Microsoft

Microsoft Fabric Roadshow

Ottawa | 27/11/2025

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Cloud and AI – Solution Engineer

What matters
to your organization?

- Increased sales and happier customers
- Reduced costs and higher efficiencies
- Mitigated risks
- Product and service innovations

Are you making the most of your data?

72%

Organizations lack end-to-end visibility into granular signals across services

Source: Futurum Decision Maker, September 2025

Leveraging real-time data can help companies accelerate speed and precision of business

Operational efficiency

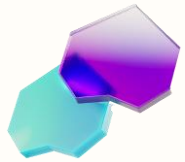
make data-driven decisions with

End-to-end visibility

holistic understanding of business health and discover actionable

Competitive advantage

identify opportunities and mitigate risk in



What gets in the way today?

Data arrives too late to make a difference

Data volumes are too large and expensive

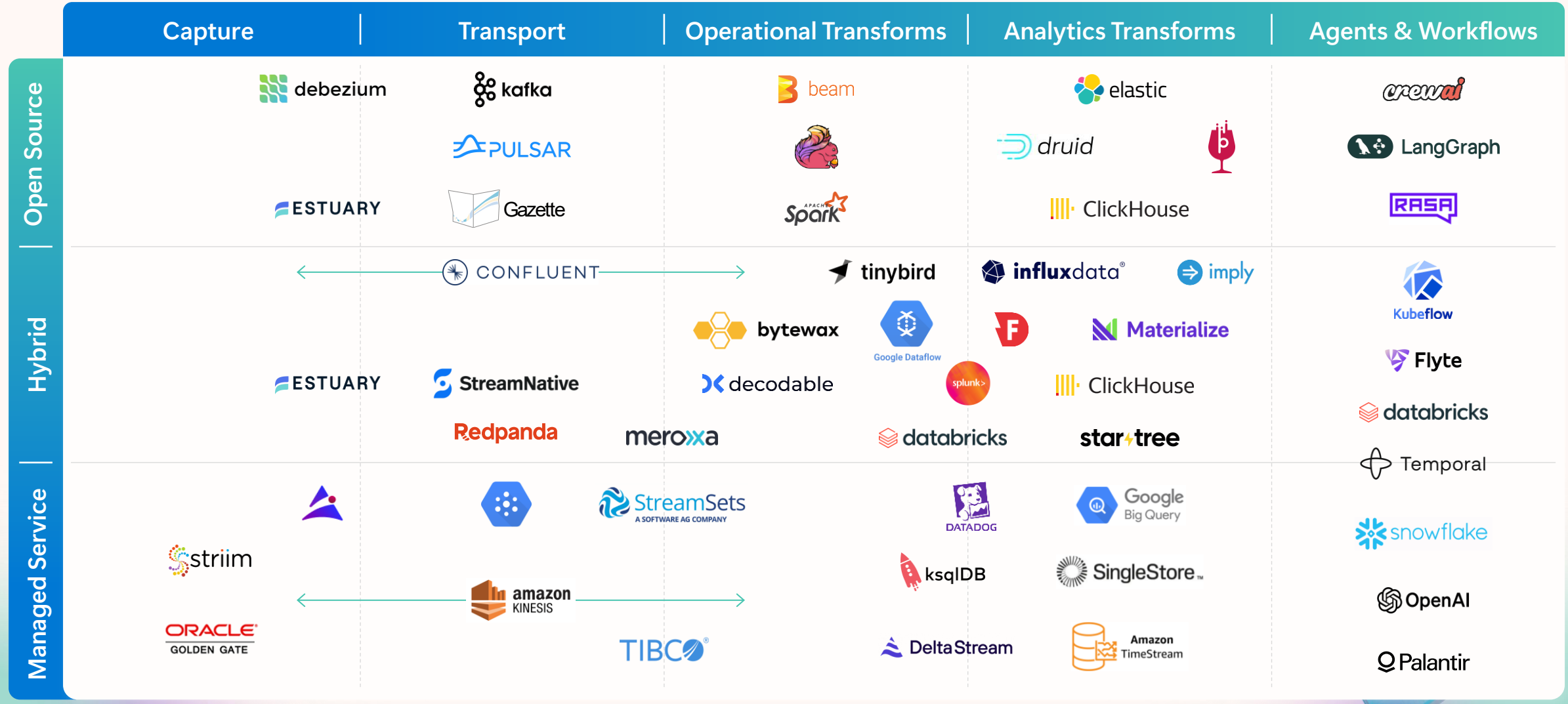
Data siloes between batch and real-time data

