



Event Streaming with Apache Kafka & MongoDB

Hans-Peter Grahsl

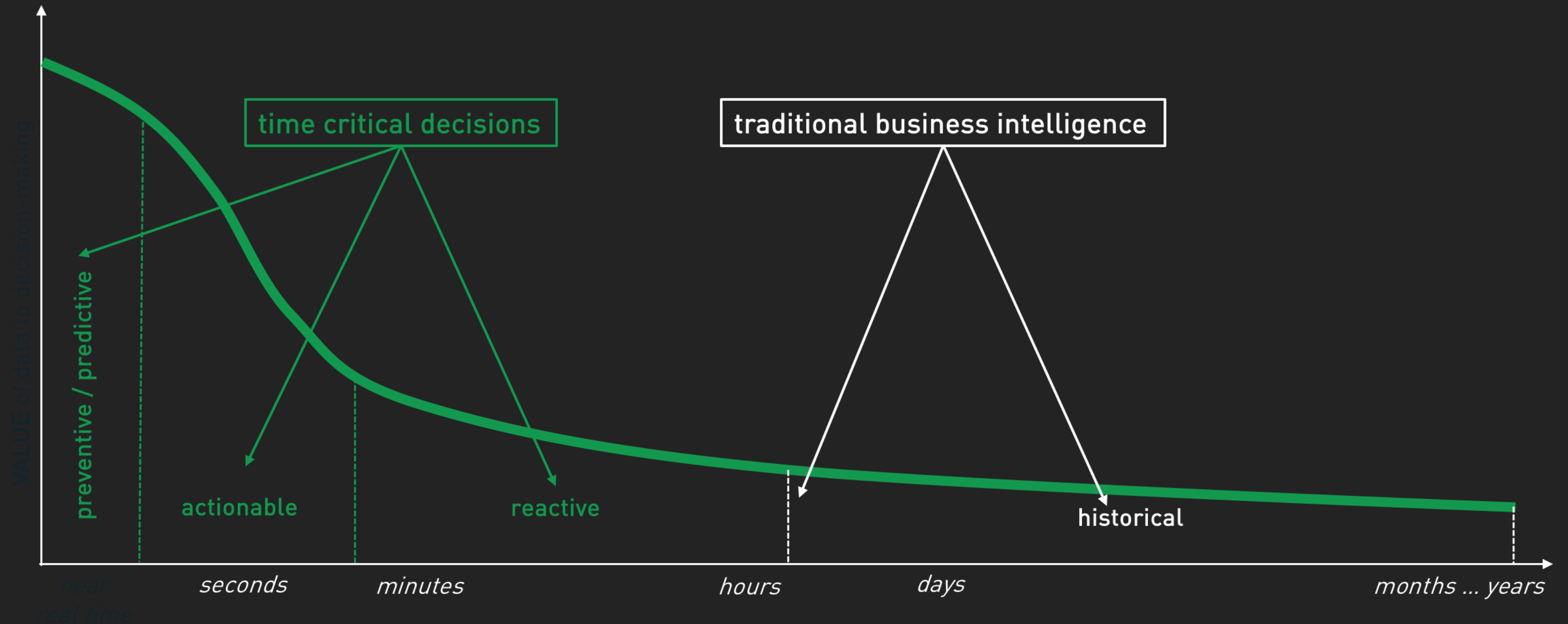


- working & living in Graz 🇦🇹
- technical trainer @ NETCONOMY
- engineer / consultant / speaker
- original sink connector author
- Confluent Community Catalyst

