tenant level

Tenant overview  
with enriched info

Item & User activities  
with anomaly detection

"What is happened on my tenant?" - Analysis  
Comprehensive insights of the entire tenant by days

#### Capacities

capacity level

(FUAM Plus feature)  
Historical Capacity Metrics  
with refresh metrics

(FUAM Plus feature)  
Intelligent Outlier Analysis  
Top N items with high CU usage

#### Domains

domain level

Domain Overview  
with related capacity, activity and inventory data

#### Workspaces

Workspace level

Workspace characteristics + Workspace Monitoring (if needed)  
With enriched info about items, capacity metrics (FUAM Plus feature), activities, etc.

#### Semantic model

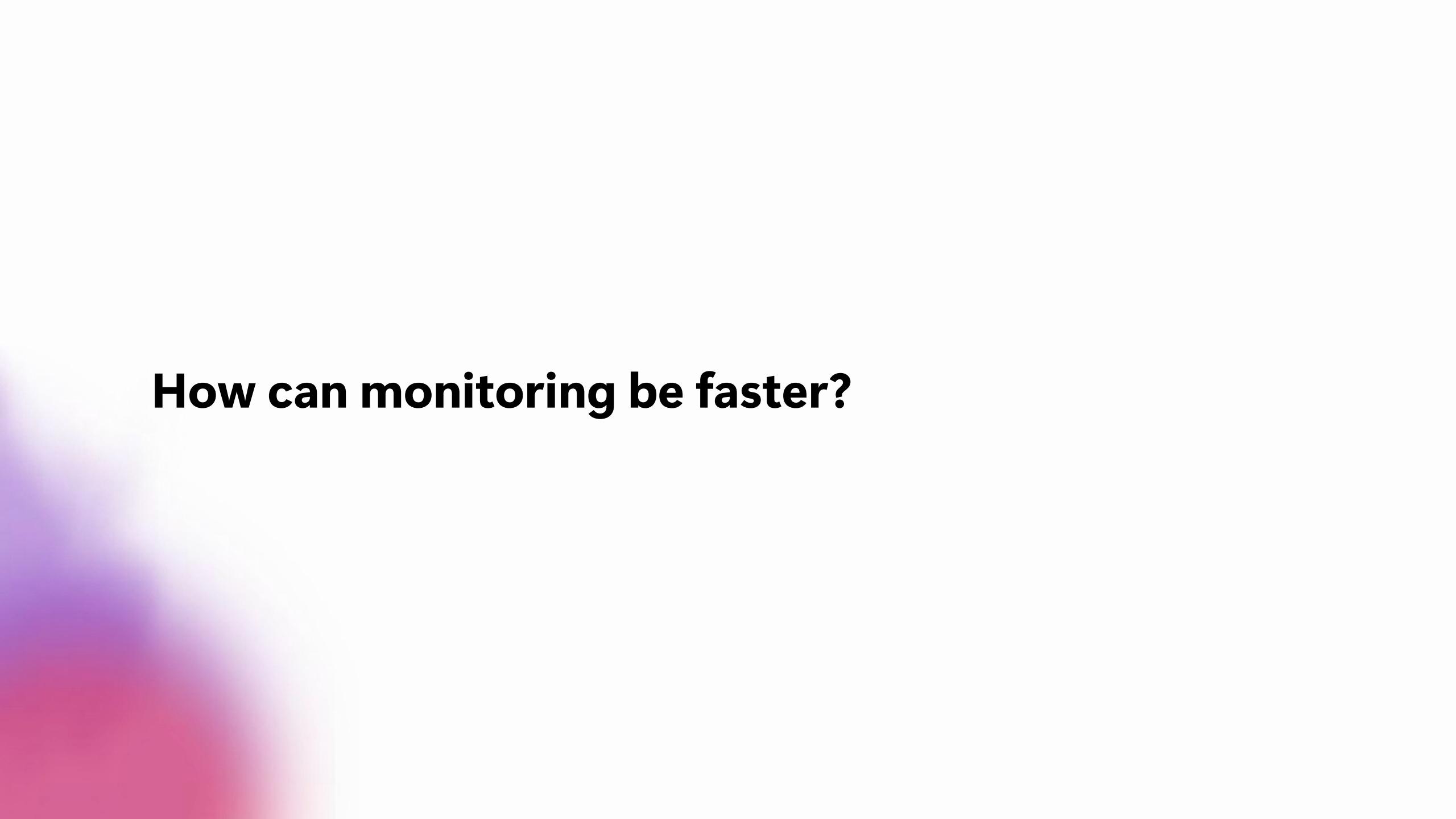
engine level

TMMDA  
Advanced semantic model analysis report

Semantic model Insights  
enriched with CU utilizations, refresh history and more

Seamless breakdown analysis between levels

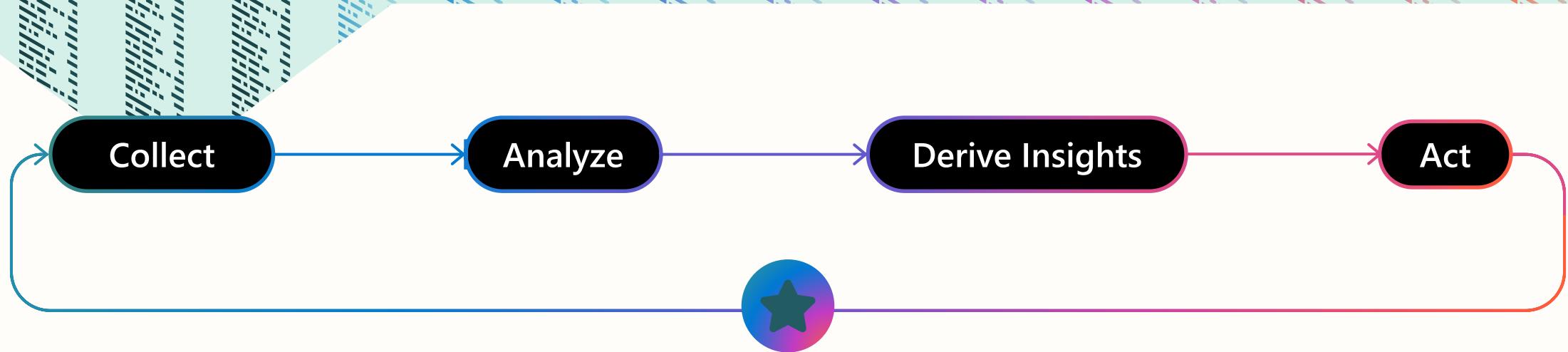
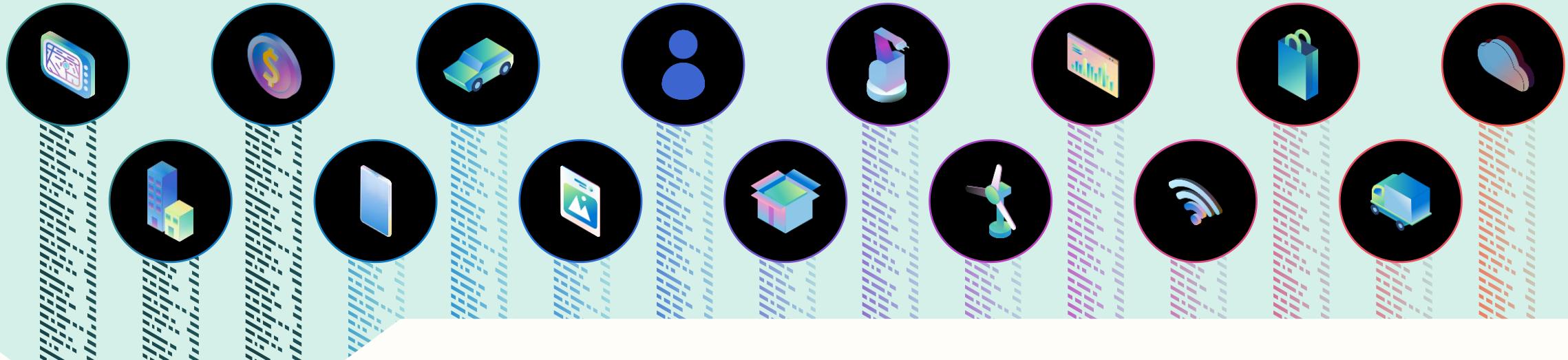
# **Demo**



