



Enterprise Event Streaming Platform Built by the Original Creators of Apache Kafka®

Unlocking the Power of Real-Time Data: Command vs Event Driven Architectures



About me.



Johnny Mirza - Staff Solutions Engineer - Confluent



Agenda

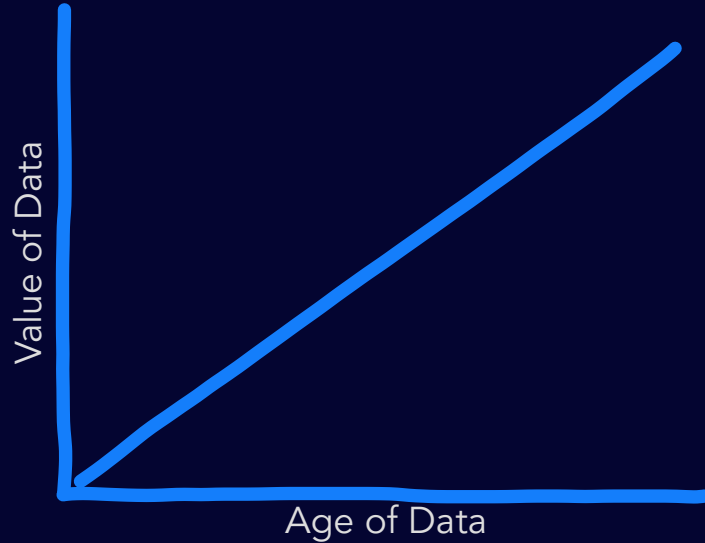
- **Overview - Event Driven Architecture**
- **Whiteboard a Real-Time Event Streaming Scenario**
- **Demo**



Challenging old assumptions

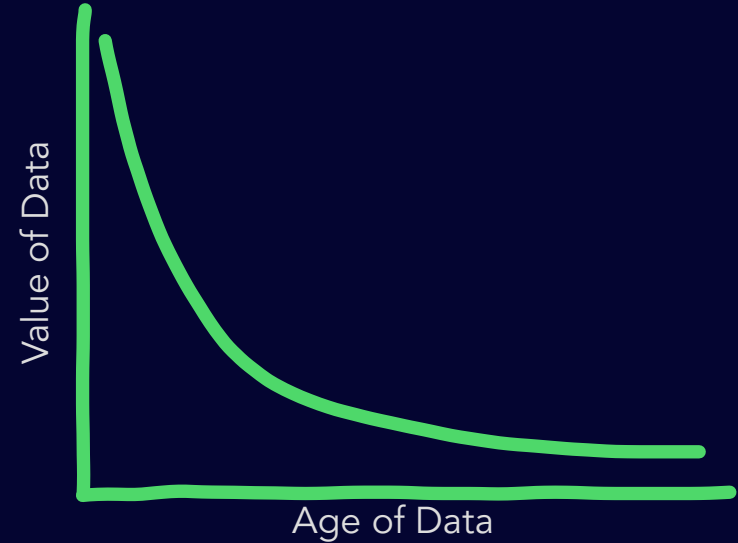
Big Data

The More the Better



Fast Data

The Faster the Better

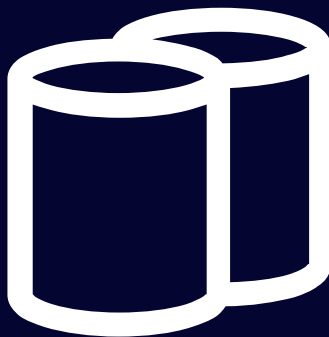


We built systems optimised
for efficient storage...