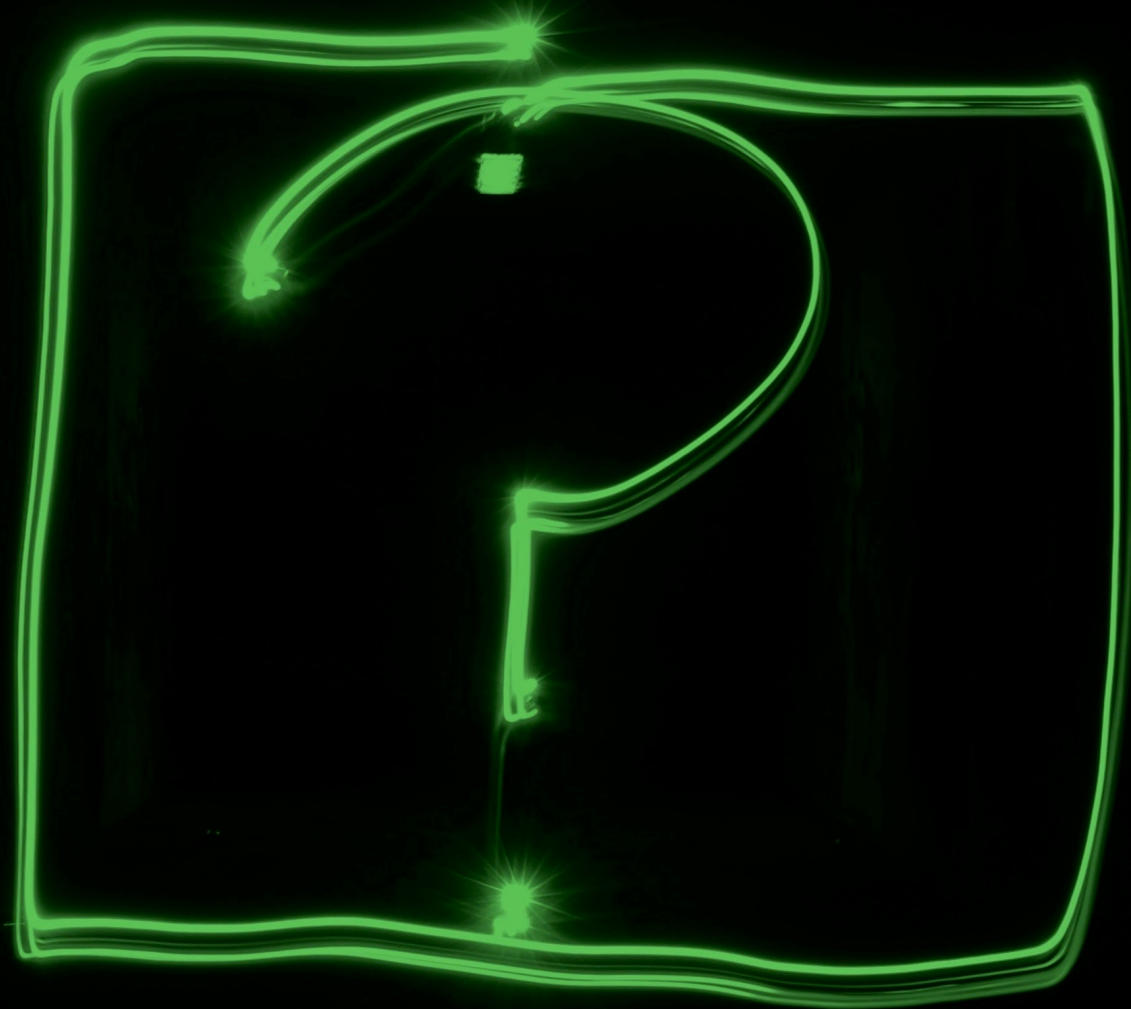


Event Streaming
is on the rise....

