


The background of the image is a close-up, slightly blurred photograph of a mechanical clock movement. It features brass-colored gears, a central hand, and various numbers (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12) visible on the clock face. The lighting is dramatic, highlighting the metallic textures and the intricate details of the machinery.

# Eventhouse

medallion architecture in sub seconds



# Brian Bønk

Senior Principal, Microsoft MVP

 <https://linkedin.com/in/brianbonk>

 <https://dcode.bi>

 <https://github.com/brianbonk>

 <https://youtube.com/@dcode-bi>





REAL-TIME  
INTELLIGENCE





The world is exploding with  
high-granularity data



# The Kusto product family

Non exhaustive

Solutions



Azure Monitor



Sentinel



Defender



Playfab



Product



Fabric Real-Time  
Intelligence - Eventhouse



Azure Data  
Explorer



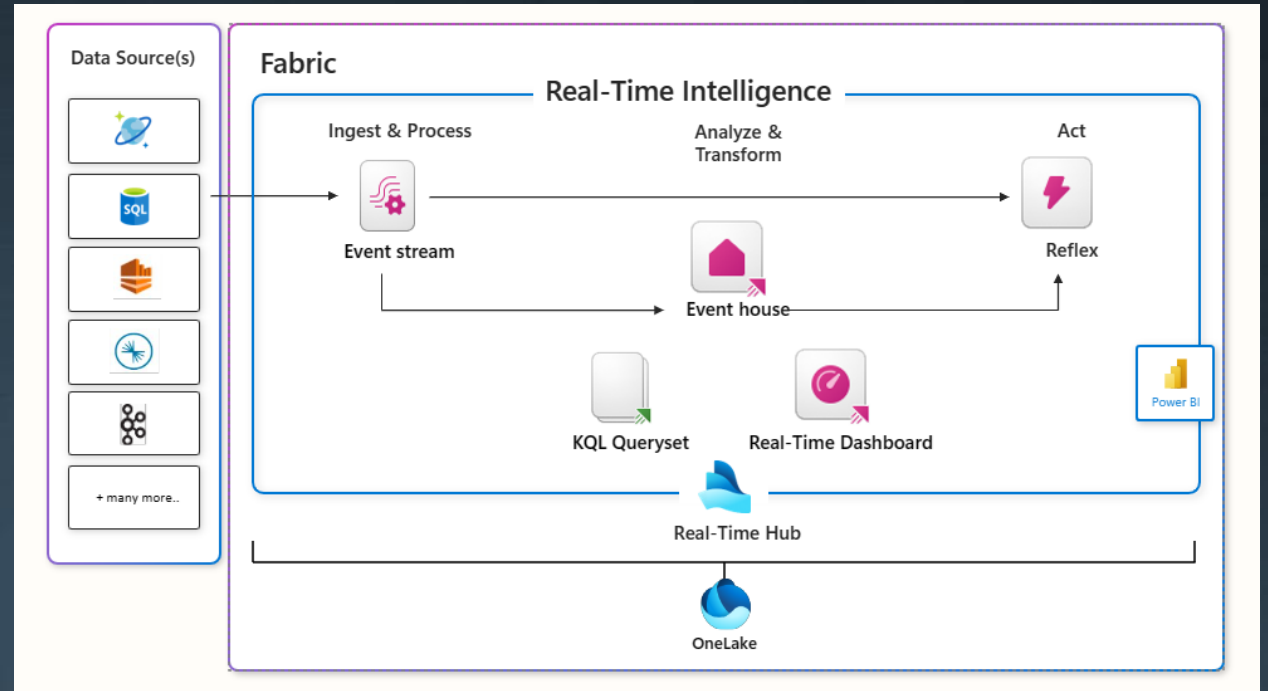
Kustainer

Tech Stack

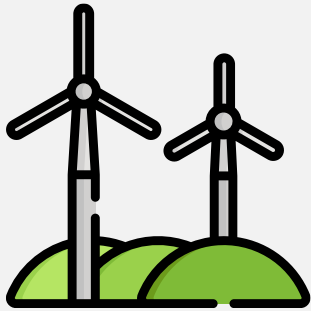
Kusto engine

# What is Fabric Real-Time Intelligence?

Powerful end to end solution for data in motion

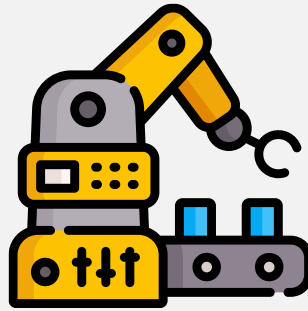


# Use cases



Windmills

- Predictive maintenance
- Production
- Sensors



Manufacturing

- Throughput
- Sensors
- Bottlenecks

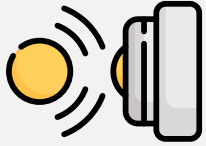


Race cars

- Telemetry
- Alerts
- Engineering output



# Microsoft Fabric Real-Time Intelligence



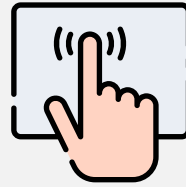
Event  
ingestion



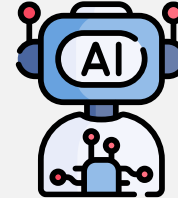
Real-Time  
analytics



Real-Time  
dashboards



