


Eventhouse

medallion architecture in sub seconds



A black and white portrait of a man with a beard and short hair, looking directly at the camera. He is wearing a dark shirt and a patterned tie.

Brian Bønck

Senior Principal, Microsoft MVP
Intellishore

 <https://linkedin.com/in/brianbonk>
 <https://dcode.bi>
 <https://github.com/brianbonk>





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



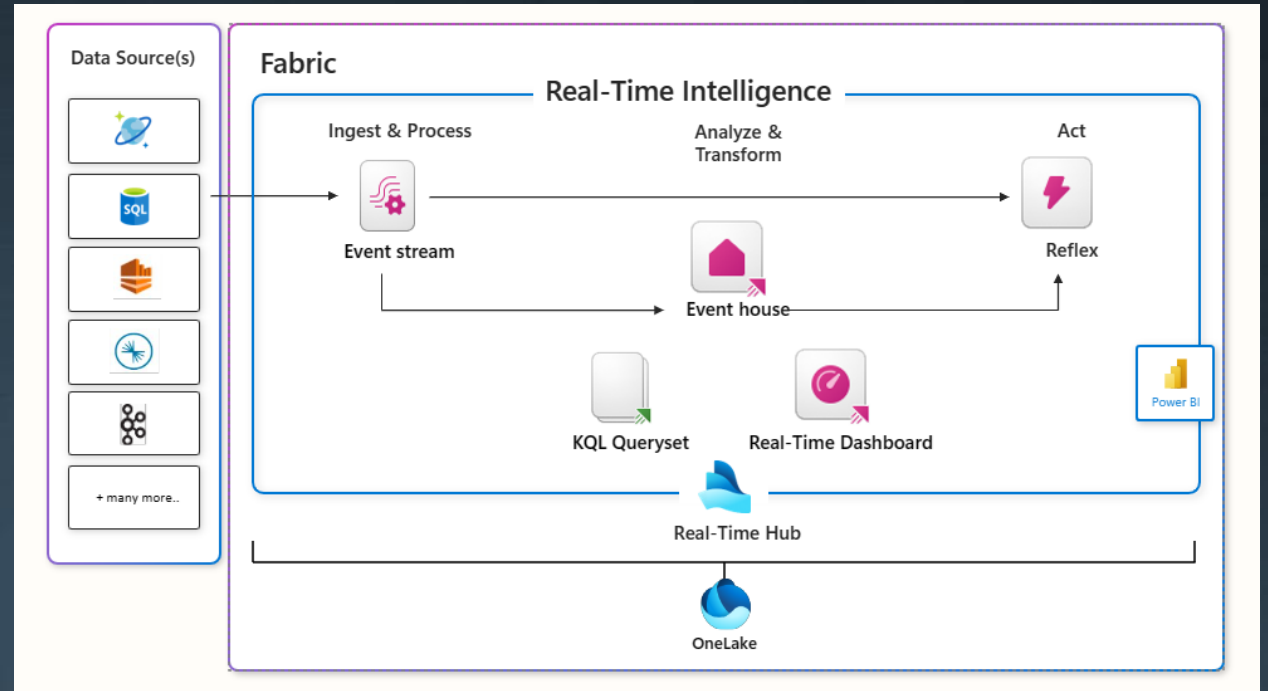
Kustainer

Tech Stack

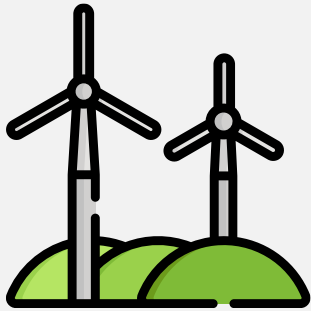
Kusto engine

What is Fabric Real-Time Intelligence?

Powerful end to end solution for data in motion

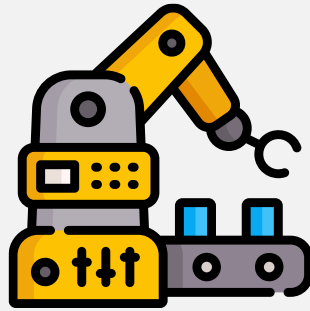


Use cases



Windmills

- Predictive maintenance
- Production
- Sensors



Manufacturing

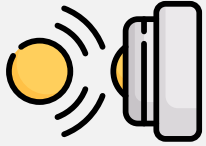
- Throughput
- Sensors
- Bottlenecks



Race cars

- Telemetry
- Alerts
- Engineering output

Microsoft Fabric Real-Time Intelligence



Event
ingestion



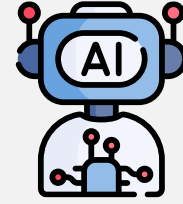
Real-Time
analytics



Real-Time
dashboards



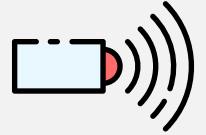
Real-Time
triggers



Real-Time
AI



Real-Time
applications



Event driven
actions



Real-Time Hub



Real-Time
Intelligence



Power BI

Microsoft Fabric Real-Time Intelligence



Real-Time
analytics



Eventhouse

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

Microsoft Fabric Real-Time Intelligence



Real-Time
analytics



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 🐻)