Diminishing Value of Data



Source: Perishable Insights, Mike Gualtieri, Forrester

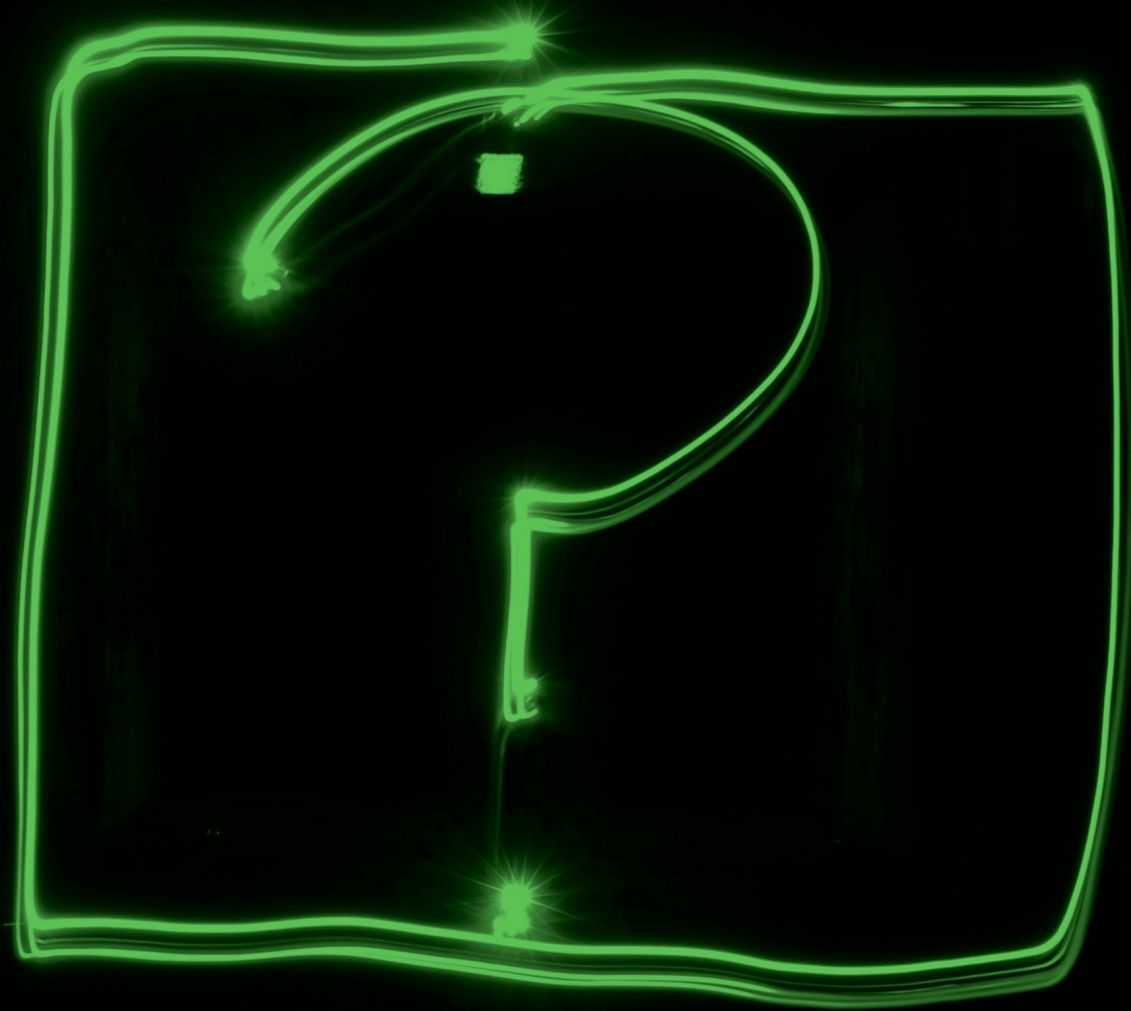


Events

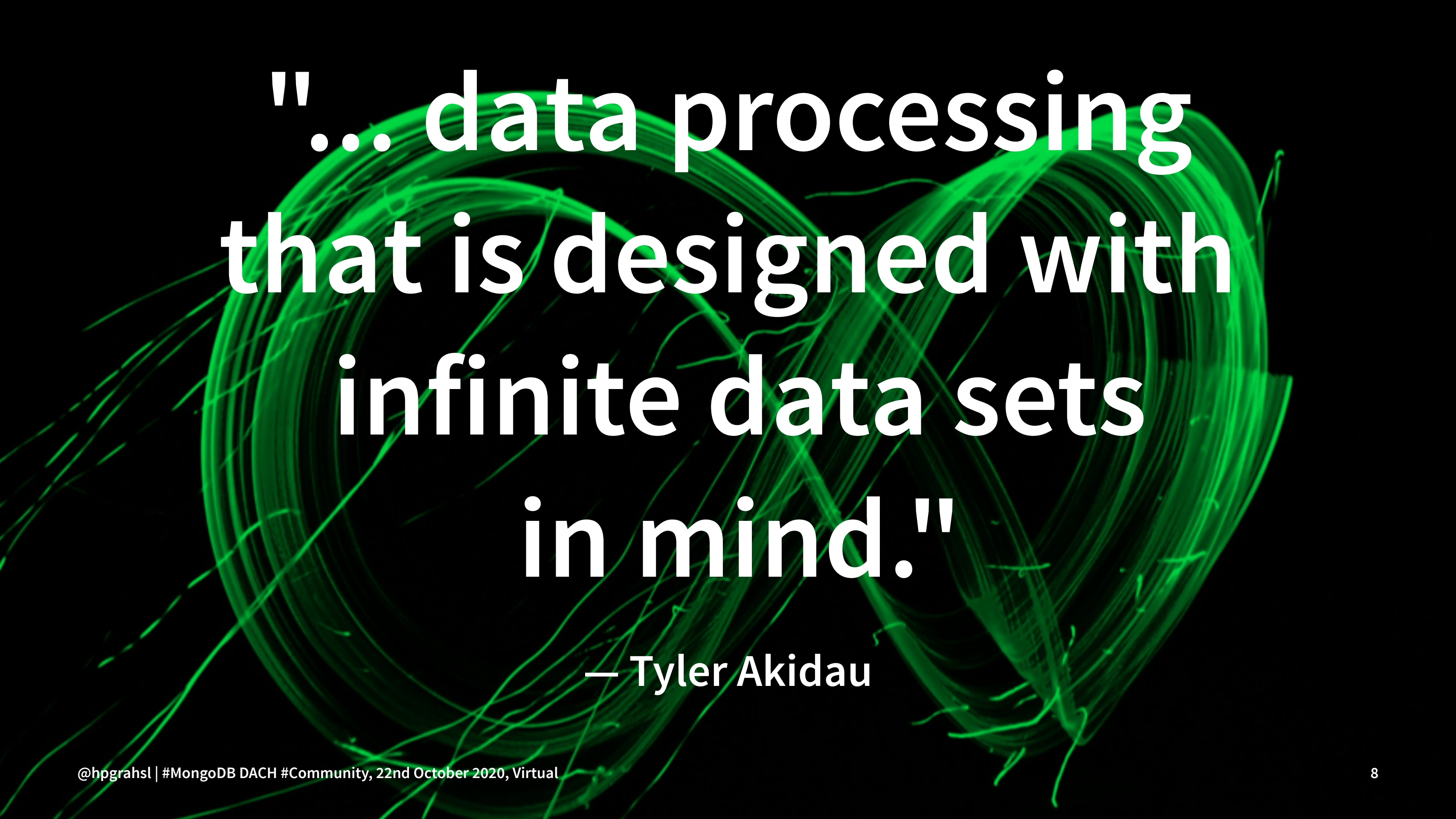


events...

...events everywhere!