Databases

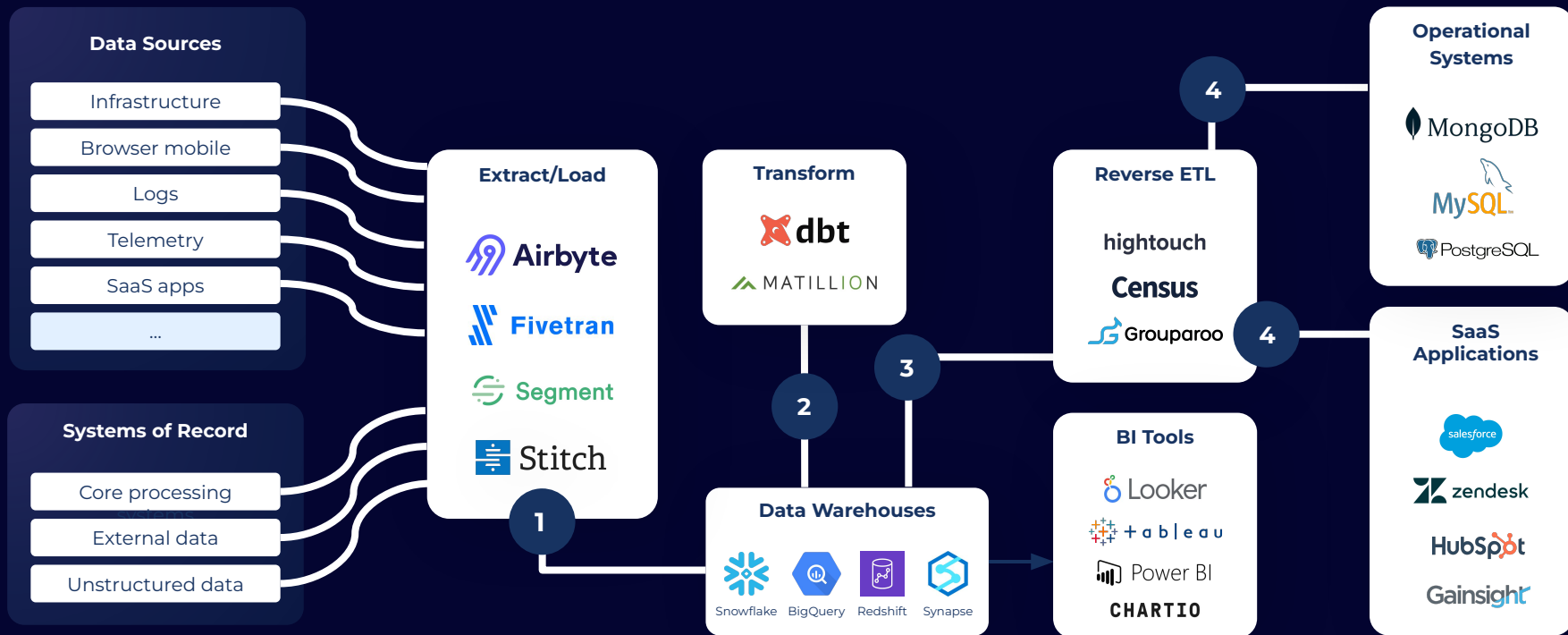
Simple, static
queries



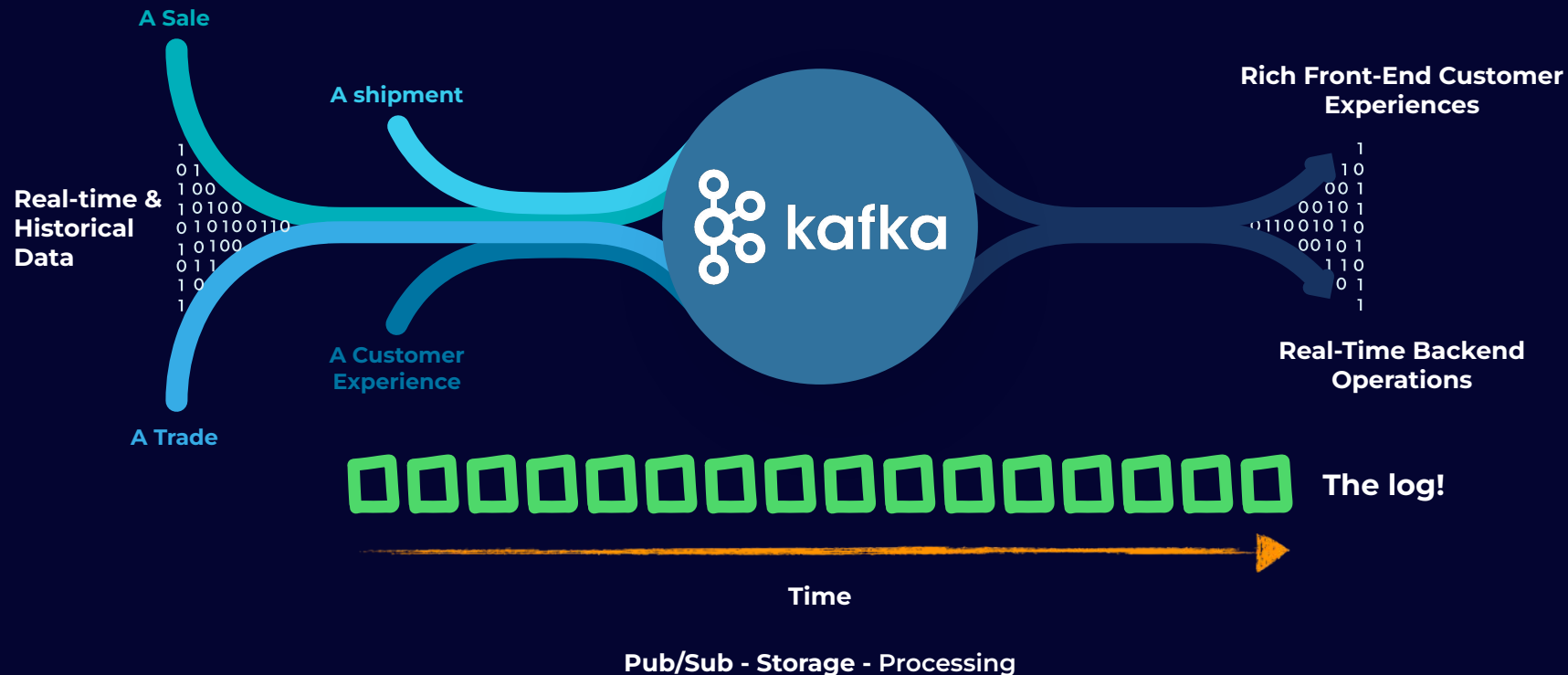
Slow, daily