Too many instances for humans to track

Hard to find the high-value signals in time

Decisions are too slow to change outcomes

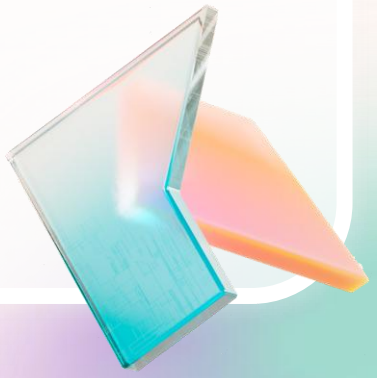
Fragmented market of real-time AI tools



Need for a unified platform for real-time AI

From	To
Fragmented, fragile tech stack	**One, unified SaaS solution**
Advanced skillsets required	**Accessible data and analytics tools**
Faster batch data processing	**Real-time event ingestion**
Data silos, lack of governance	**Unified single data estate**
Hard to find unknown unknowns	**AI-powered insights and actions**

Real-Time Intelligence
in Microsoft Fabric



Microsoft Fabric

The unified data platform for the AI Frontier

Data Factory

Analytics

Databases

Real-Time Intelligence

Power BI

Fabric Platform

Copilot

OneLake

Governance

Real-Time Intelligence in Microsoft Fabric

Enterprise real-time data platforms

- Azure Event Hubs
- Azure Event Grid
- Azure Stream Analytics
- Azure Data Explorer
- Azure Maps

+

Self-serve experiences for business users

- Power BI
- Activator
- Real-Time Hub
- OneLake

+

Intelligent insights and capabilities

- AI skills
- Anomaly detection
- Agents

=

Real-Time Intelligence in Microsoft Fabric

- Fully integrated
- SaaS-native experiences
- Single data estate
- Unified data platform

Real-Time Intelligence
in Microsoft Fabric

Stream

Analyze

Model

Visualize

Decide & Act

Fabric Platform

Copilot

OneLake

Real-Time Hub

Governance

Home
Workspaces
Copilot
Create
Browse
OneLake catalog
Monitor
Real-Time
Workloads
RTI Field Demos
...
Fabric

Real-Time hub

Connect to
Data sources
Azure sources
Dataverse tables Preview

Subscribe to
Fabric events
Azure events

Browse Preview
Event schema registry

Discover, analyze, and act on data-in-motion

Subscribe to OneLake events

Convert OneLake events into streams for immediate transformation and routing

Act on Job events

Automate responses to status changes in Job events

Visualize data

Observe data in a real-time dashboard for fast, informed decisions

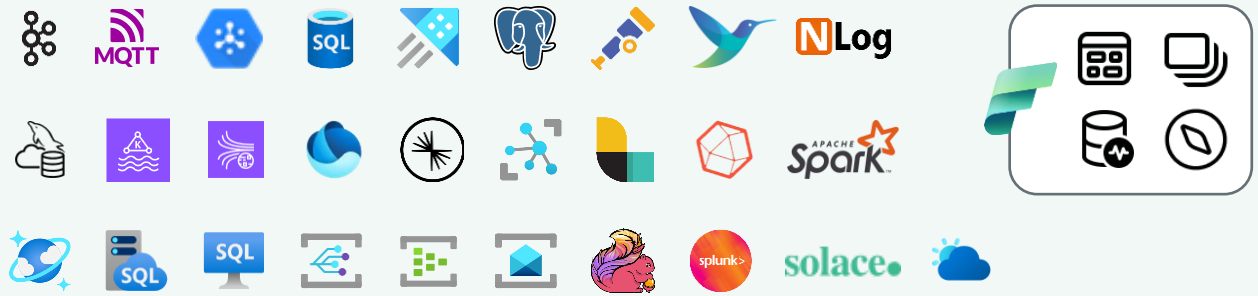
Recent streaming data

Filter by | Data type | Item owner | Item | Workspace | Search for streaming data | Add data

