Real-Time Hub: Starting Point of Real-Time Intelligence in Fabric

PASS24
Data Community Summit

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- Data & AI Architect by trade
- Racing driver by hobby
- Lived in Atlanta twice in my life

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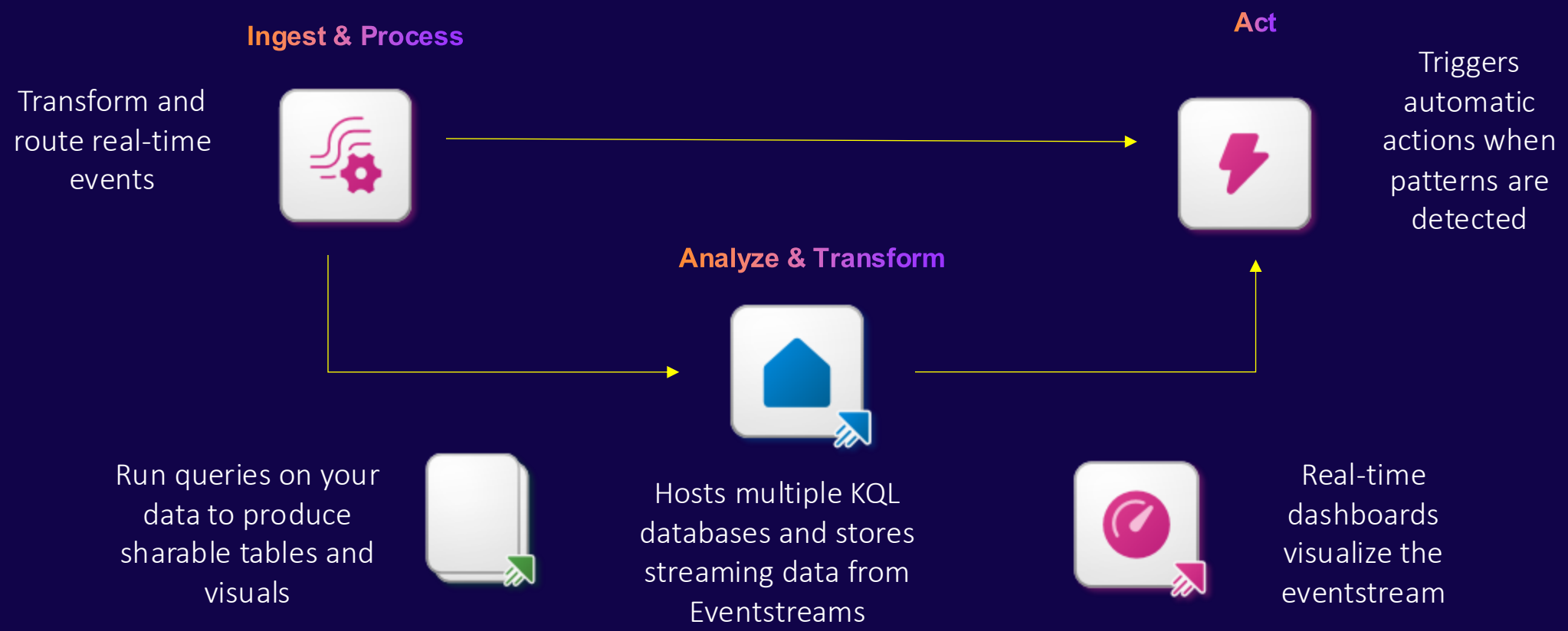
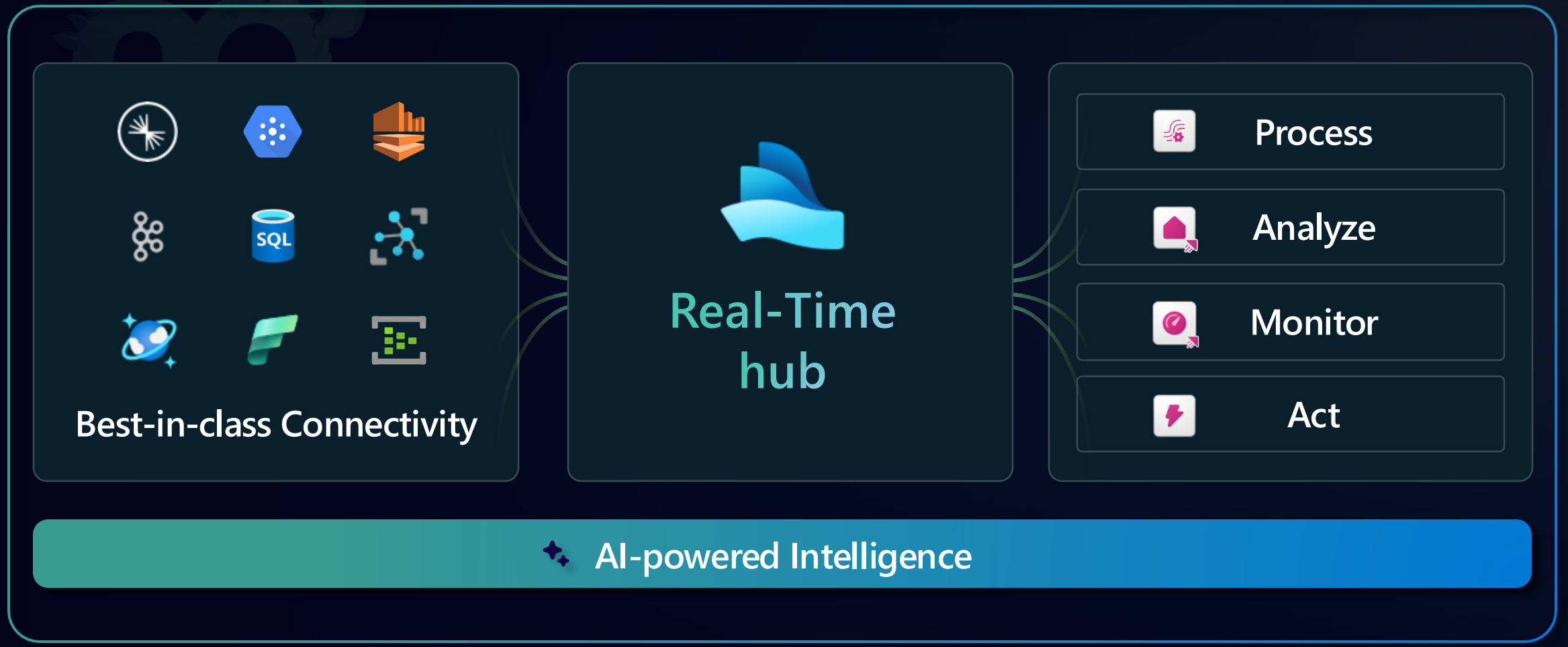
PASS24 Data Community Summit