Microsoft Fabric Real-Time Intelligence

Sources



Eventstream



Pipeline



Shortcuts &
External tables



Eventhouse



KQL
Database



Tables

Bronze



KQL
Database



Tables

Silver




Update
policies



Microsoft Fabric Real-Time Intelligence

Sources

 Eventhouse

 KQL
Database



Tables

Bronze

 KQL
Database



Tables

Silver







Materialized
views

Gold

Update
policies

 
Eventstream

 
Pipeline

 
Shortcuts &
External tables



DEMO

Live coding
(hopefully no demo-ghost 👻)



Microsoft Fabric Real-Time Intelligence

Sources



Eventhouse



Eventstream



Pipeline



Shortcuts &
External tables



KQL
Database



Tables

Bronze



KQL
Database



Tables

Silver




Materialized
views

Gold

Update
policies

Microsoft Fabric Real-Time Intelligence

Sources

 Eventhouse

 KQL
Database



Tables

Bronze

Update
policies

 KQL
Database



Tables

Silver

Materialized
views

Gold

Real-Time
Dashboard



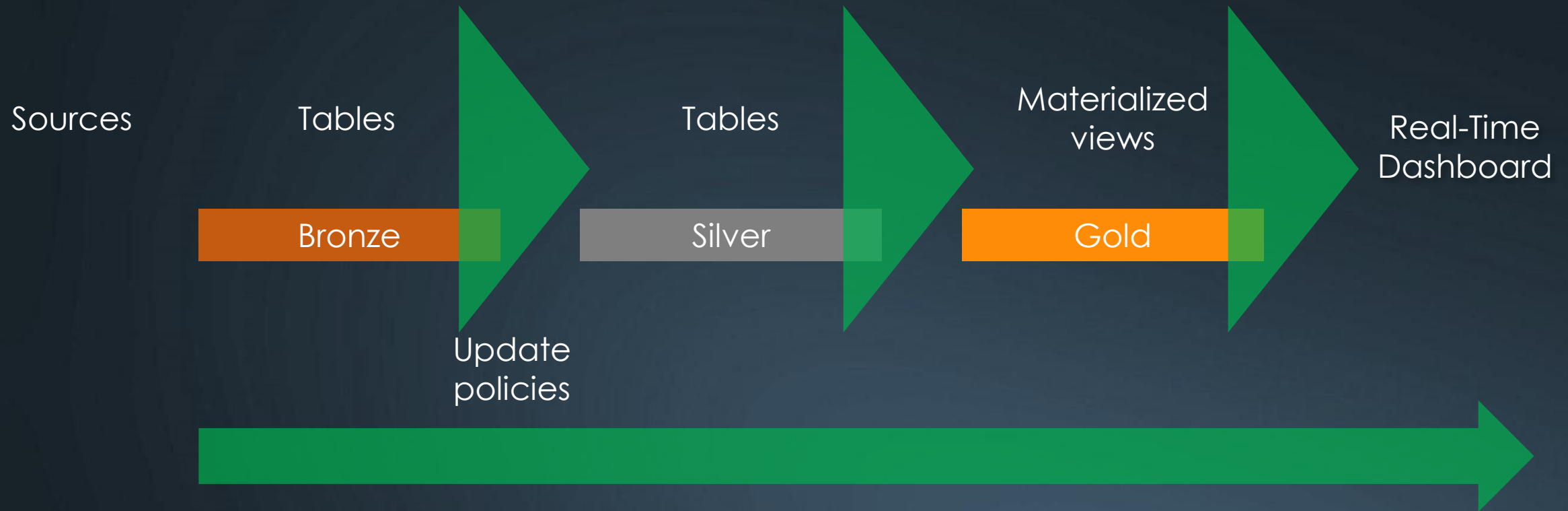
 Eventstream

 Pipeline

 Shortcuts &
External tables



Microsoft Fabric Real-Time Intelligence



Sub 1 second

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



Feedback

THANK YOU



SOCIAL?

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

 <https://dcode.bi>

 <https://github.com/brianbonk>



 **Microsoft**
FastTrack Recognized
Solution Architect
Power BI
2022 >>

 **Microsoft**
Certified Trainer
Data Platform
2018 >>