# **How can monitoring be faster?**

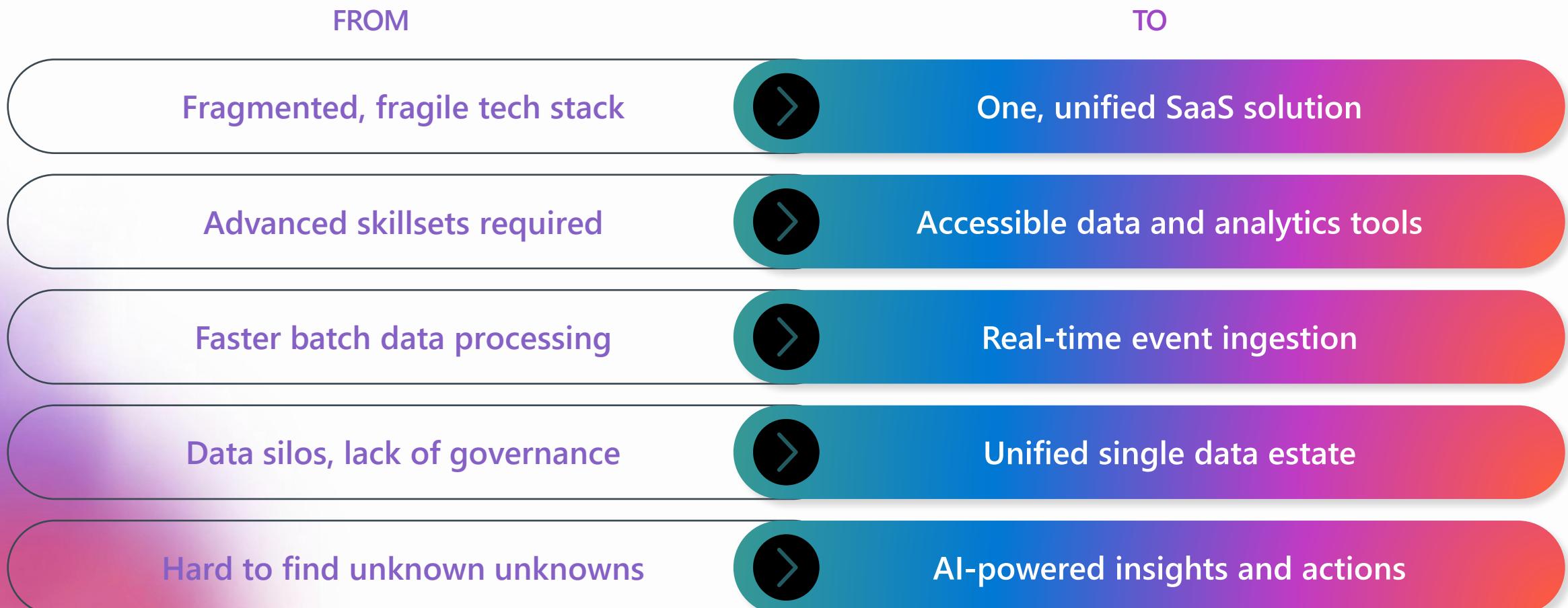


**The power of Real-Time-Intelligence**  
in Microsoft Fabric



**Accelerated by AI**

# Companies need a unified platform for developing real-time data solutions



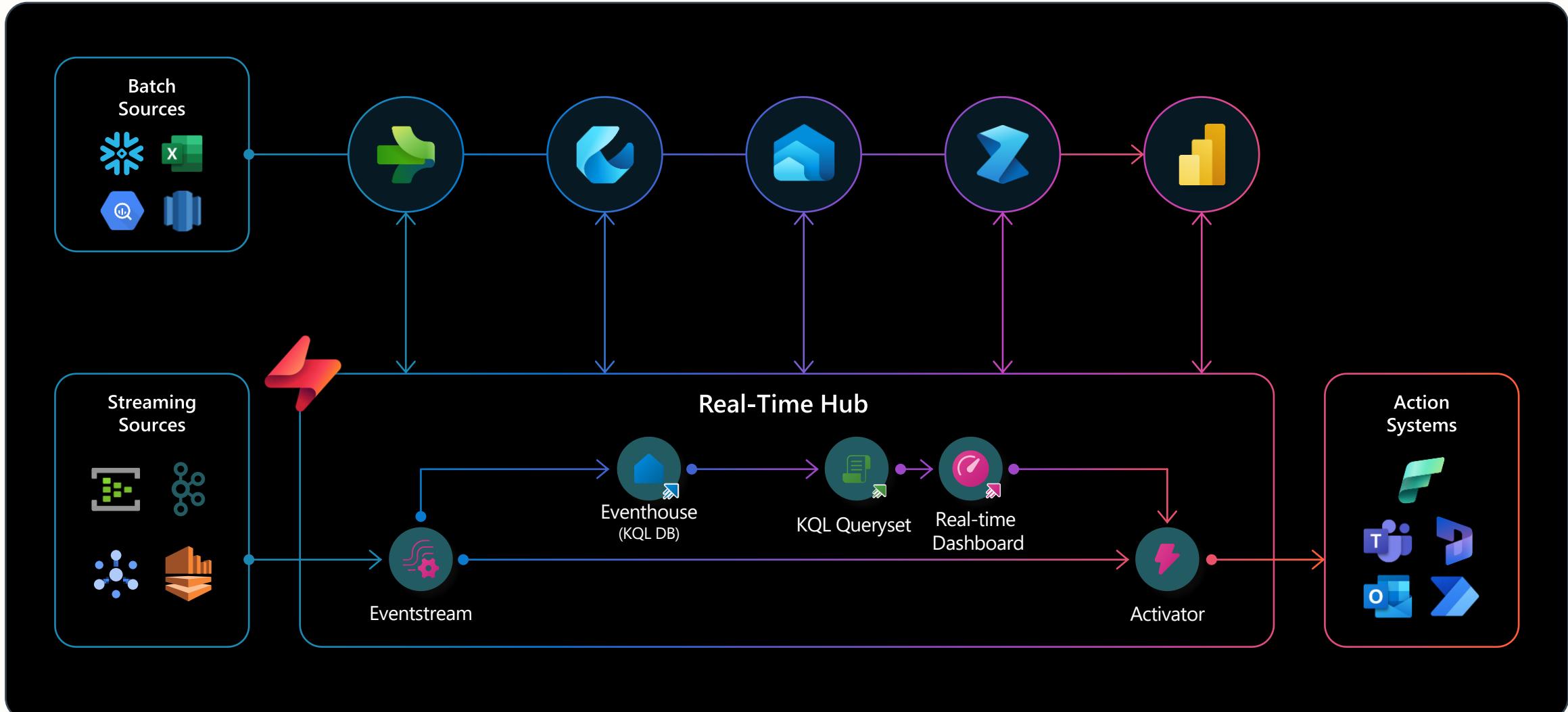


# Real-Time Intelligence in Microsoft Fabric

</> Developers & Data Engineers

>Data Scientists

Analysts



