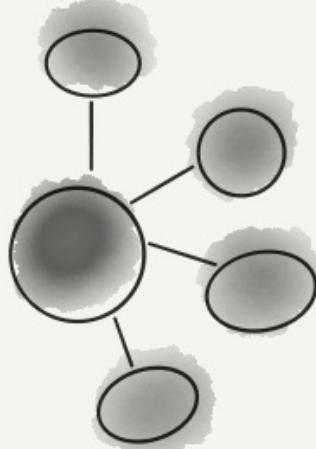
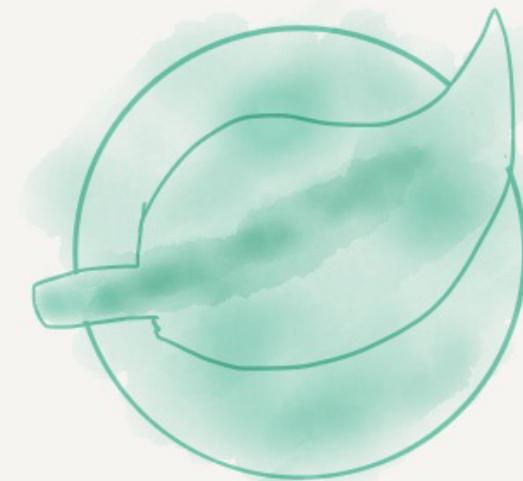


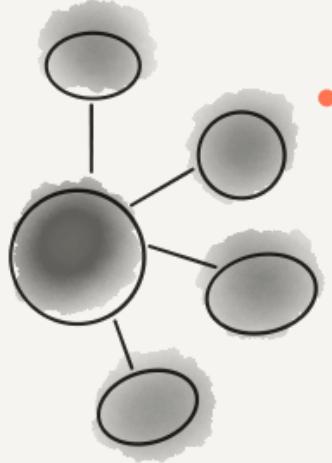
MICROSERVICES WITH



+

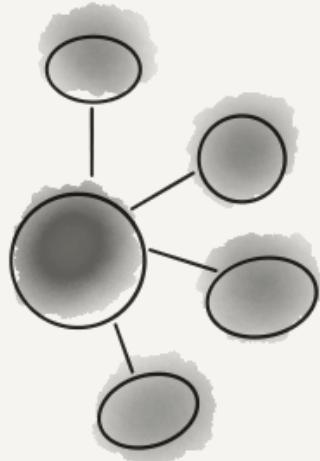


(Distributed
Systems)



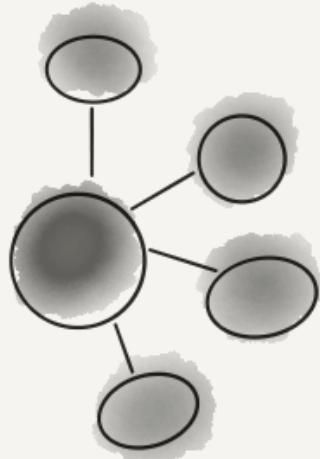
- Messages & Batches
- Topics & Partitions
- Producers & Consumers
- Brokers & Clusters
- Multiple Clusters