batch **processing**

Data at rest

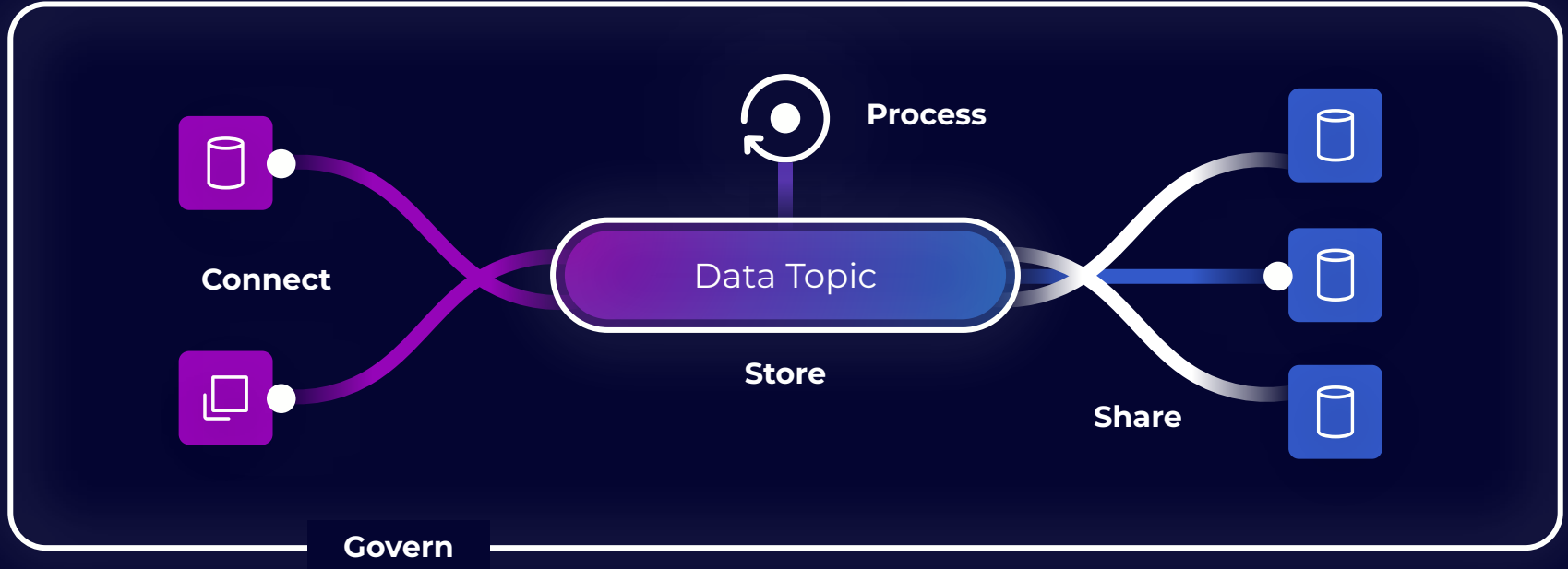
Zoom into the world of data integration...