# 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



Event  
Ingestion



Real-Time  
Analytics



Real-Time  
AI



Real-Time  
Dashboards



Real-Time  
Rules



Event-Driven  
Actions



Real-Time hub



# Success Stories with Microsoft Fabric RTI

7600+  
U.S.  
locations

1000+  
International  
locations

3.5 mins  
Speed of Service



## Taco Bell

Real-time point of sales data analytics

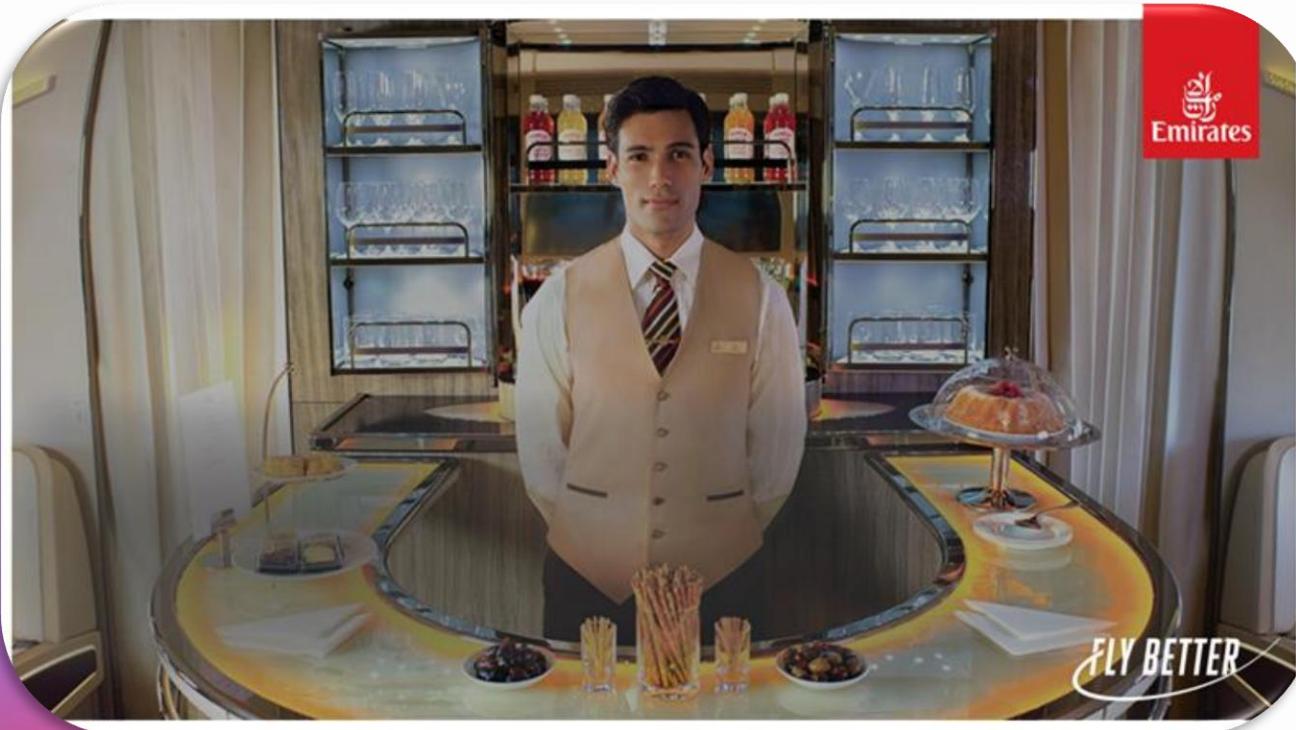
Reducing point of sales insights processing time from 30-45 mins to 3-5 mins

# Success Stories with Microsoft Fabric RTI

1000s flights/  
week

Meals  
available in all  
flights

100s of data  
sources



## Emirates Airlines

Customer driven real time  
decision making

Real-time meal selection insights  
based on millions of records in less  
than 10-seconds