Data	Source item	Item owner	Workspace	Endorsement
Monitoring_Eventstream-stream	Monitoring_Eventstream	Abhishek Jain	2025-03 DOL Fabric Data Agent	—
SemanticModelLogs	Monitoring_Eventhouse	Abhishek Jain	2025-03 DOL Fabric Data Agent	—
EventhouseIngestionResultsLogs	Monitoring_Eventhouse	Abhishek Jain	2025-03 DOL Fabric Data Agent	—
GraphQLLogs	Monitoring_Eventhouse	Abhishek Jain	2025-03 DOL Fabric Data Agent	—
MirroredDatabaseTableExecutionLogs	Monitoring_Eventhouse	Abhishek Jain	2025-03 DOL Fabric Data Agent	—
EventhouseDataOperationLogs	Monitoring_Eventhouse	Abhishek Jain	2025-03 DOL Fabric Data Agent	—
EventhouseCommandLogs	Monitoring_Eventhouse	Abhishek Jain	2025-03 DOL Fabric Data Agent	—

Rich set of real-time streaming connectors

Available now



External sources

- Apache Kafka
- Apache Spark
- Apache Flink
- MQTT v5
- Azure SQL DB CDC
- PostgreSQL DB CDC
- MySQL DB CDC
- Azure Cosmos DB CDC
- Azure SQL MI DB CDC
- SQL Server on VM DB CDC
- Azure Data Explorer
- Azure IoT hub

(continued)

- Google Cloud Pub/Sub
- Confluent Cloud for Apache Kafka
- Amazon Kinesis Data Streams
- Amazon Managed Streaming for Apache Kafka
- Solace PubSub+
- Azure Event Hubs
- Azure Service Bus
- Azure Event Grid Namespace
- Real-time weather
- OpenTelemetry
- Telegraf

(continued)

- Splunk Apache Log4j
- FluentBit
- Logstash
- NLog
- Serilog

Fabric & Azure events

- Fabric Workspace Item events
- Fabric Onelake events
- Fabric Job events
- Azure Blob Storage events

Upcoming

External sources

- HTTP
- Mongo DB CDC
- Oracle DB CDC
- Azure blob file stream
- MQTT v3.1.1
- ServiceNow
- OneLake file stream
- Salesforce
- Delta lake CDF
- Eventhouse
- Fabric SQL CES

(continued)