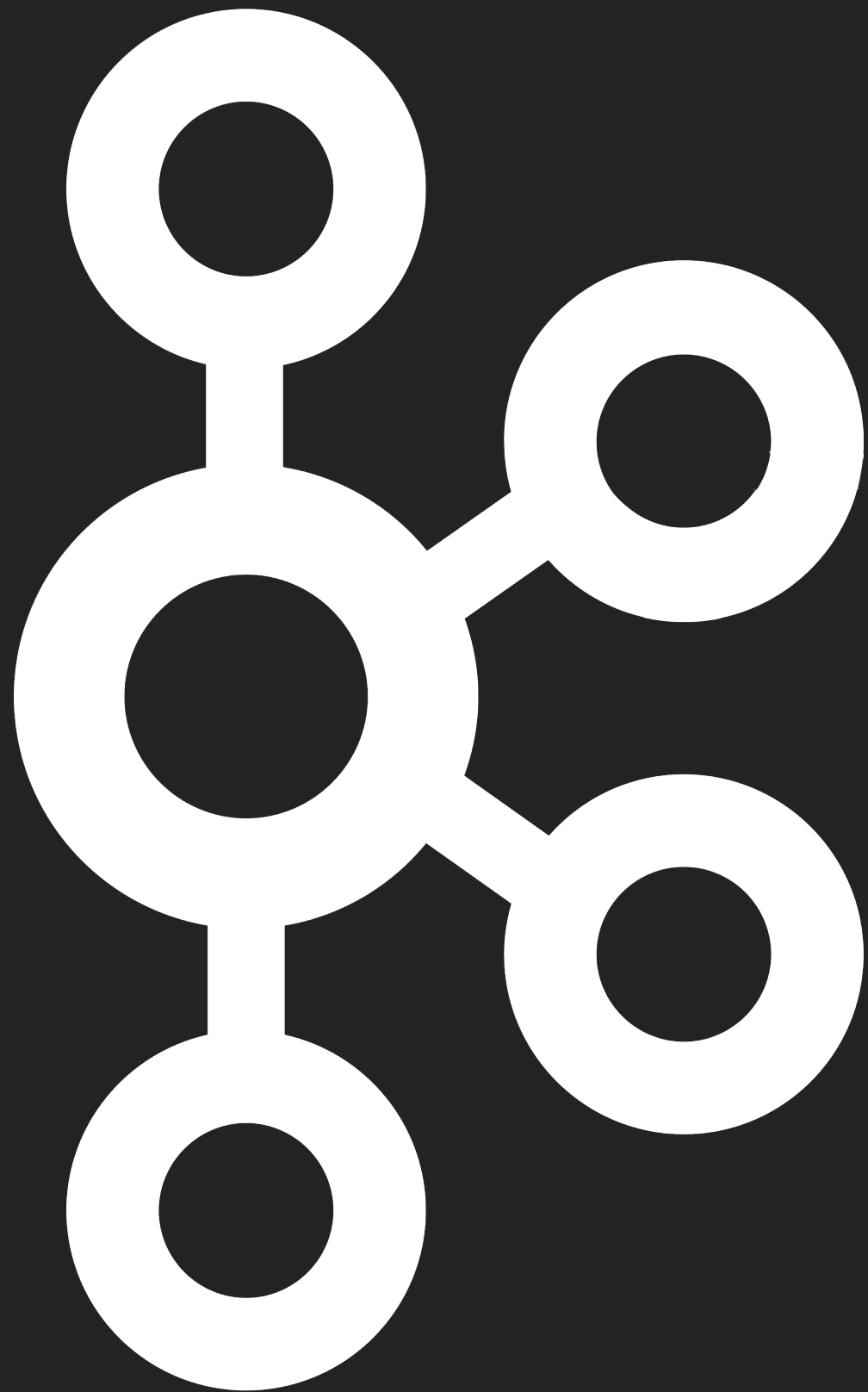


Streaming



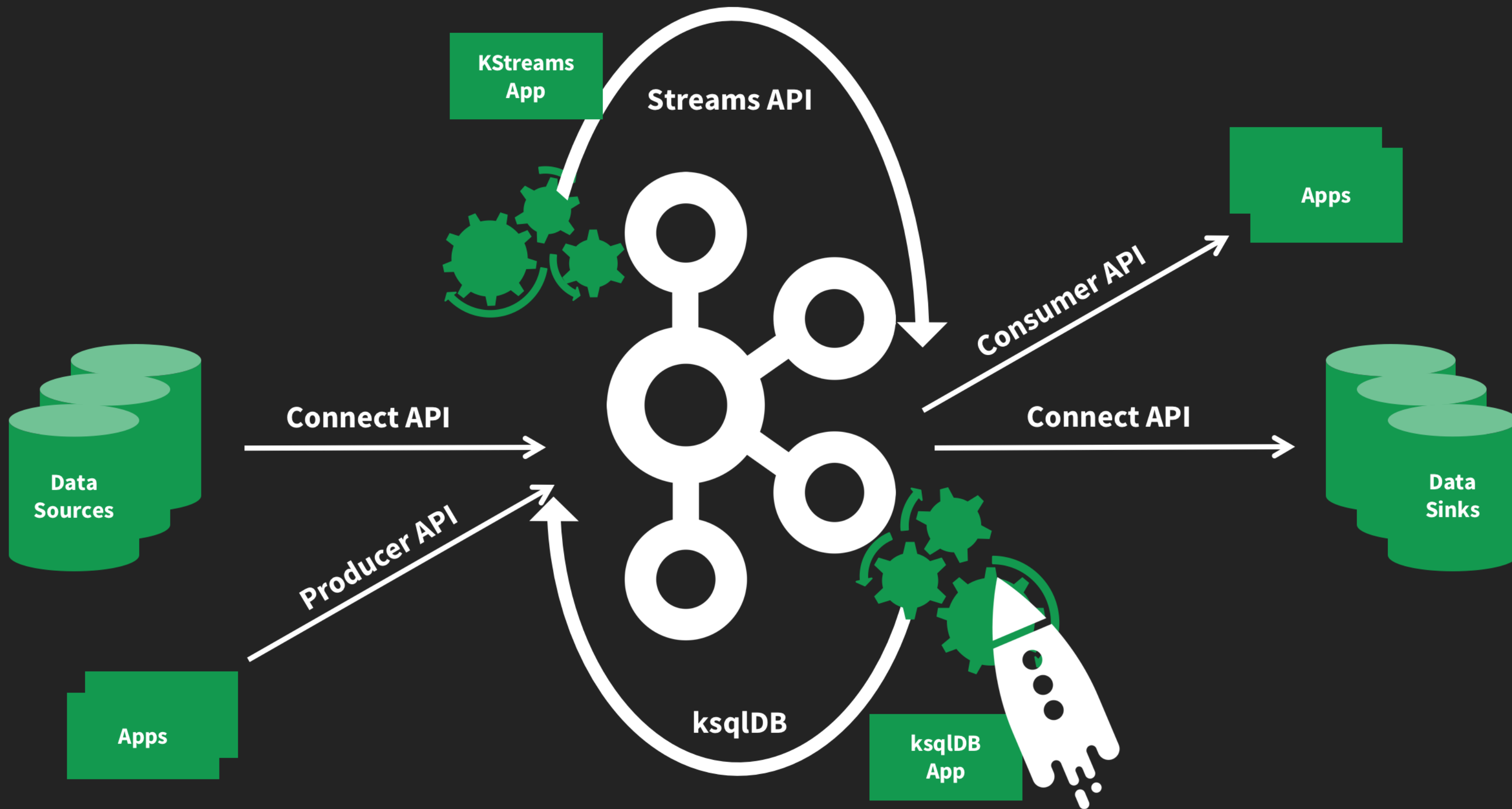
**"... data processing
that is designed with
infinite data sets
in mind."**