Producers



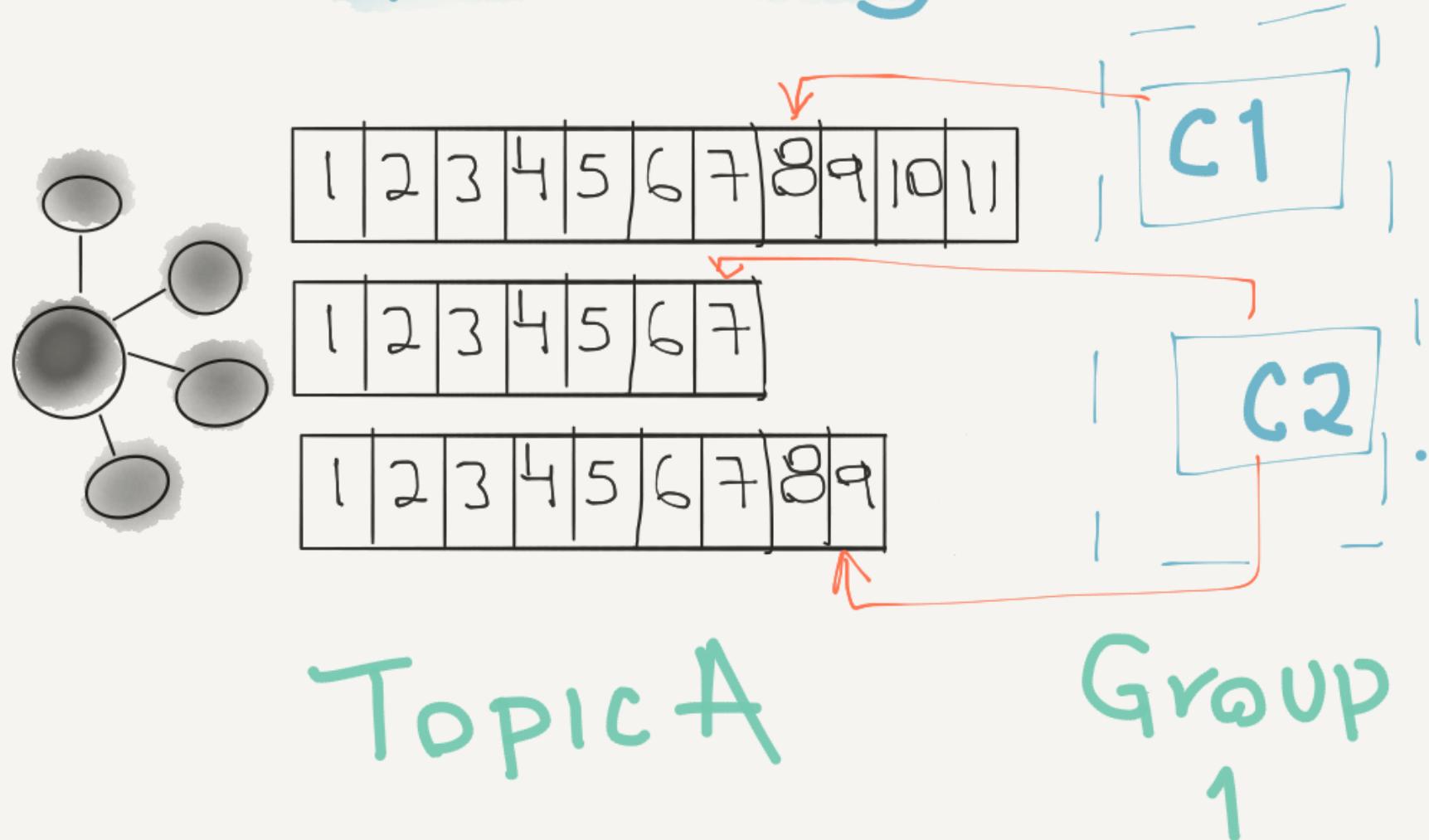
- acks
- retries
- batch.size
- timeouts
- transactions

Consumers

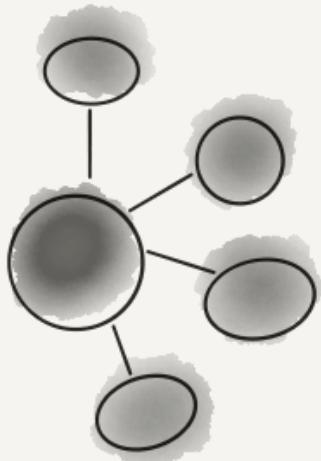


- groups
- auto.commit
- max.poll.records
- offset
- rebalance

Delivery Order



Reliable Delivery



- Replication Factor
- Unclean Leader E.
- Minimum In-Sync R.
- ACKS & Retries
- Commits & offset

Projects



- spring-kafka
- spring-integration
kafka
- spring-cloud -
streams

**Mathias Verraes**

@mathiasverraes

Follow

There are only two hard problems in distributed systems:
2. Exactly-once delivery
1. Guaranteed order of messages
2. Exactly-once delivery