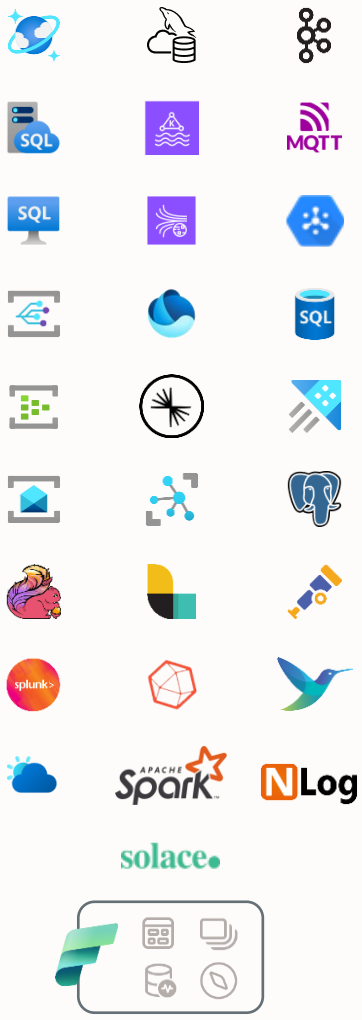
- JDBC
- JIRA

Custom connectors

- SAP Hana

Fabric events

- Anomaly Detection events
- Capacity Utilization events
- Business events



Real-Time Intelligence
in Microsoft Fabric

Stream

Analyze

Model

Visualize

Decide & Act

Fabric Platform

Copilot | OneLake | Real-Time Hub | Governance

The real-time SaaS platform within Microsoft Fabric

Real-Time Intelligence

Real-Time Hub

Eventstream

Eventhouse

RT Dashboard

Activator

Real-Time Intelligence in Microsoft Fabric

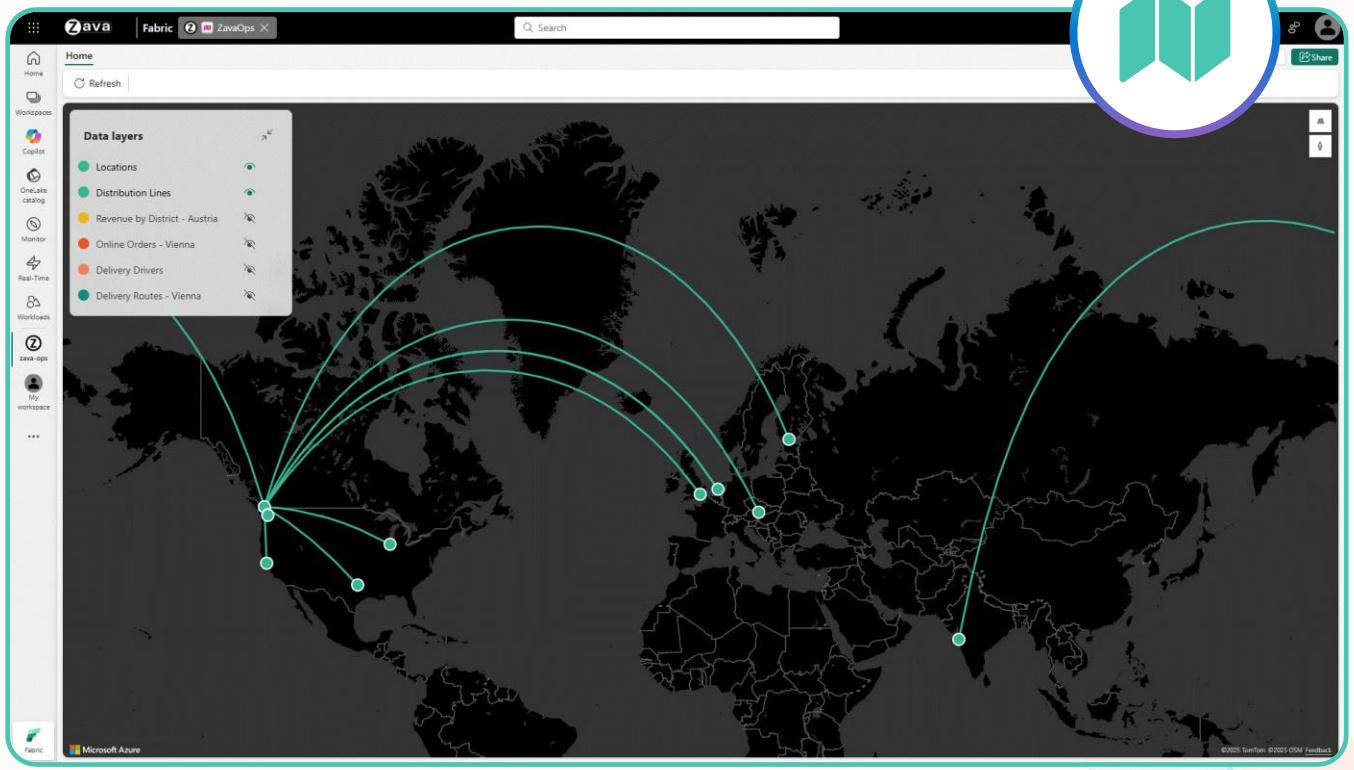
Public Preview

MAP

Create, customize, and consume map-centric applications using simple no-code experiences, with no GIS expertise required