Fabric Real-Time Intelligence



Streaming data in Fabric



Fabric Real-Time Hub

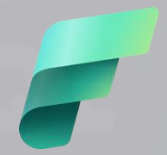
Data streams

Microsoft sources

Fabric events

Fabric Real-Time Hub

Data streams



Microsoft sources

Fabric events

Fabric workspace item events

Azure blob storage events

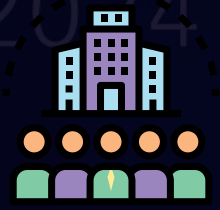
DEMO

(hopefully our sacrifices to the demo gods prove sufficient)

Perspectives and Usage

Perspectives and usage

Event based data loading



Governance

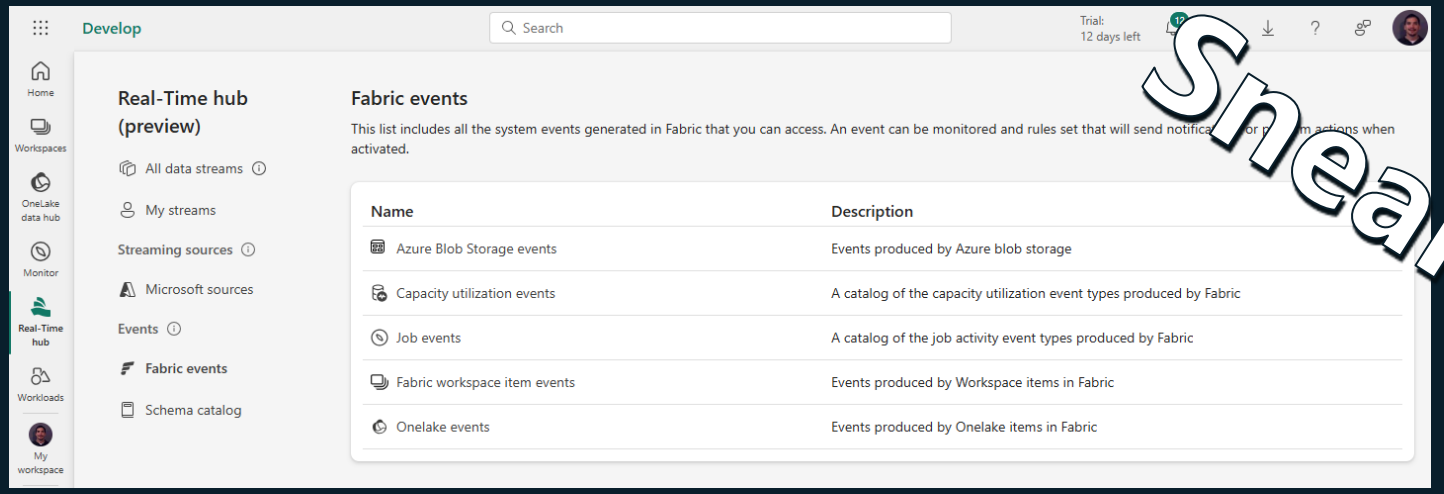
Data discovery

What’s the Latest?

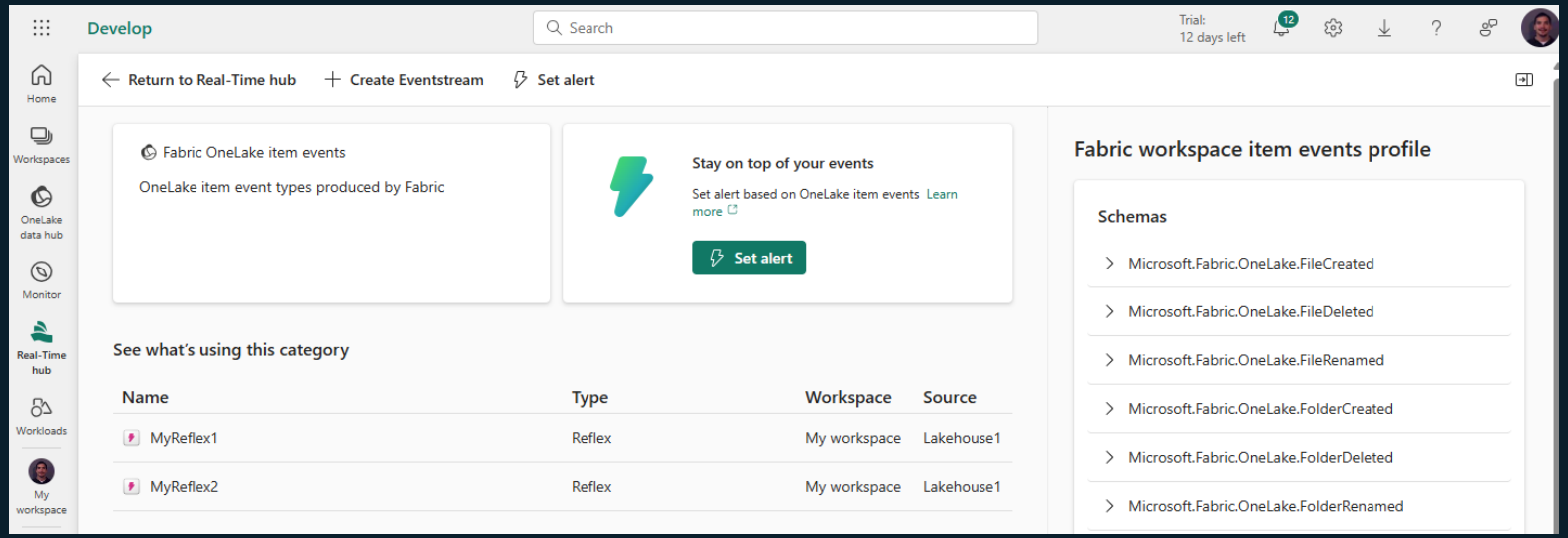
Real-Time Hub – New Fabric Events

New Events:

