



Event streaming applications
With Kafka Streams, Spring Kafka and Actuator



Ko Turk
Developer @



You will learn

How to:

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

With

- spring-kafka
- kafka-streams
- spring-boot-starter-actuator

WARNING

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



The story.....



IT WAS A NIGHTMARE



TO BE A DEVELOPER (in the 90's)



CORBA



A dark, atmospheric scene featuring a solar eclipse with a bright corona, palm trees, and a chain-link fence.

SOAP



A dark, atmospheric hallway with a hospital bed and wheelchair.

REST

but it's slow.....

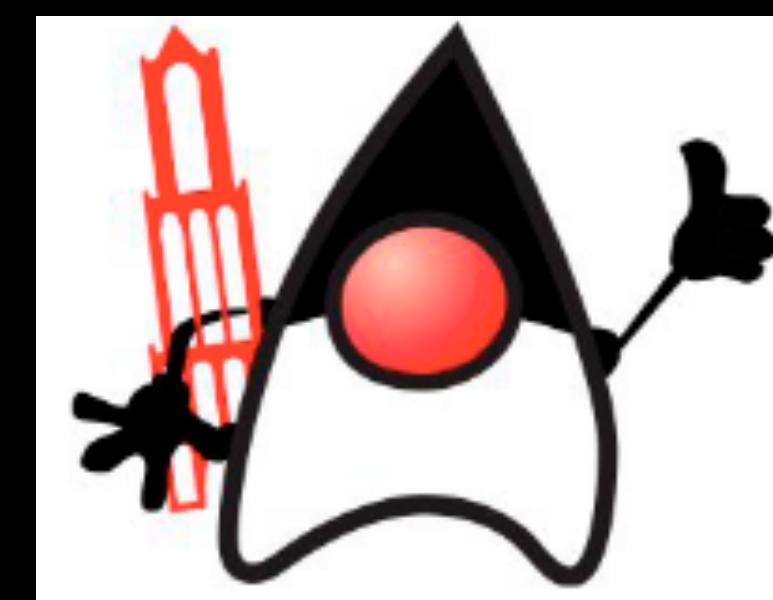
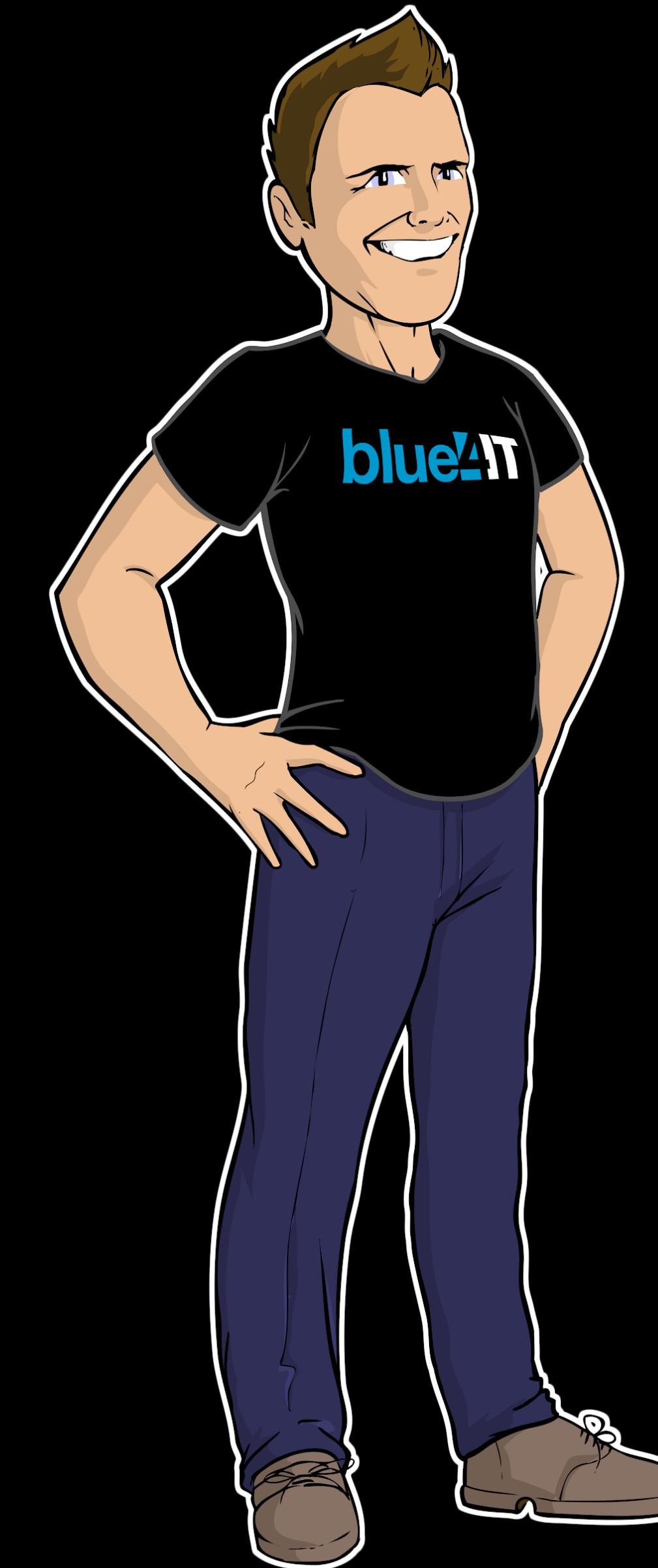