Connect maps seamlessly to your live data in Eventhouse, Lakehouse, and OneLake

Optimize your operations with geospatial reasoning, analytics, and views



Real-Time Intelligence in Microsoft Fabric

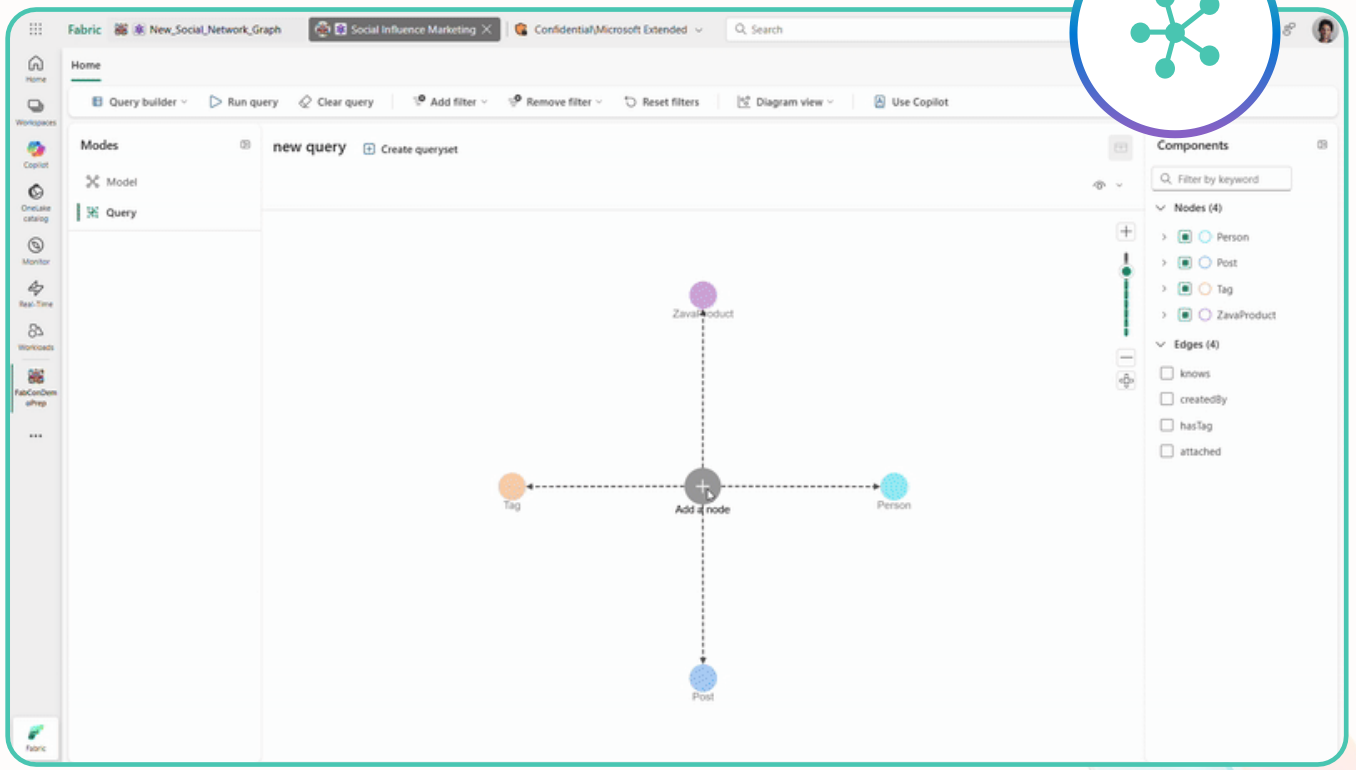
Next Month

GRAPH

Create graph models over your data in Eventhouse, Lakehouse, and OneLake in minutes using simple no-code experiences

Explore, discover, and analyze multi-hop relationships to understand how entities connect

Optimize and mitigate risk in your supply chains, customer experiences, and other operations



