

Event streaming applications With Kafka Streams, Spring Kafka and Actuator



Ko Turk
Developer @



You will learn

How to:

- Produce / consume messages
- Process big data
- Create proper monitoring

- --> spring-kafka
- --> kafka-streams
- --> actuator

MARNING

This meeting will contain live coding, so everything could (potentially) go wrong.



The story....









but it's slow....



Let' Apache Kafka! With Apache async

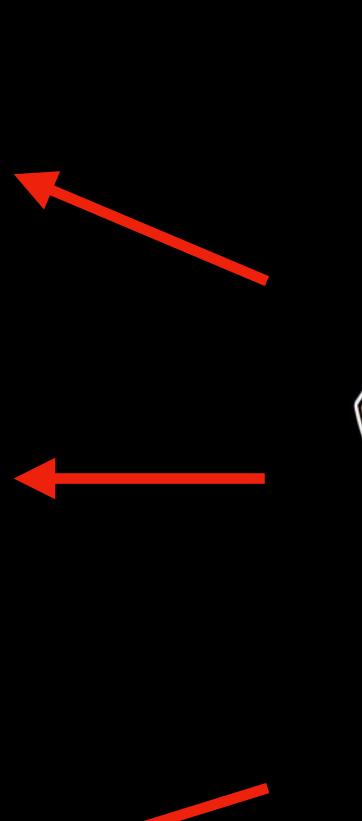
EVENT STREAMING APPLICATIONS

With Kafka Streams, Spring Kafka and Actuator





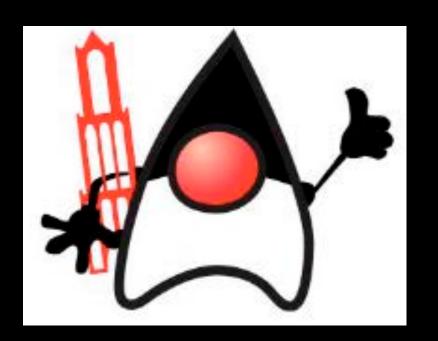














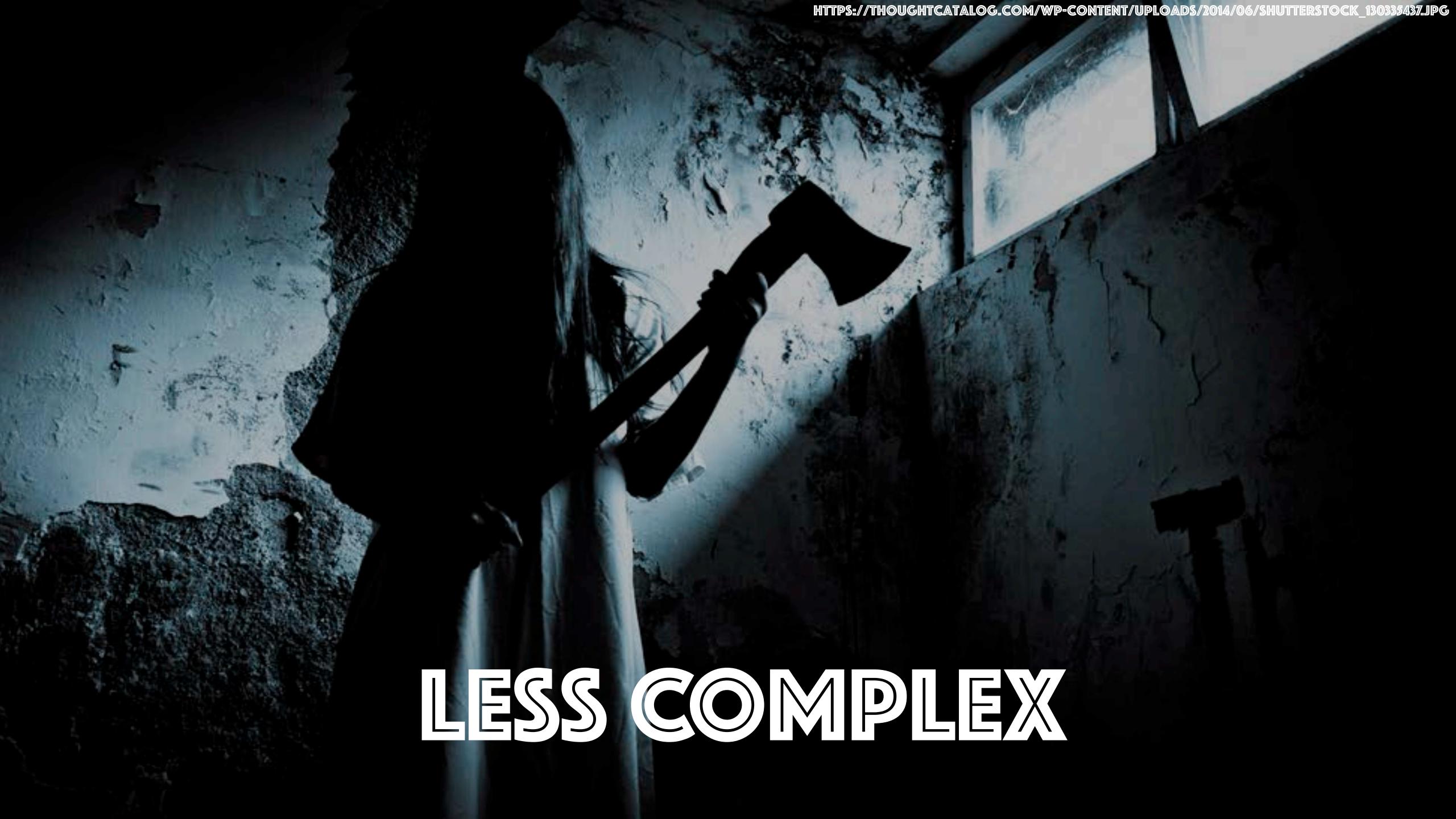




but first, why?? event streaming









FAULT TOLERANT



REPLAYABILITY