RETWEETS

6,775

LIKES

4,727

10:40 AM - 14 Aug 2015



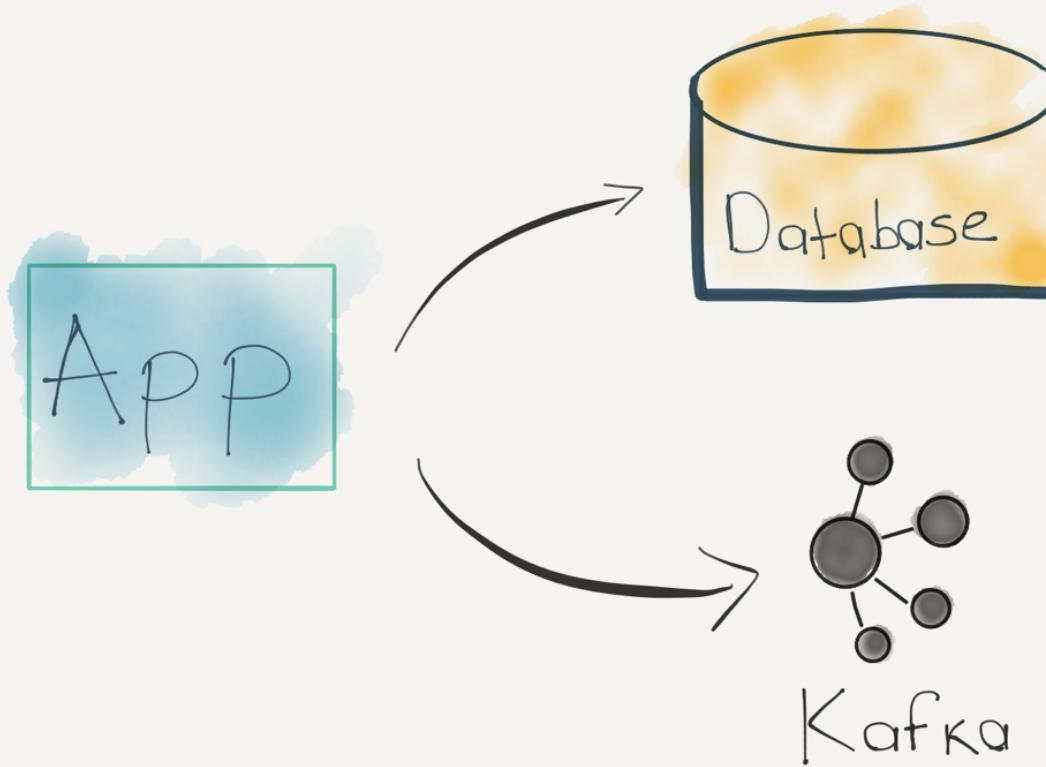
69