# Success Stories with Microsoft Fabric RTI

100 year old  
company

Global spread

20,000 chillers



## Johnson Controls

Proactive smart buildings  
equipment monitoring

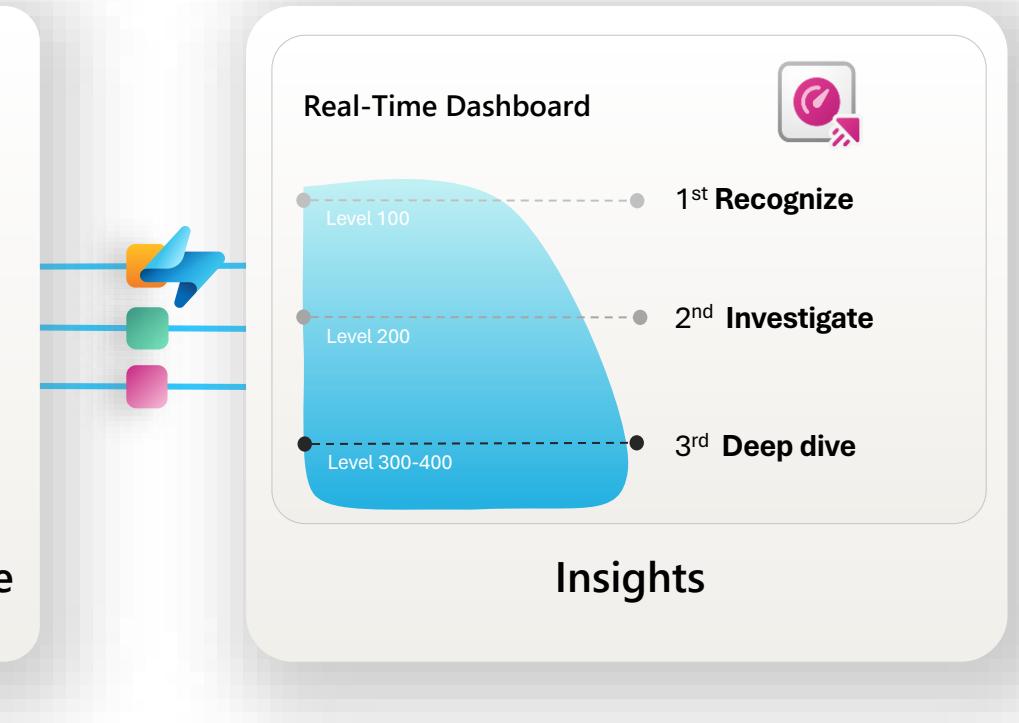
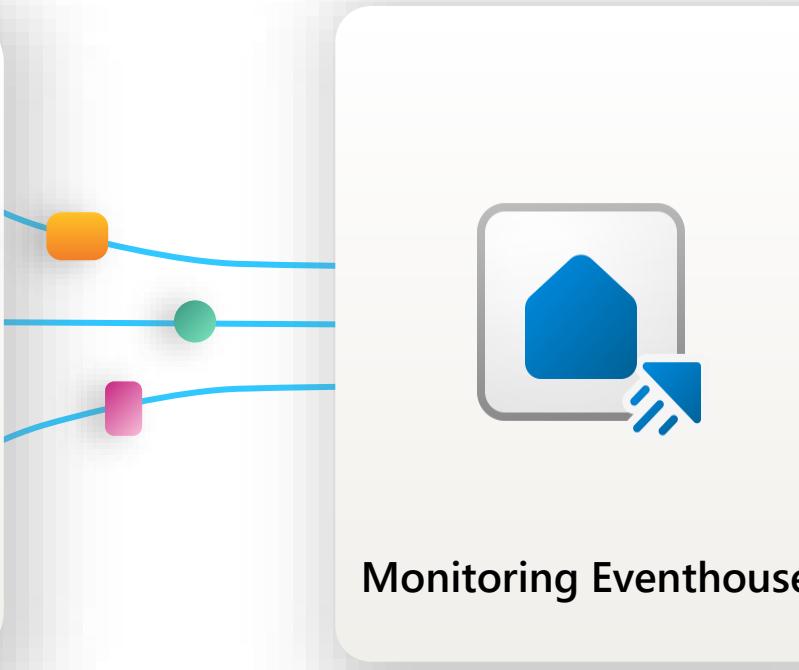
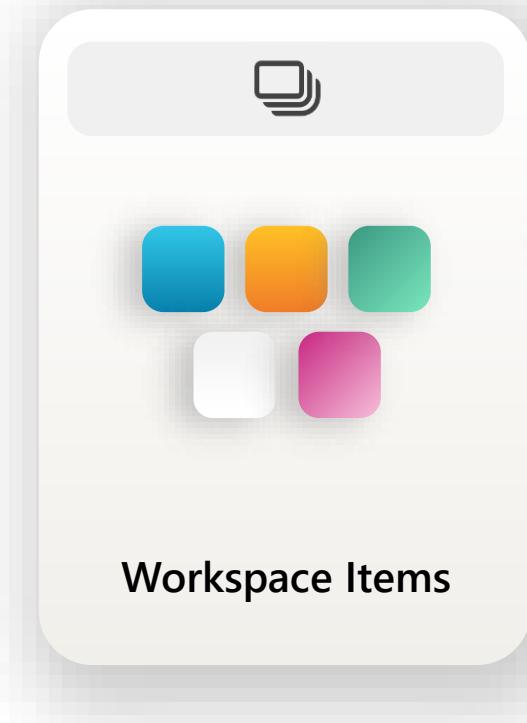
Real-time chiller health monitoring to  
predict failures- operating costs reduced  
by 50%

