

Event-driven architecture ... Why, and why now?

Current 2022 - Meetup Hub 4 October 2022

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Simon Aubury

Why event streaming?



Life isn't lived in batches

Life is really a stream of events ...

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Take a bunch of events







Event-driven architecture is a software architecture paradigm promoting the production .. consumption and reaction to events.

https://en.wikipedia.org/wiki/Event-driven_architecture

The business event



Real estate business





How?



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Messages are not events!





Messages are not events!









Many options



Kafka *

* Including flavours of





Is event driven for you?

Event Streaming Paradigm

To rethink data as not stored records or transient messages, but instead as a continually updating stream of events





What does good look like?





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Complex data problem solving



What good looks like

Going from good to great



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Brokers, compaction, retention, lifecycle management - and cloud options; partitions segments & partitioning strategies



Integration - sources, sinks, change data

Schema management - AVRO, ProtoBuf version management, schema mutation and projection

Producer guarantees, **delivery** guarantees, exactly once semantics, consumer rebalancing, groups and offsets, cluster linking

Stream processing architecture; stream processing frameworks

Security, governance, sharing, linage, management

Building EDA systems around a stream of events

1 wast bluet

Start now

Thanks - questions?

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AND OTHER ANIMALS Counting Koalas with Kafka

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Koala Counting with Kafka

1:00 pm - 1:45 pm Wed 5 Oct Exhibit Hall 5