— Tyler Akidau



- 👉 messaging
- 👉 integration
- 👉 processing

plus storage



Operational Data Store ?





Operational Data Store ?

Operational data stores provide...

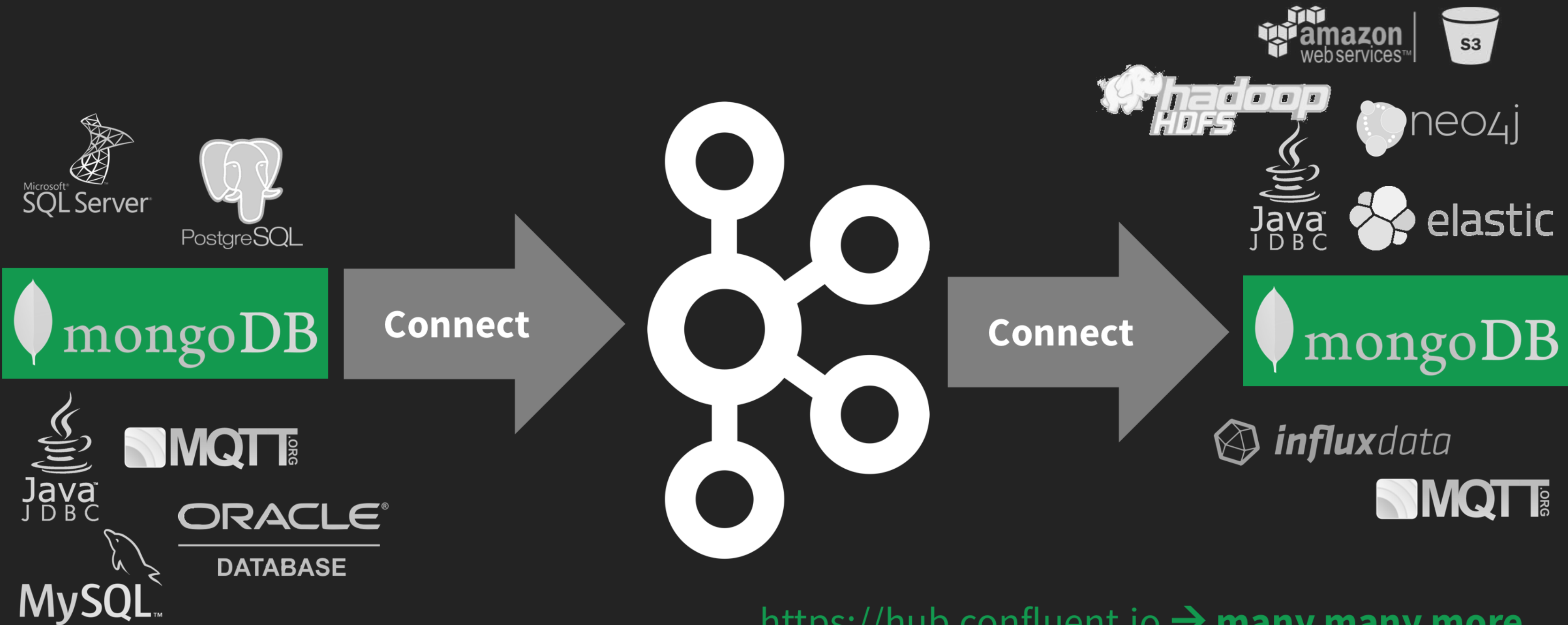
- 👉 richer data models
- 👉 arbitrary CRUD + convenient aggregations
- 👉 powerful secondary indexes
- 👉 fast + flexible analytics
- 👉 direct end-user serving

Why Apache Kafka and MongoDB ?