**Fred** has also an **RTI** module on board.

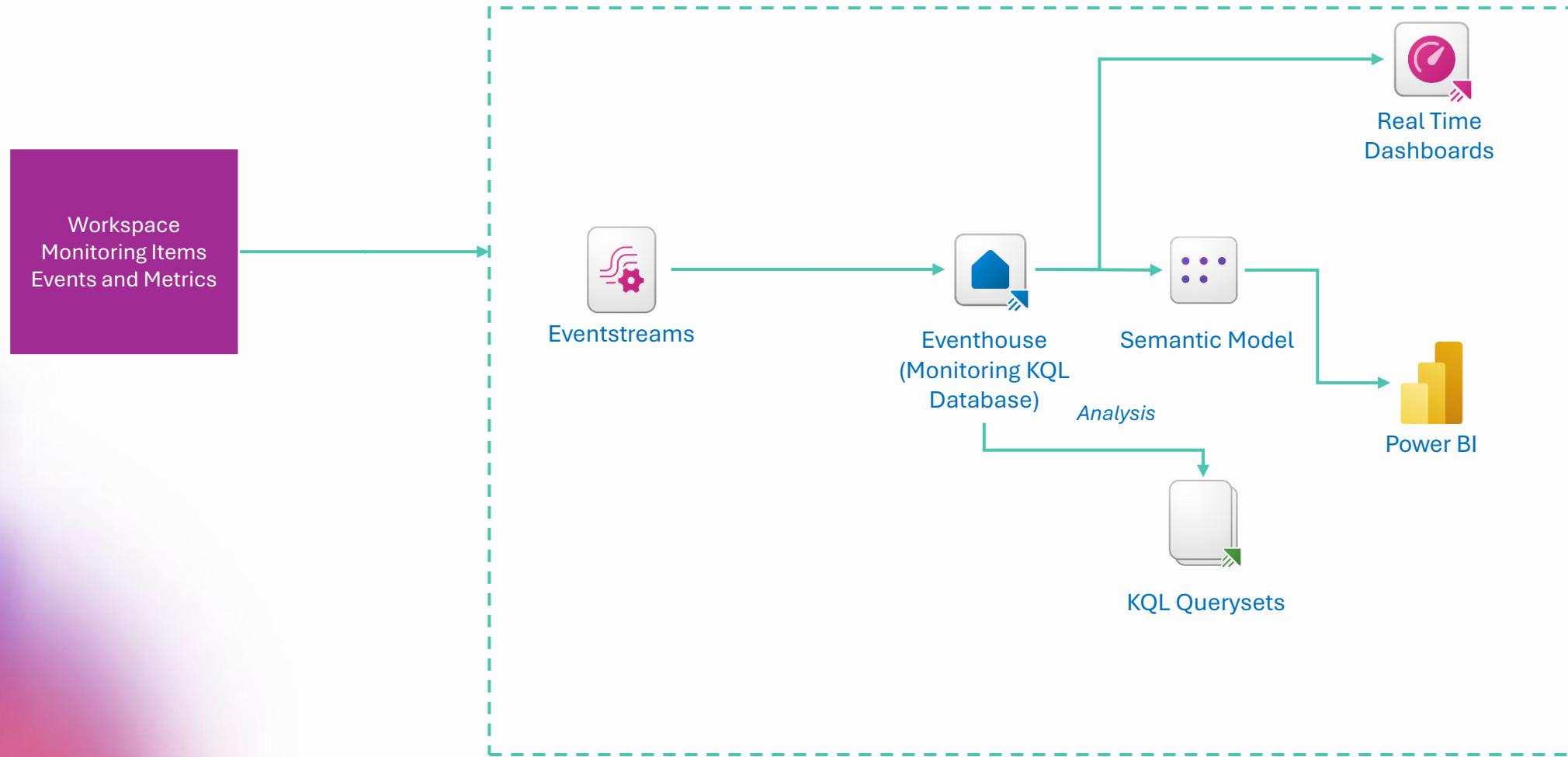


# Fabric Workspace Monitoring

**The power of Real-Time-Intelligence**



# Leveraging Real-Time Intelligence for Workspace Monitoring



- In Public Preview:
- Sematic Models
  - Eventhouses
  - GraphQL
  - FunctionsSets
  - MirroredDatabases

# Workspace Monitoring

Monitoring database for granular, query-level logs and performance metrics

Access to standardized logs and metrics to fine tune performance, troubleshoot issues, and debug query execution and system performance.

## Features:

- Enable monitoring with a flip of a switch
- Access diagnostic logs and performance metrics
  - Query with KQL/T-SQL
  - No code data exploration
  - Real-time dashboards
  - Power BI for report
  - Data Activator Alerts

Name	Type	Task	Owner	Refreshed
Githubingestion	Eventstream	—	Iris Kaminer	—
Monitoring Database	KQL Database	—	—	—
Monitoring Data Connection	Real-Time Intelligent...	—	—	—
Occupancy	Eventstream	—	Iris Kaminer	—
PlatformMonitoring	Real-Time Dashbo...	—	Hiram Fleitas	—
PlatformMonitoringDBs	Eventhouse	—	Iris Kaminer	—
PatientsOccupancy	KQL Database	—	Iris Kaminer	—