Real-Time Intelligence in Microsoft Fabric

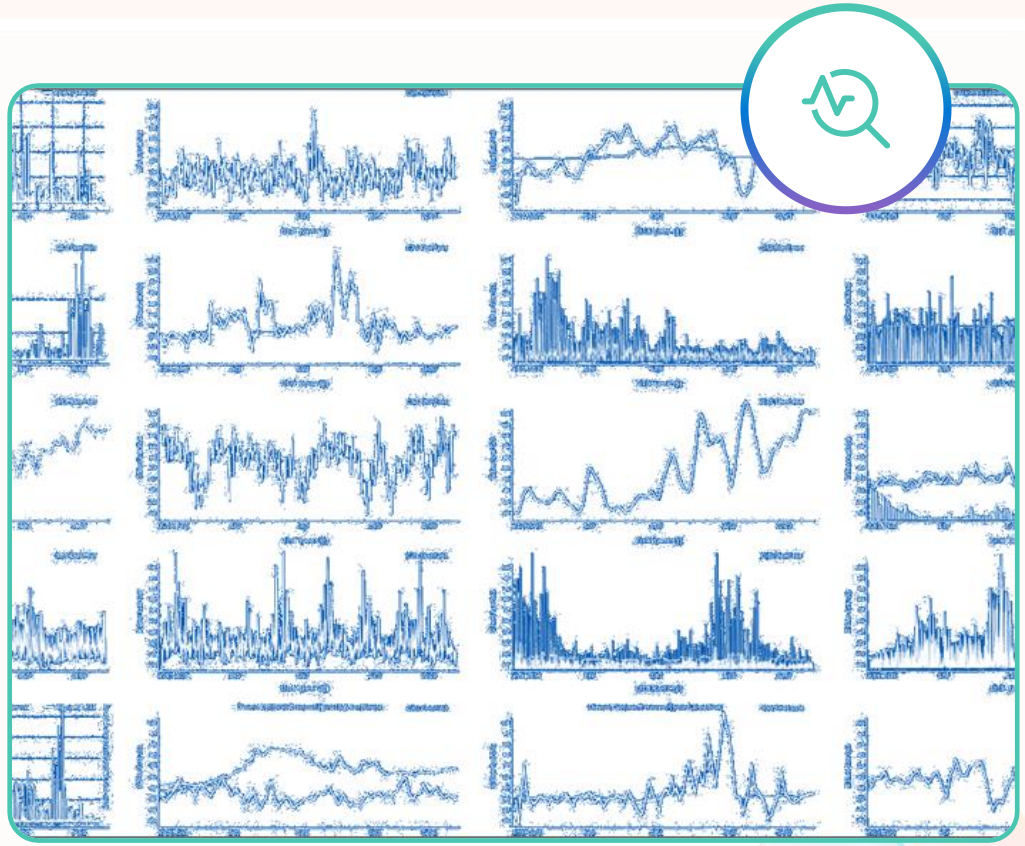
Public Preview

Anomaly Detector

Discover the signals that matter but are easily overlooked in a sea of data using no-code tools, no data science expertise required