Apache Kafka + MongoDB = ❤️

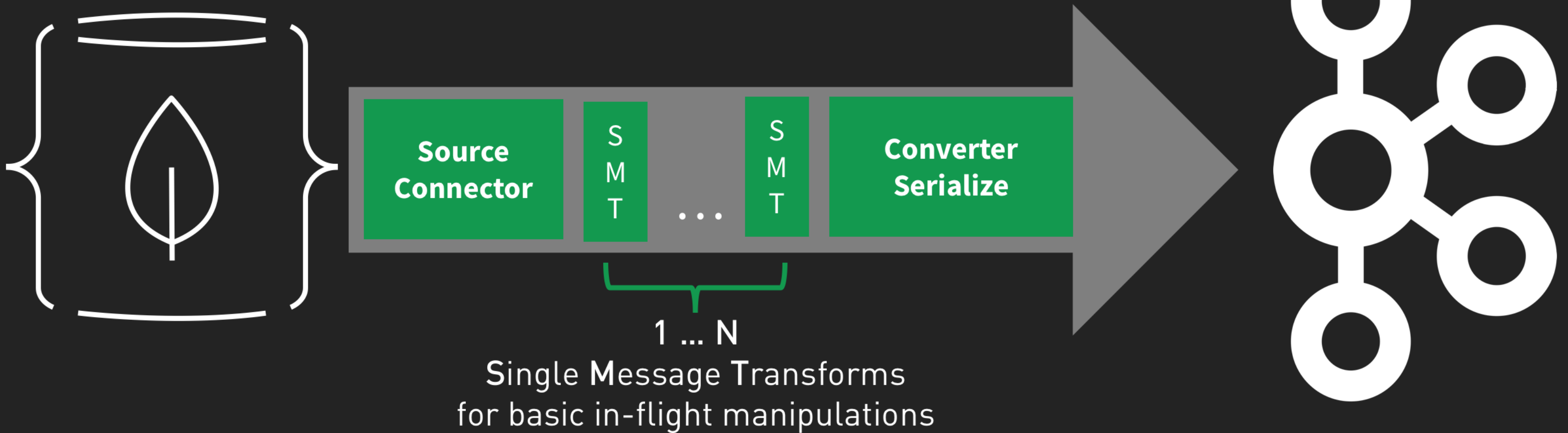
- ✓ scalability & high availability
- ✓ embrace data in motion
- ✓ data retention support
- ✓ seamless cold storage integration
- ✓ fully managed cloud offerings

Kafka Connectors

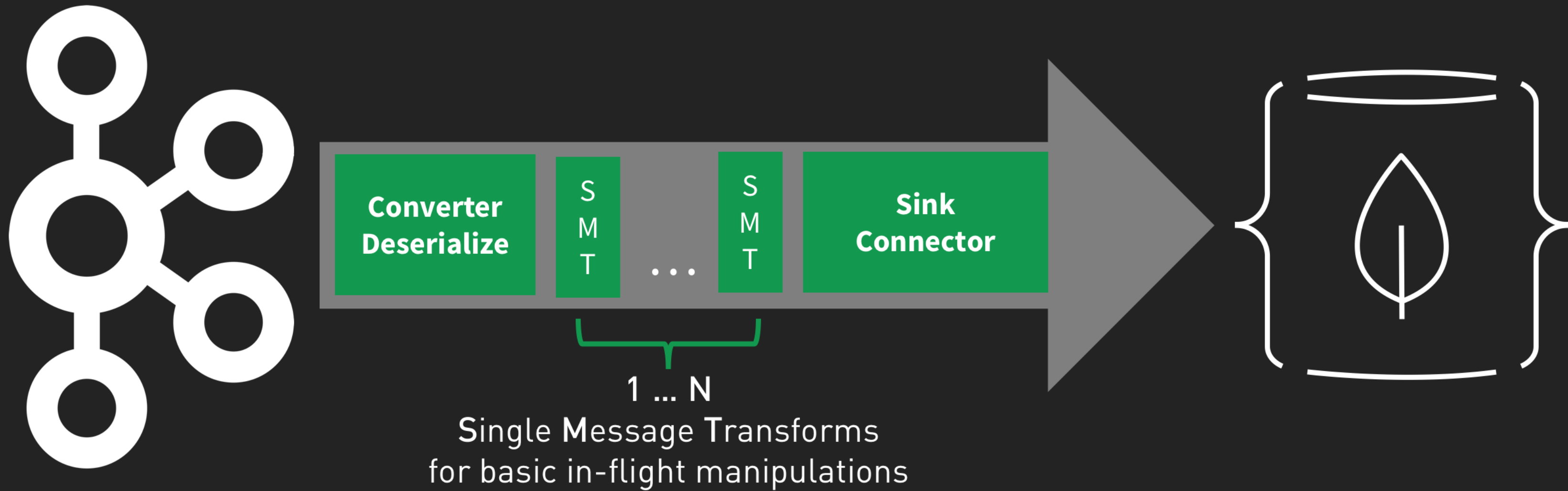


<https://hub.confluent.io> → many many more

Source Connectors



Sink Connectors



Confluent Hub

Discover Kafka[®] connectors and
more



What plugin are you looking for?