RTA Monitoring DB Queries	KQL Queryset	—	Iris Kaminer	—
SemanticModelingCoreSampledAnswers	KQL Dataset	—	Marvin Jain	—

# **Demo**

# Demo – Workspace Monitoring

The screenshot shows the Microsoft Fabric web interface. The top navigation bar includes the Microsoft logo, the current workspace name "Monitoring KQL database", a search bar, and a trial status message "Trial: 27 days left". The left sidebar, titled "Database", contains the following items:

- Home
- Create
- Browse
- OneLake data hub
- Apps
- Metrics
- Workspaces
- Fabric Monitoring...
- Monitoring KQL...
- ...

The main content area is titled "Monitoring KQL database" and displays a loading indicator with the text "Loading...".

# Workspace Monitoring Power BI Template Report



Template Available in Github!

Monitor workspaces in familiar PowerBI reports

# Workspace Monitoring Real-time Dashboard Template



**Get insights in  
Real-Time Dashboard  
from  
Workspace Monitoring**

Template  
Available in  
Github!

Monitor in real  
time multiple  
workspaces in  
single Dashboard

**Thank you,  
Frankfurt!**

## FUAM Basic

"Elevate your tenant monitoring  
to the next level."



## Fabric Workspace Monitoring

"Your ready-to-go dashboard"