For that we have

8 kafka

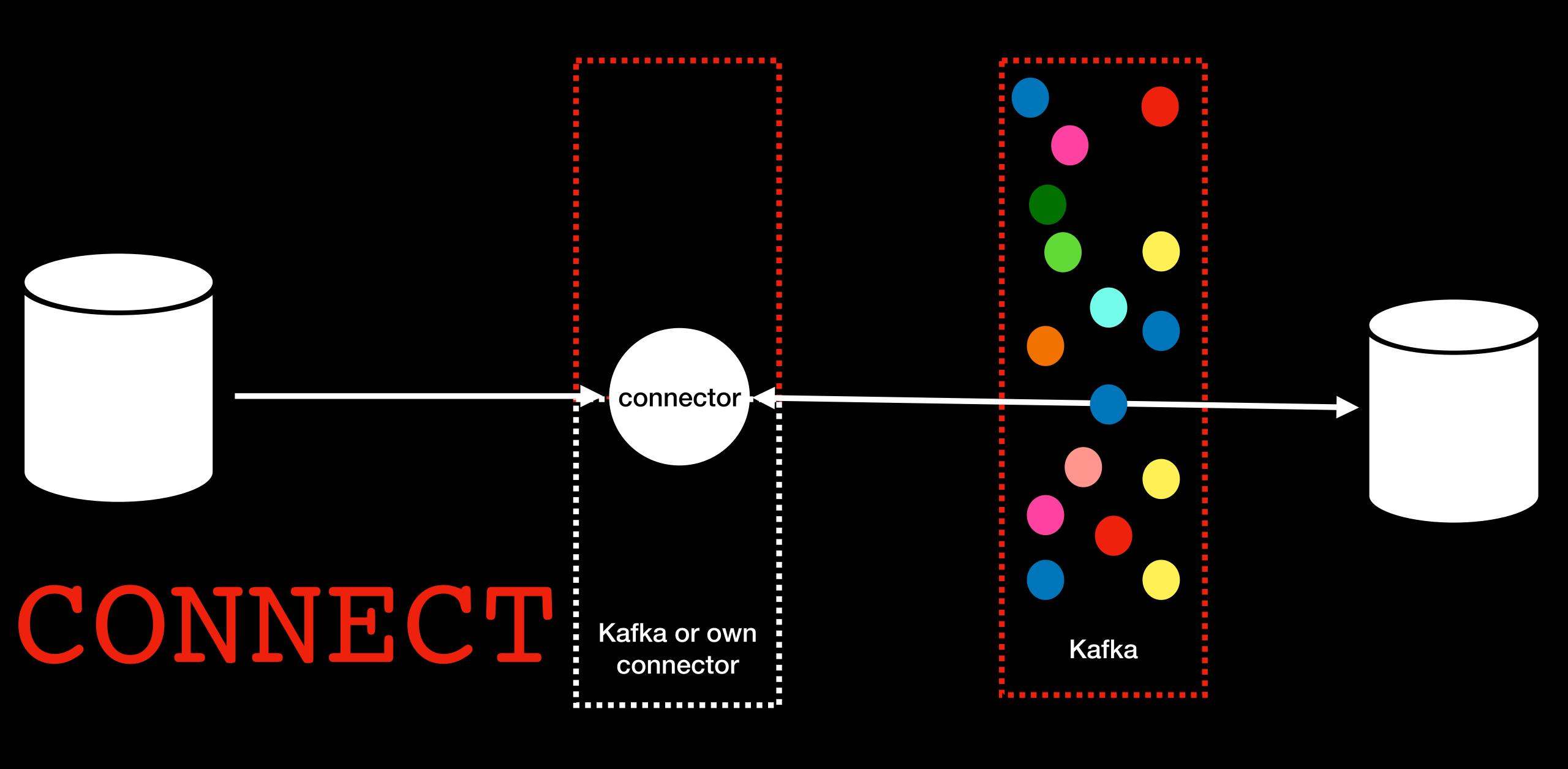


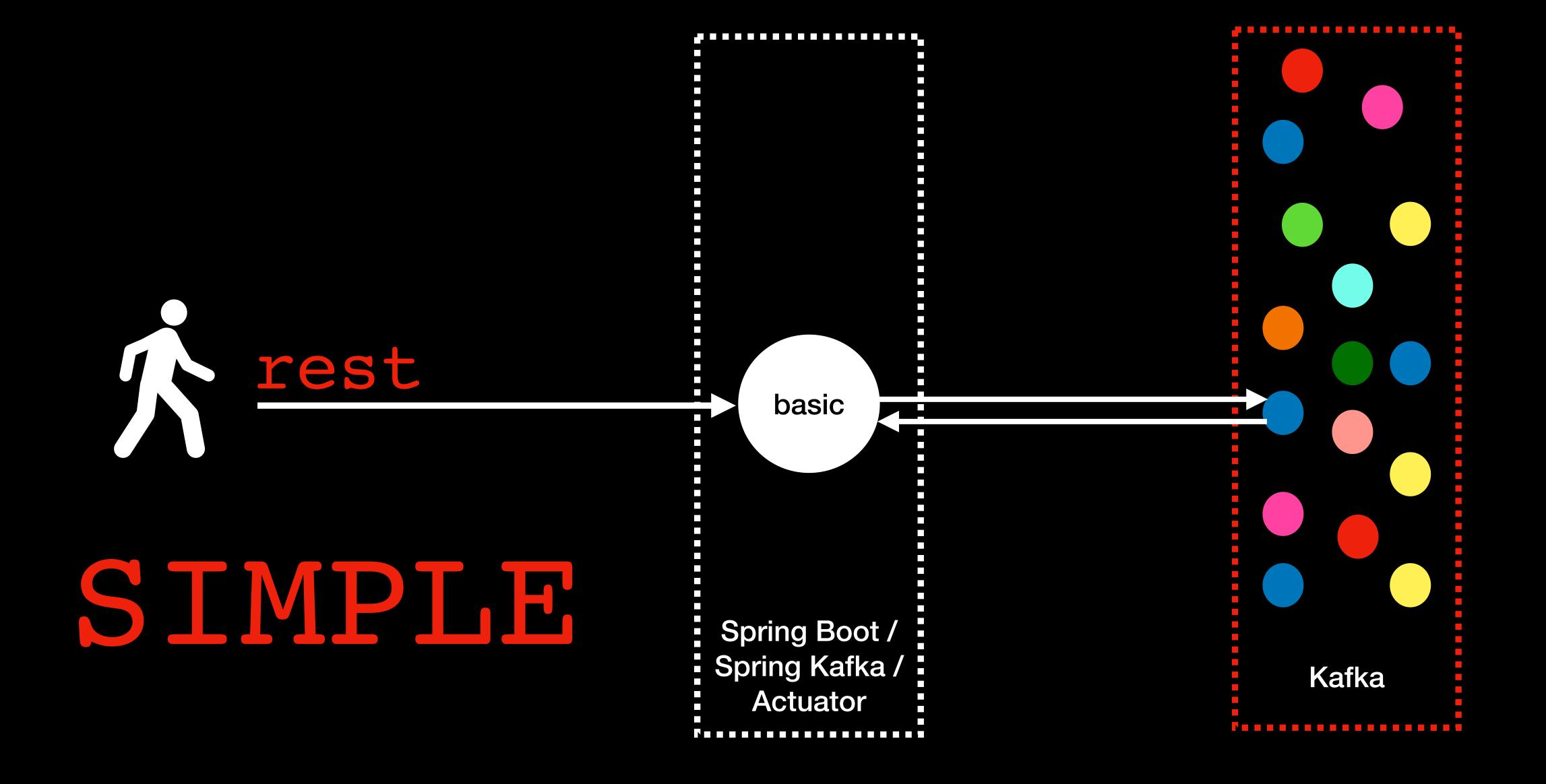


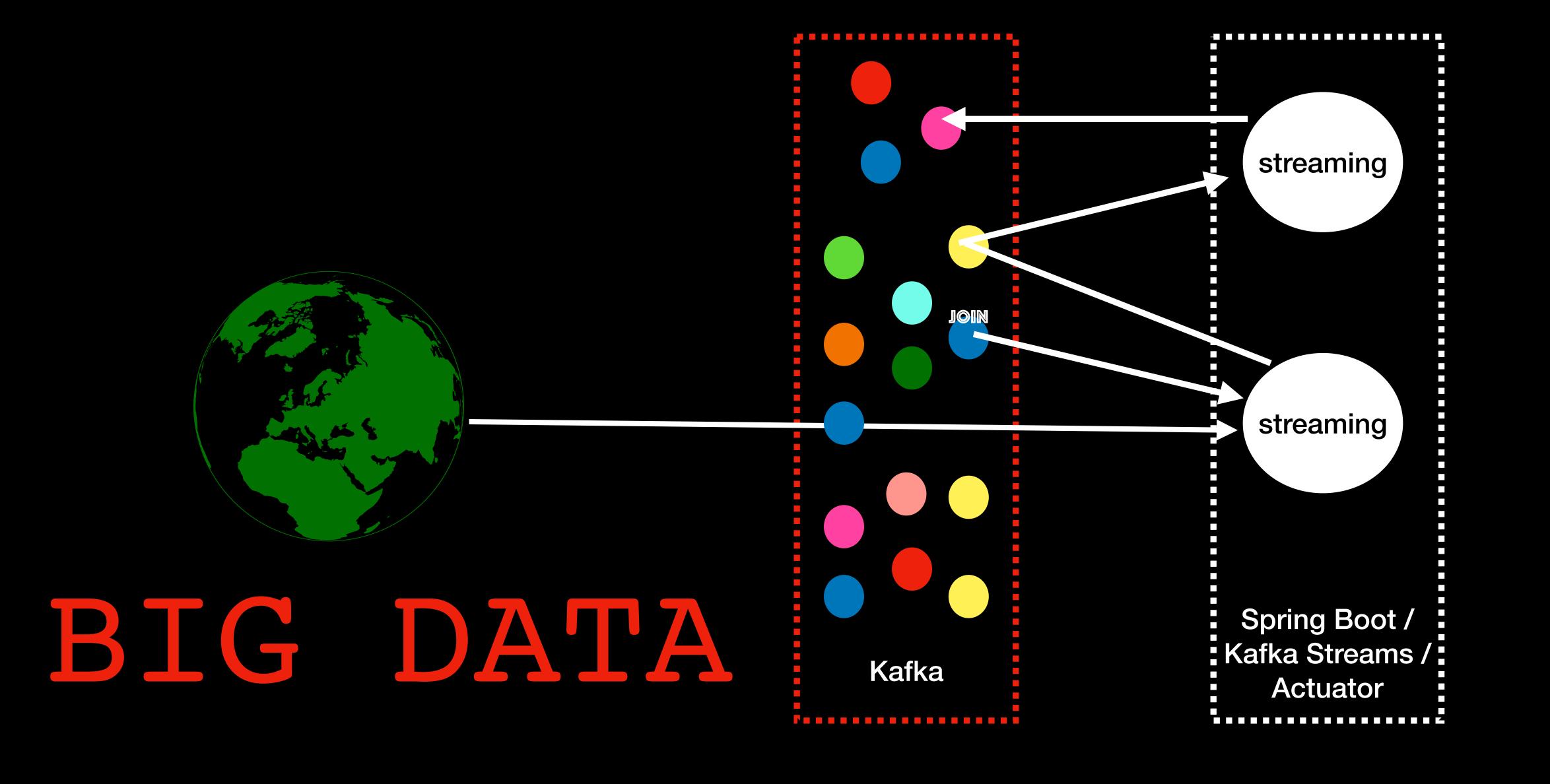














You learned

How to use:

- Consumer
- Producer
- Streams

- -> @KafkaListener
- -> Kafkatemplate
- -> Streamsbuilder

Learn to create metrics (actuator)!!

REFERENCES

for more fun

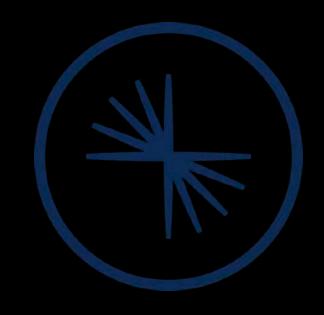
 spring-kafka https://docs.spring.io/spring-kafka/docs/ current/reference/html/#preface





 kafka-streams https://developer.confluent.io/tutorials/





• spring-boot-starter-actuator https://youtu.be/UNszkYpaMZc?t=688







Thank

Slides + code (branch 'solution'): https://github.com/KoTurk/Kafka/tree/main/JBCNConf Follow me at Twitter: @KoTurk77