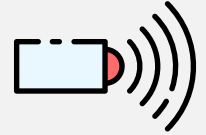
Real-Time  
triggers



Real-Time  
AI



Real-Time  
applications



Event driven  
actions



Real-Time Hub



Real-Time  
Intelligence



Power BI





# Microsoft Fabric Real-Time Intelligence



Real-Time  
Intelligence



## **Eventhouse**

Ingest all your data  
fast and process it  
in near-real-time

# Microsoft Fabric Real-Time Intelligence



Real-Time  
Intelligence



Materialized  
views

An always updated  
version of the underlying  
query.



## **Eventhouse**

Ingest all your data fast and  
process it in near-real-time



Update policies

Loads data from source  
tables to a destination  
table based on a query



# Microsoft Fabric Real-Time Intelligence

Sources



Eventstream



Pipeline



Shortcuts &  
External tables



Eventhouse



KQL  
Database



Tables

Bronze



KQL  
Database



Tables

Silver



Update  
policies





# DEMO

Live coding  
(hopefully no demo-ghost 👻)



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Materialized  
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Real-Time  
Dashboard



 Eventstream

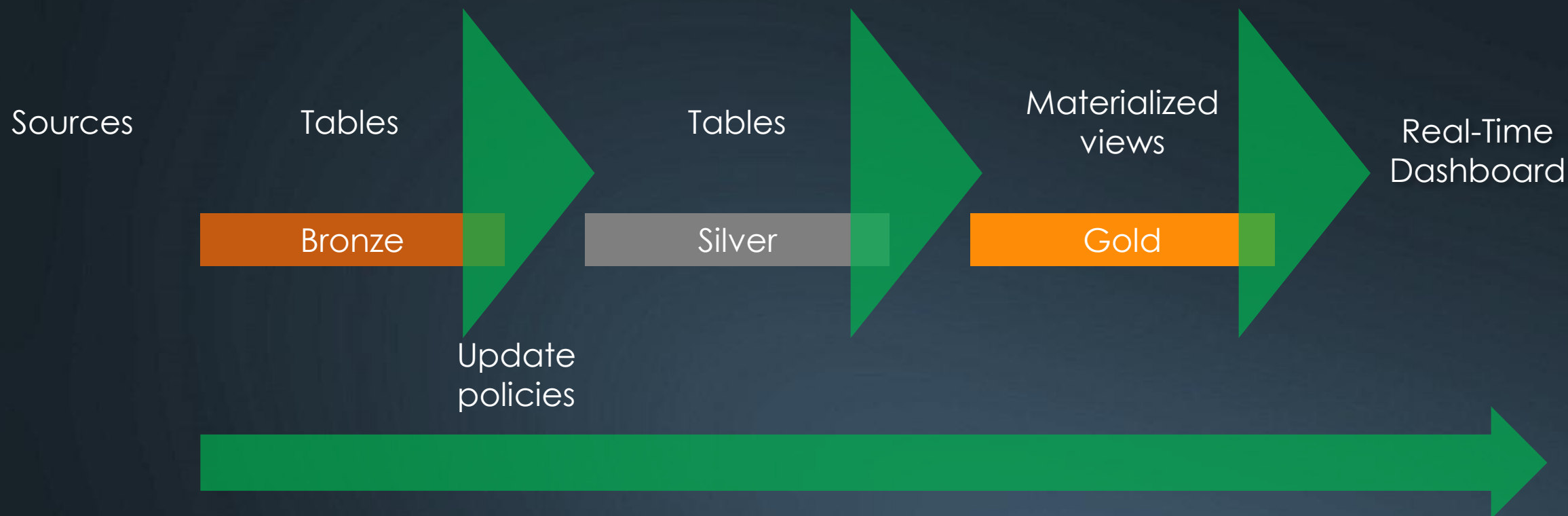
 Pipeline

 Shortcuts &  
External tables





# Microsoft Fabric Real-Time Intelligence



**Sub 1 second**

<https://dcode.bi/blog/update-policies>

# THANK YOU



SOCIAL?

 <https://linkedin.com/in/brianbonk>

 <https://dcode.bi>

 <https://github.com/brianbonk>

 <https://youtube.com/@dcode-bi>



FastTrack Recognized  
Solution Architect  
Power BI  
2022 >>



Certified Trainer  
Data Platform

2018 >>