Real-Time Stream Processing



Capabilities of a data streaming platform.



...shift the integration to the
Streaming Applications



Producers are
responsible for
producing data



Central
Platform team

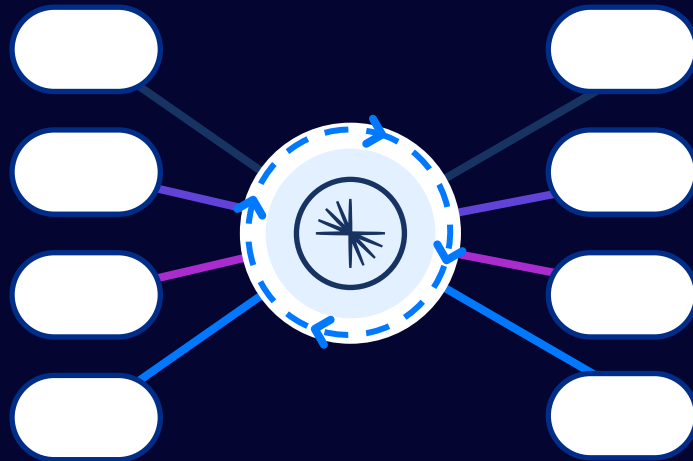
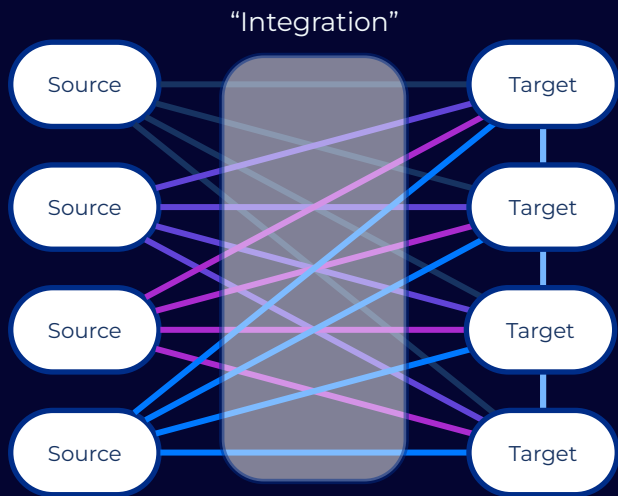