Continuously scans your events 24/7 as they arrive in Eventhouse for anomalies

Automatically trains the anomaly detection model to your operations' data



Real-Time Intelligence
in Microsoft Fabric

Stream
- Connectors
- Eventstream
- Event Schema Set

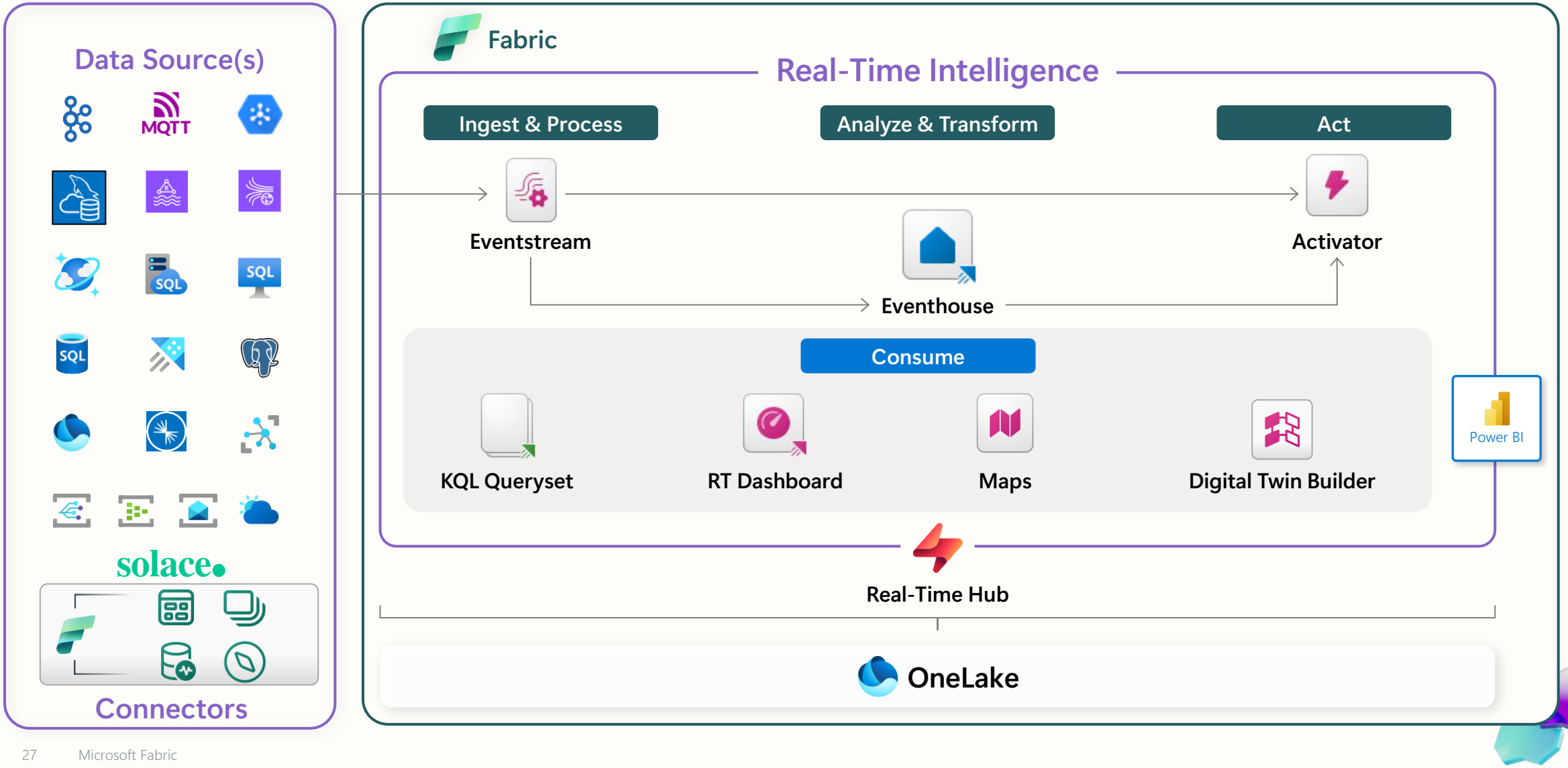
Analyze
- Eventhouse
- Anomaly Detector

Model
- Map
- Graph
- Digital Twin Builder

Visualize
- KQL Queryset
- Graph Queryset
- Real-Time Dashboard

Decide & Act
- Activator
- Operations Agent
- Actions

Components of Fabric's Real-Time Intelligence



Engage

Ask questions on the forum	aka.ms/realtimeforum
Submit ideas and vote	aka.ms/realtimeideas

Get hands on

Complete the tutorial	aka.ms/realtimetutorial
Sign up for one-day training	aka.ms/nextRTIAD
Try an extensive tutorial	aka.ms/fabconrtitutorial
Play the Kusto Detective Agency Fabric edition	aka.ms/realtimedetective

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Thank you!

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Real-Time Intelligence

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