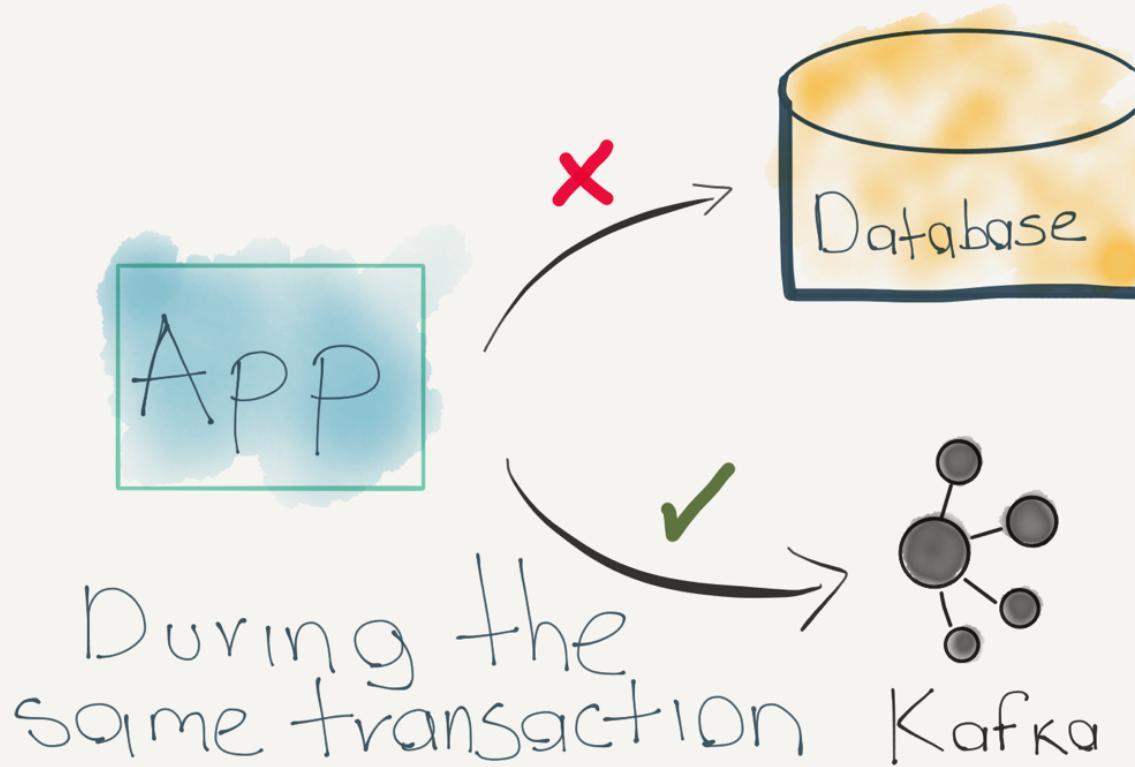
6.8K

**4.7K**

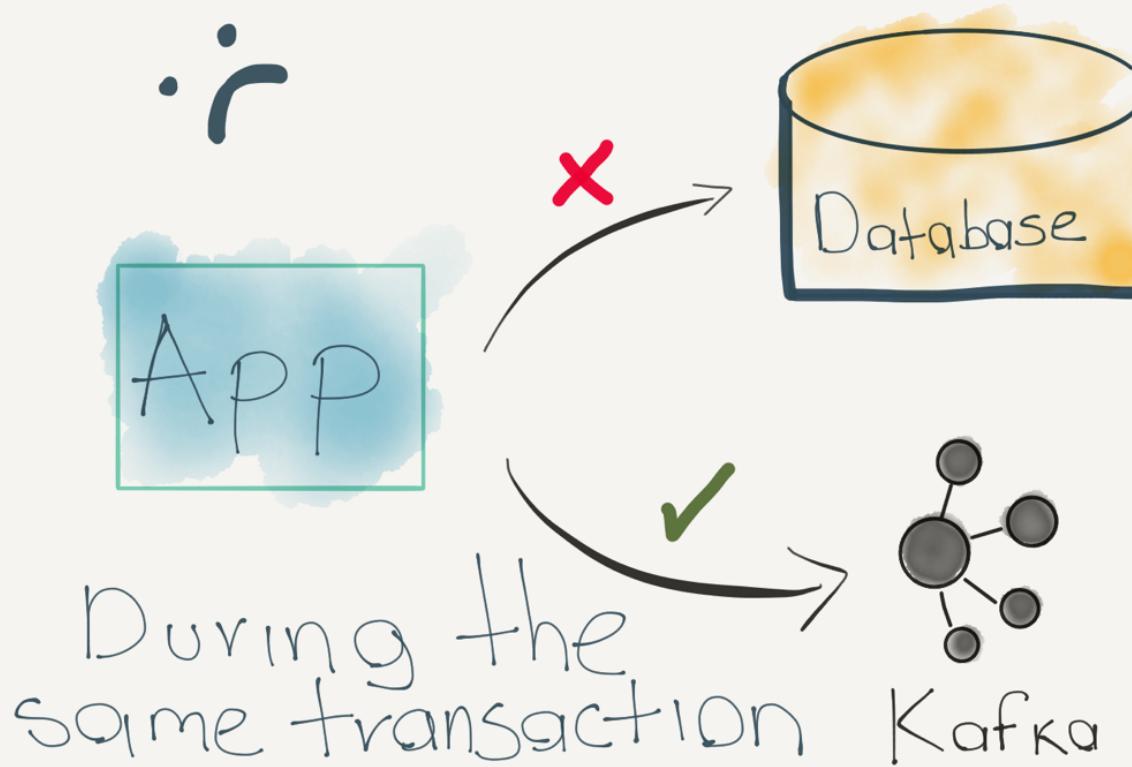
Exactly-Once?