Consumers are
responsible for
consuming data



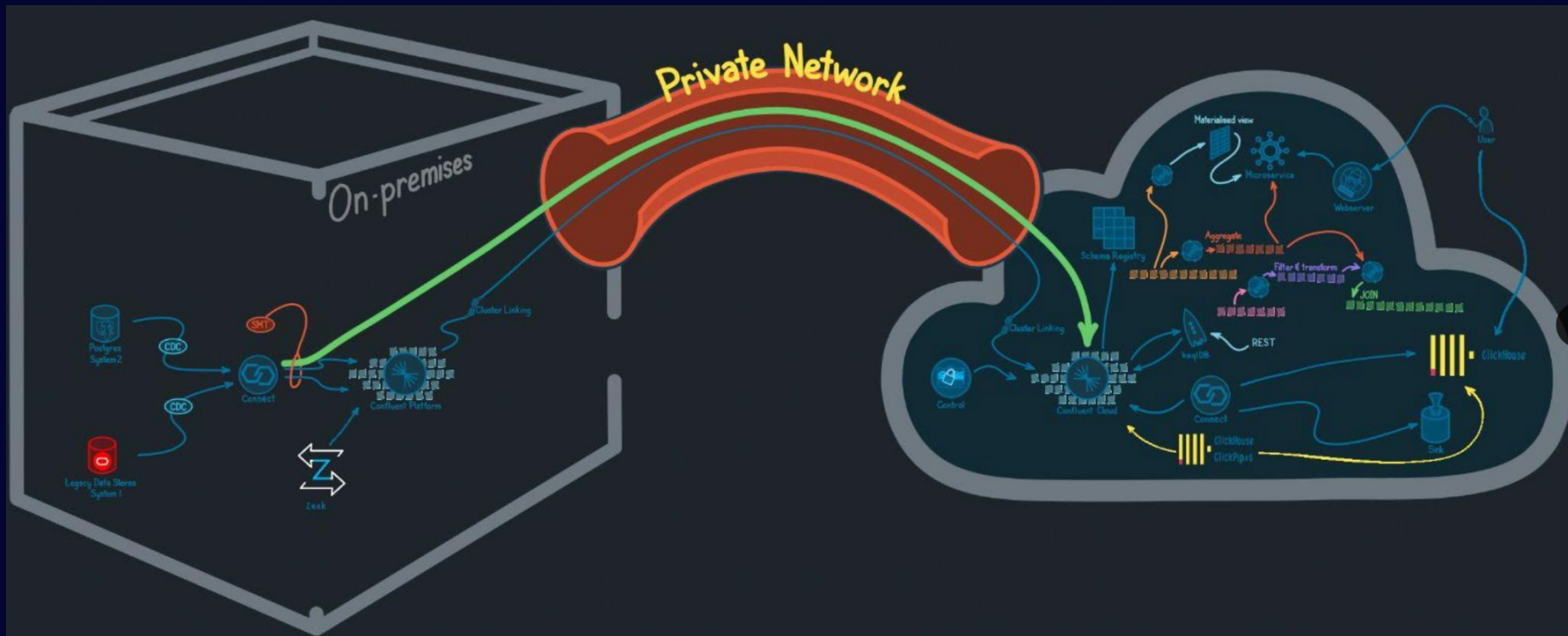


Moving to a scalable and truly decoupled architecture.

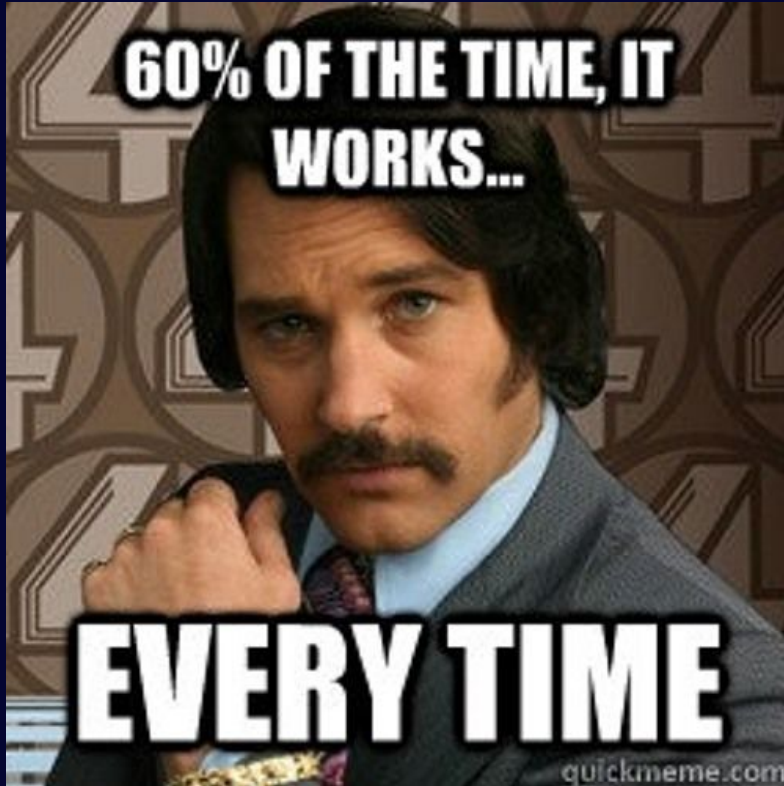




Whiteboard Architecture



Demo





Learnings:

1. Data sources are growing. Data volumes are growing. Current approach to integration is not sustainable.
2. Kappa Architecture is the future of Integration. (Event Driven Architecture)
3. Fast Data beats Slow Data.



Let's connect.



[linkedin.com/in/johnnym](https://www.linkedin.com/in/johnnym)



<https://github.com/JohnnyMirza>



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Developer

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