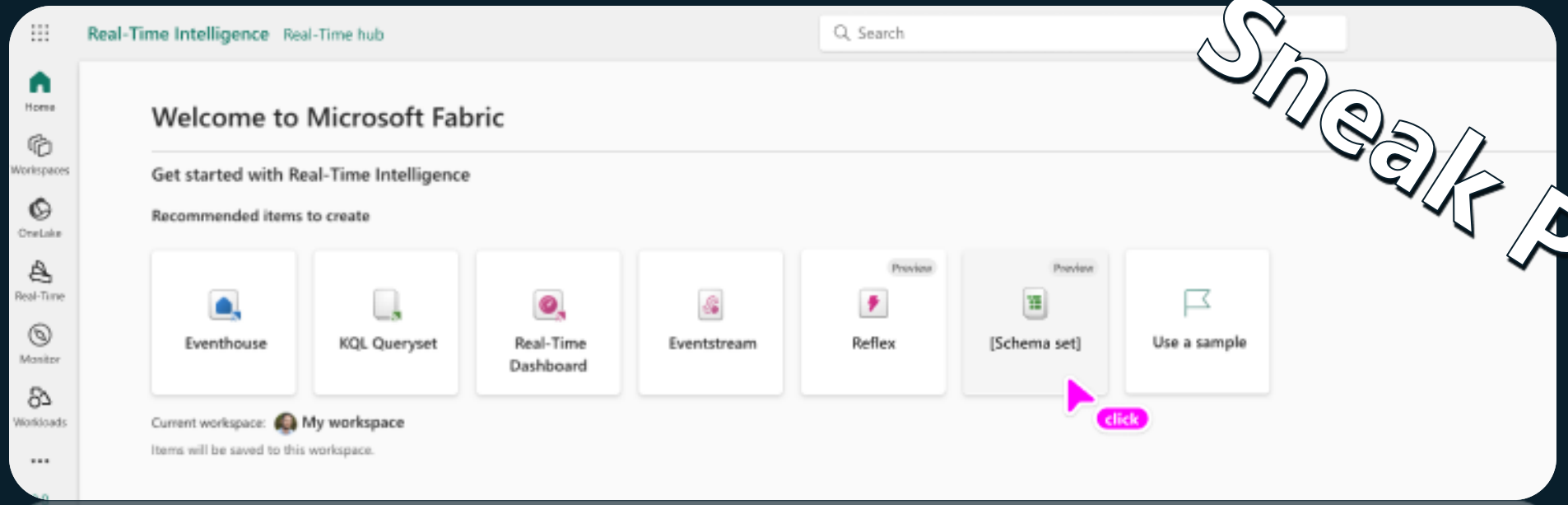
- OneLake events
- Job events
- Capacity Utilization events



Sneak Peek



Real-Time Hub – Schema Management



Sneak Peek

Data Quality: Schematized data gives us a more complete picture.

Data Governance: Granular RBAC (Role-Based Access Control) policies.

Visibility and Collaboration: Cross tenant visibility via the Event Catalog UI.

Support for Schema Evolution: Support for changes and updates to schemas over time.

Support for Versioning: Automatic versioning and tracking of schema versions.

Schema Validation: With compatibility for backward, forward, and no compatibility checks.

Real-Time Intelligence - What's New!

Data Sources

- AWS MSK *prev*
- Apache Kafka *prev*
- Azure SQL MI CDC *prev*
- SQL on VM DB CDC *prev*

Ingest/Process

- Private Endpoints *prev*
- Eventhouse destination

Analyze/Explore

- New stream live view
- Eventhouse monitoring *prev*
- Eventhouse/KQLDB CI/CD
- Inbound network isolation
- Perf/Cost optimization

Act

- KQL Query Set alerts
- New rule design experience
- Improved Rule Performance
- Rules directly on events
- Simpler model groups exp

Real-Time hub

Central place to discover data and launch all related tasks

- ➢New Left-Nav experience
- ➢Auto-create real-time dashboard

Questions?

Want To Learn More?

RTI-in-a-”Day” Workshop

Thank you

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