Let's
With Apache Kafka!
async

EVENT STREAMING APPLICATIONS

With Kafka Streams, Spring Kafka and Actuator

MARRIED



@KOTURK77

but first, why??
event streaming



EVENTS



A dramatic night scene featuring the Ghost Rider. He is a skeletal figure with a flaming skull head, wearing a black leather jacket and pants. He is riding a black motorcycle with a large chrome sidecar. The sidecar is engulfed in intense orange and yellow flames. The background is dark, with some foliage visible on the left. The overall atmosphere is dark and intense.

SOMETHING FAST



A black and white photograph of a woman with long hair, wearing a dark top. She is holding a large axe over her shoulder with both hands. The background is dark and textured, possibly a wall or doorway. The lighting is dramatic, highlighting the axe and her profile.

LESS COMPLEX



FAULT TOLERANT



REPLAYABILITY

For that we have



kafka

BATCHING

BATCHING EVERYWHERE

memegenerator.net



ME STARTING THE DAILY RITUAL

OF LOOKING FOR THE REMOTE

imgflip.com



Copy Cat

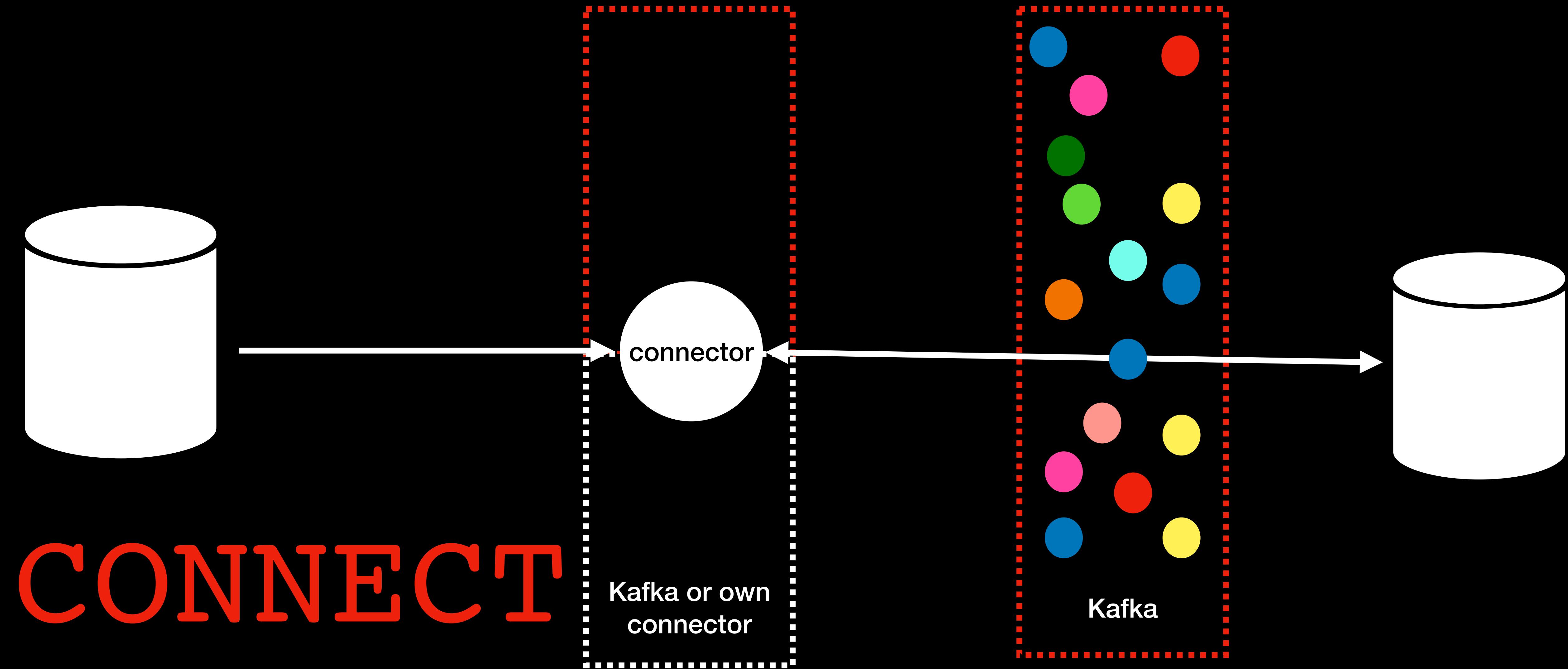


But why not using
RABBITMO

A photograph of three clowns standing side-by-side. The clown on the left has a multi-colored, spiky hairstyle and wears a green and yellow ruffled collar. The clown in the center has a red ruffled collar and a red bow tie. The clown on the right has a red ruffled collar and a red bow tie. All three clowns have white face paint with dark blue or black eyebrows and a single red nose. They are wearing dark-colored clothing.