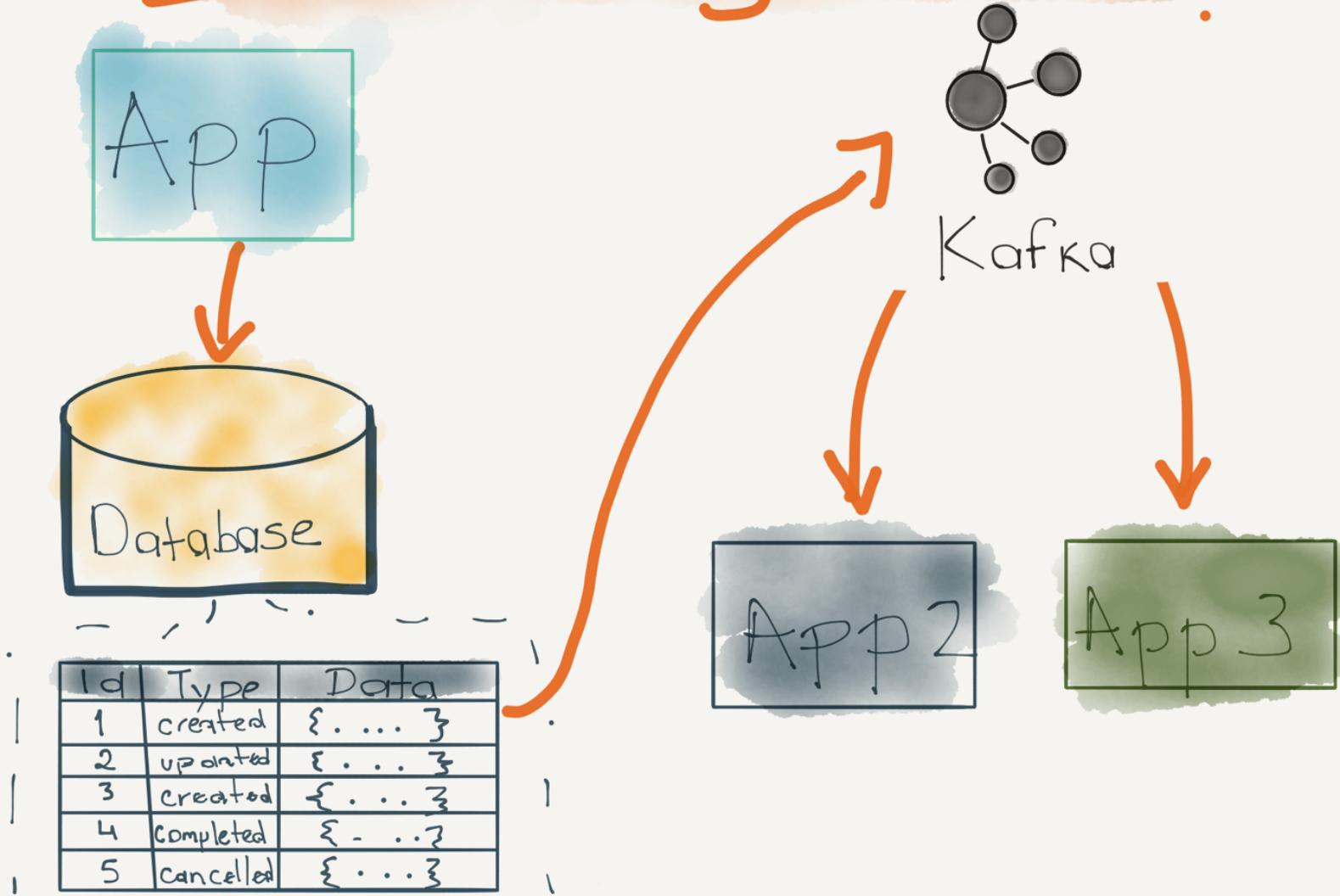
Exactly-Once?



Exactly-Once?



Exactly-Once?



Exactly-Once?