Version 1.3.0

Download

Available fully-
managed on
[Confluent Cloud](#)

Plugin type: ⓘ
Source, Sink

Enterprise support: ⓘ
Partner supported

Verification: ⓘ
Verified gold

License: ⓘ
[The Apache License,
Version 2.0](#)

MongoDB Connector for Apache Kafka

The official MongoDB Kafka connector, providing both Sink and Source connectors.

Installation

Confluent Hub CLI installation

Use the [Confluent Hub client](#) to install this connector with:

```
confluent-hub install mongodb/kafka-connect-mongodb:1.3.0
```

[Copy](#)

Download installation

Or download the ZIP file and extract it into one of the directories that is listed on the Connect worker's plugin.path configuration properties. This must be done on each of the installations where Connect will be run.

Download

By downloading you agree to the [terms of use](#) and [software license agreement](#).

Configure an instance of your connector

Once installed, you can then create a connector configuration file with the connector's settings, and deploy that to a Connect worker.

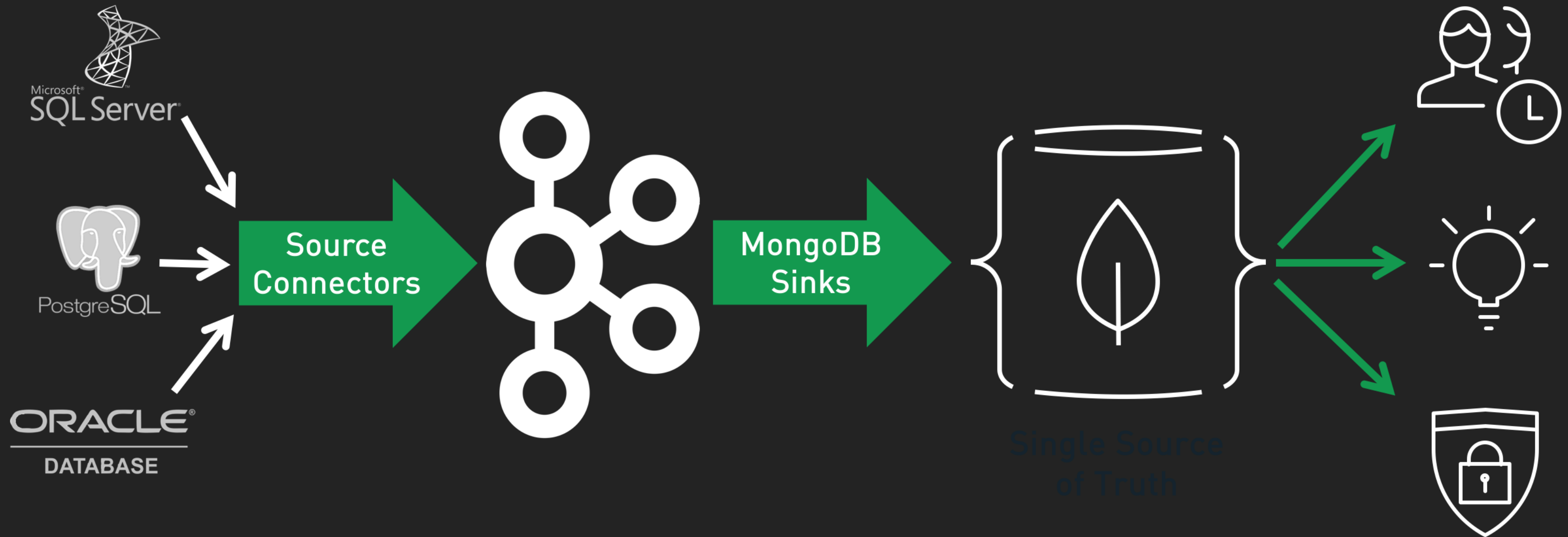
[See here for more detailed instructions.](#)