THREE FLAVOURS

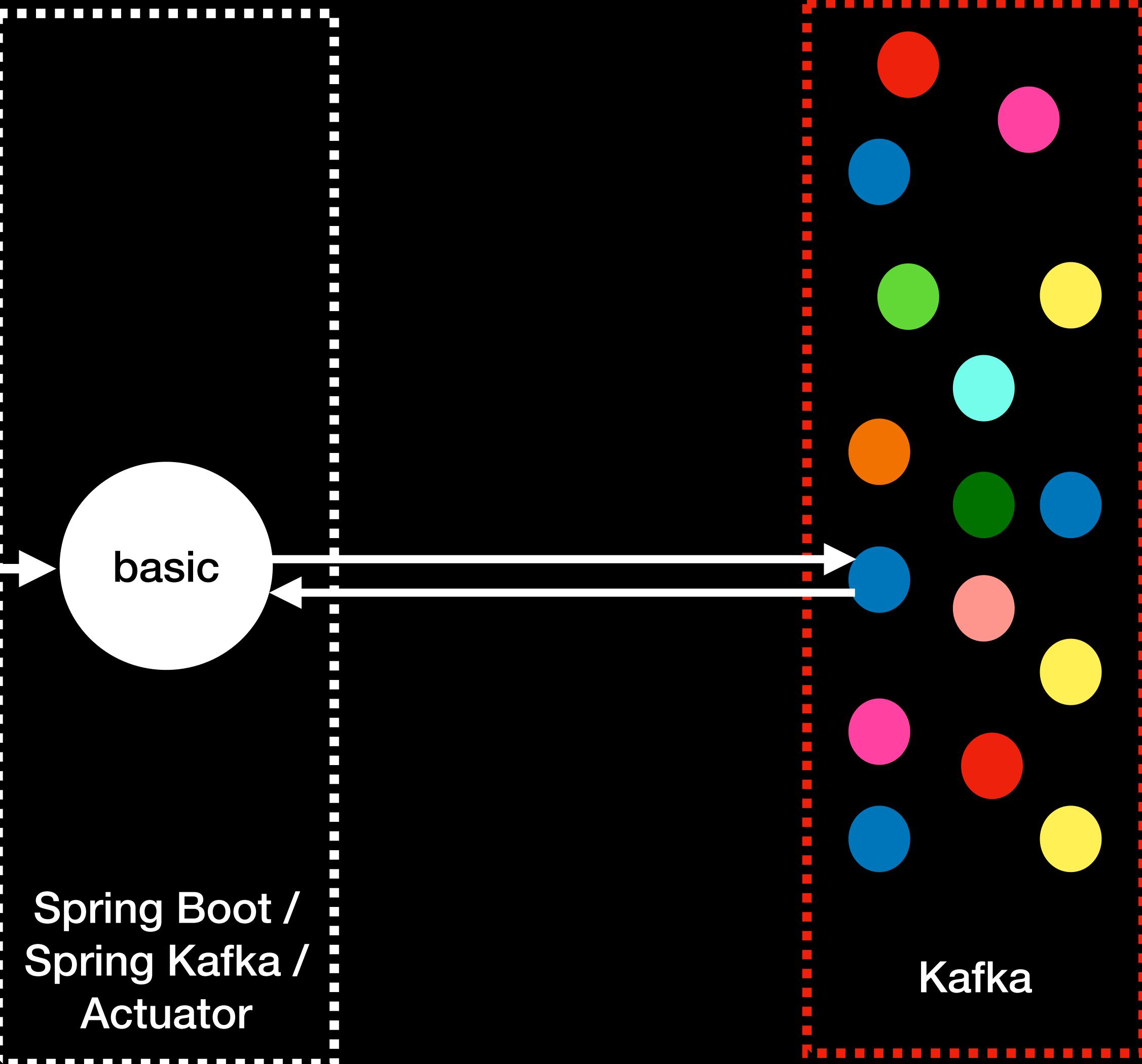
CONNECT



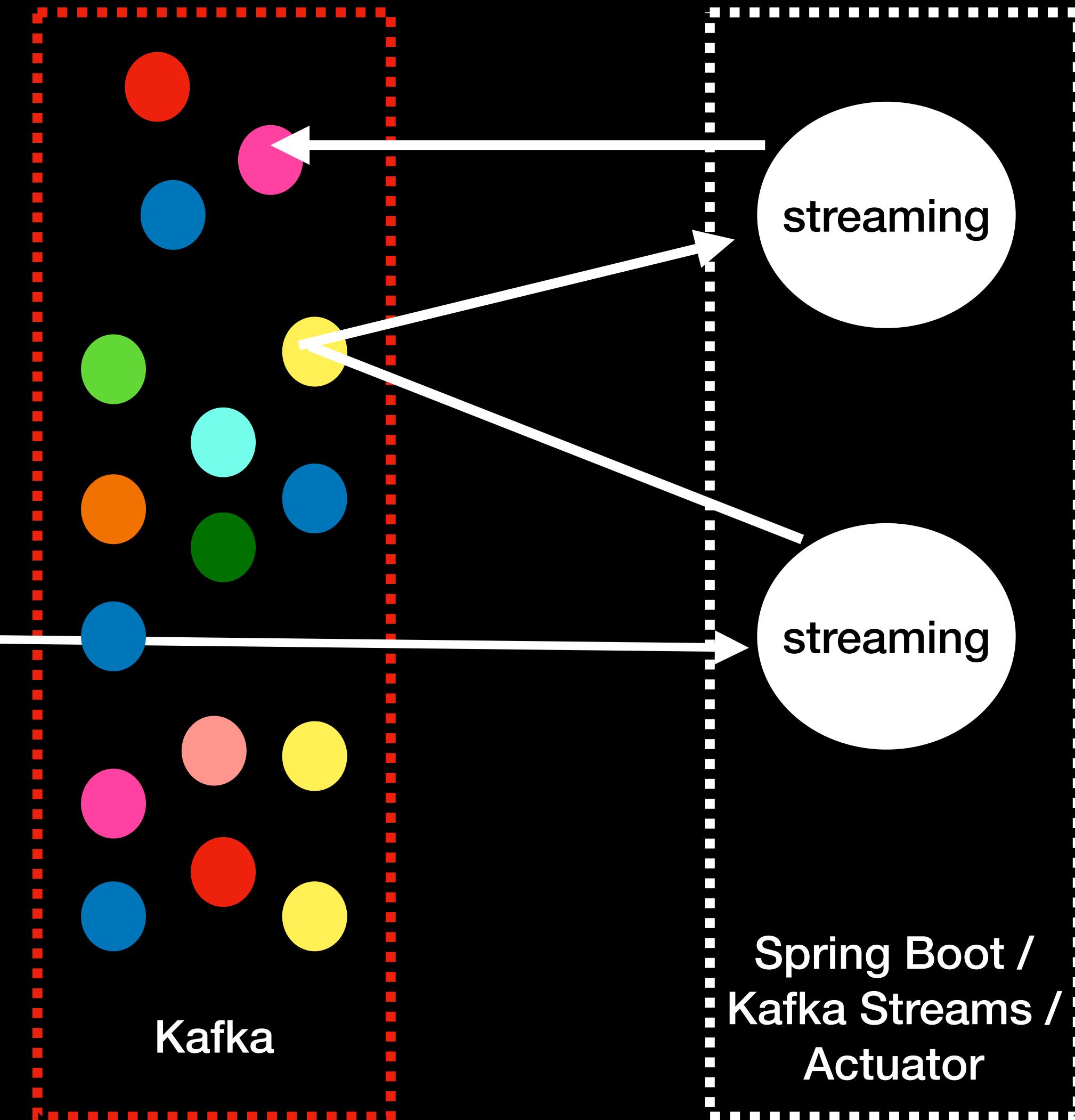
SIMPLE



rest



BIG DATA



LET'S EAT SOME CODE



You learned

How to use:

- Consumer
-> @KafkaListener
- Producer
-> Kafkatemplate
- Streams
-> Streamsbuilder

[HTTPS://YOUTU.BE/UNSZKYPAMZC?T=688](https://youtu.be/unszkypamzc?t=688)



Ko Turk



MONITORING

I wish you a pleasant day
at



Slides + code: <https://github.com/KoTurk/Kafka/tree/main/JNation>
Follow me at Twitter: @KoTurk77