Support

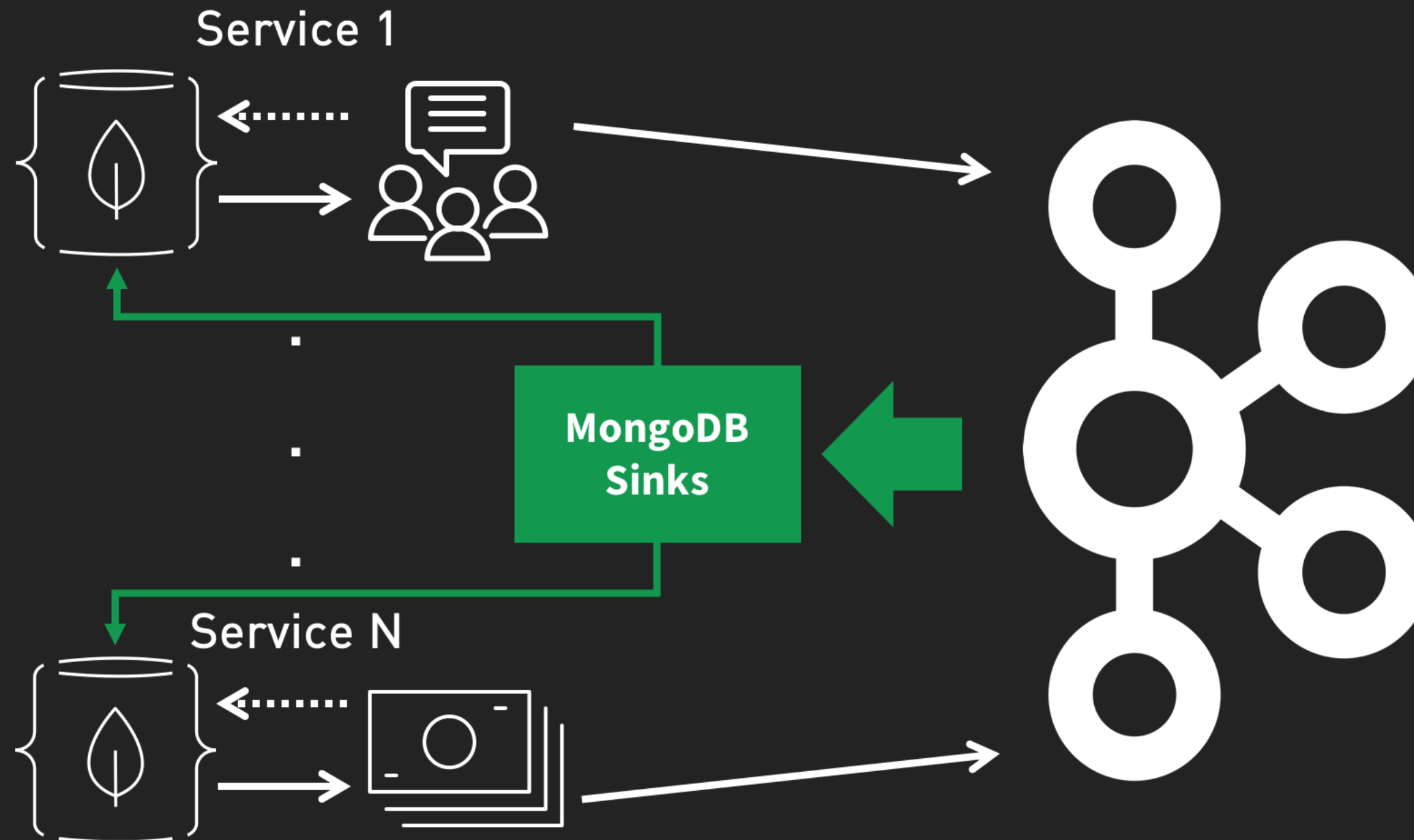
Officially supported by MongoDB.

Exemplary Use Cases

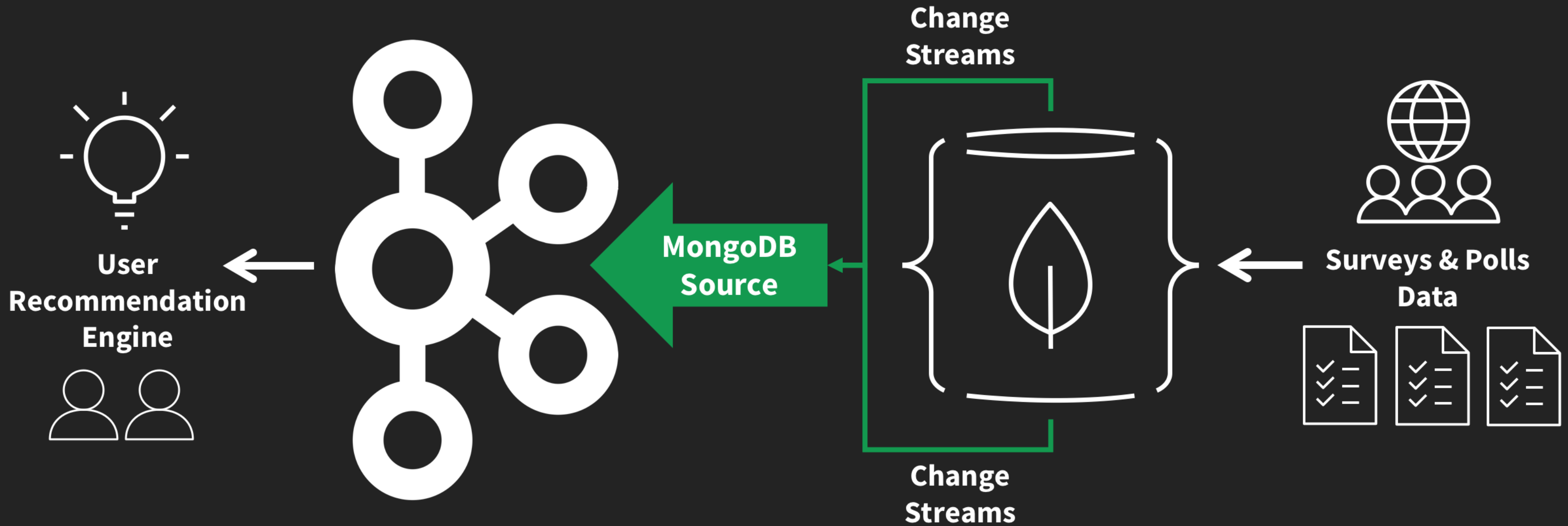
Single Customer View



Synchronization across Services



Real-Time Recommendations



reach out to me



@hpgrahsl



slides are here



<https://bit.ly/35kplwp>

Thank
you!

