

WARNING

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

You will learn how to create a payment application with
Apache Kafka (Streams) and Actuator

Watch out for some scary images.



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.....

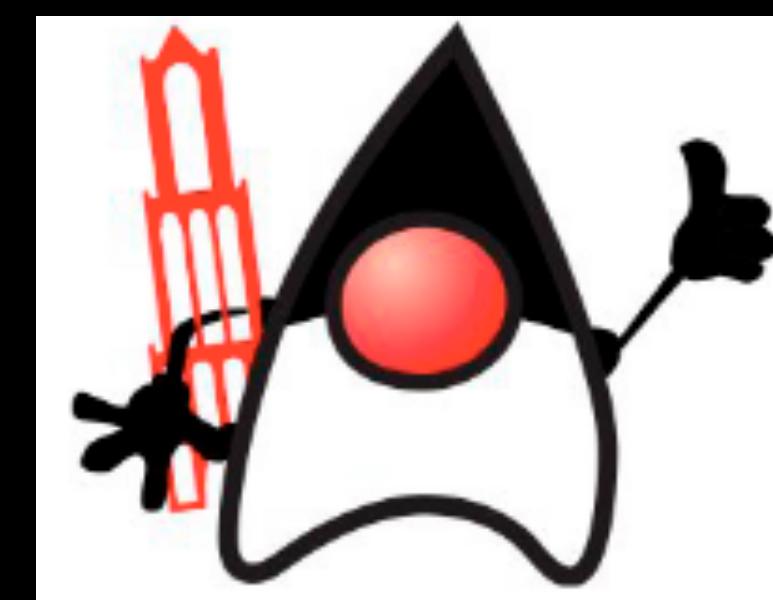
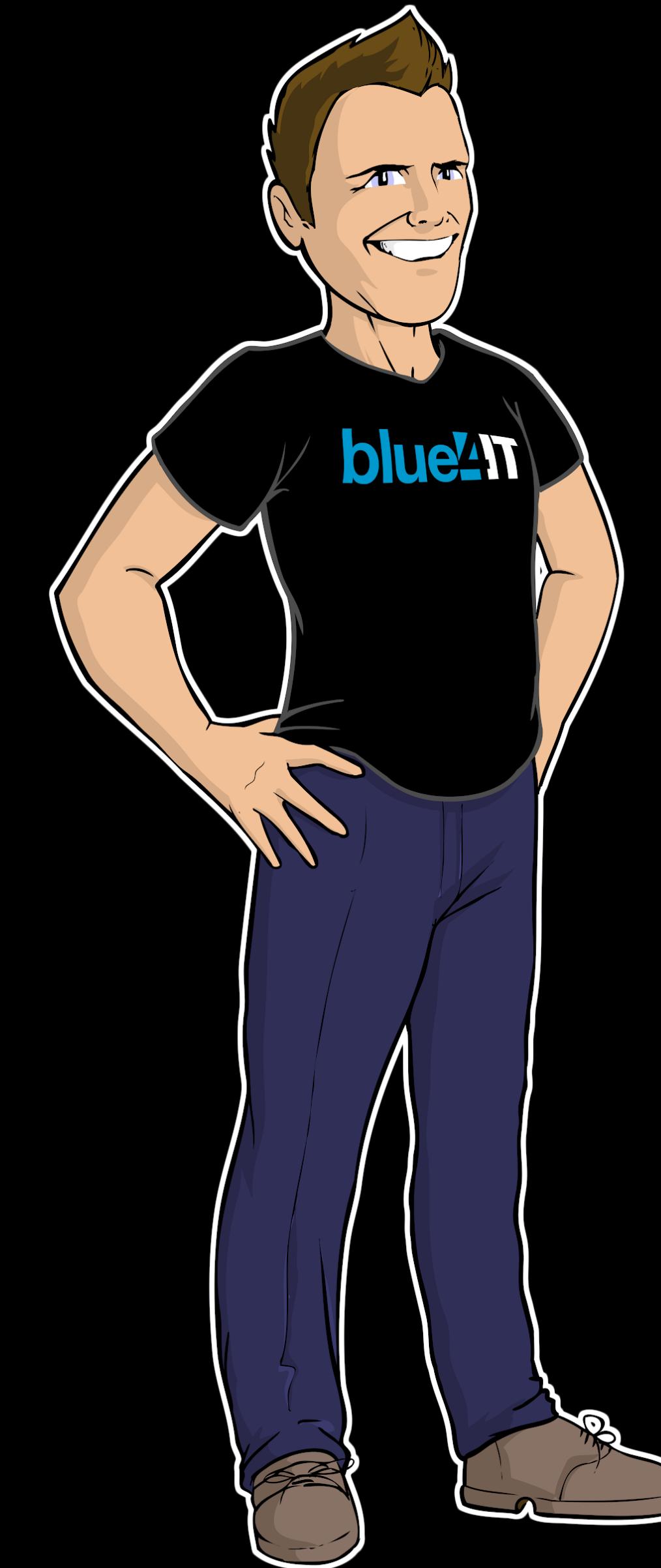


Let's
With Apache Kafka!
async

EVENT STREAMING APPLICATIONS

With Kafka Streams, Spring Kafka and Actuator

MARRIED



@KOTURK77

Key takeaways:

How to easily setup:

- a cluster
- a consumer and producer
- a streams application (with proper monitoring)

With Apache Kafka!

but first, why??



STYLES



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

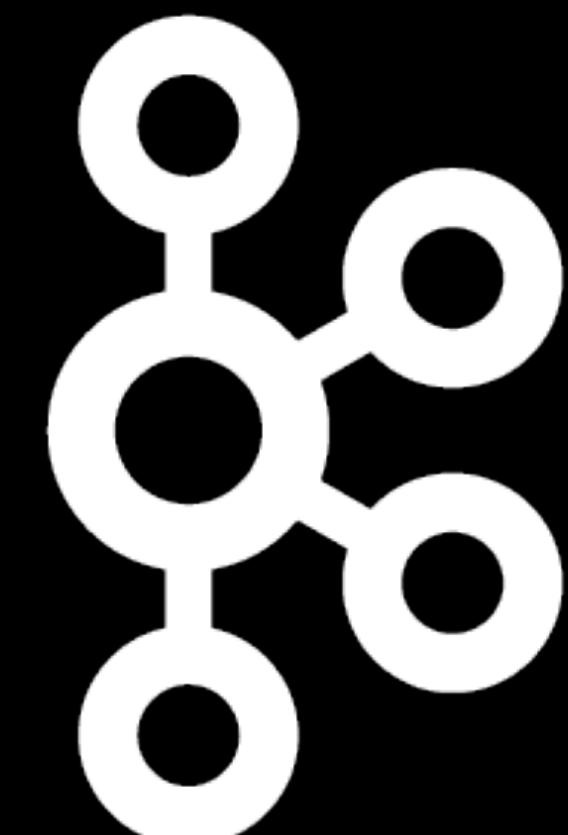


FAULT TOLERANT



REPLAYABILITY

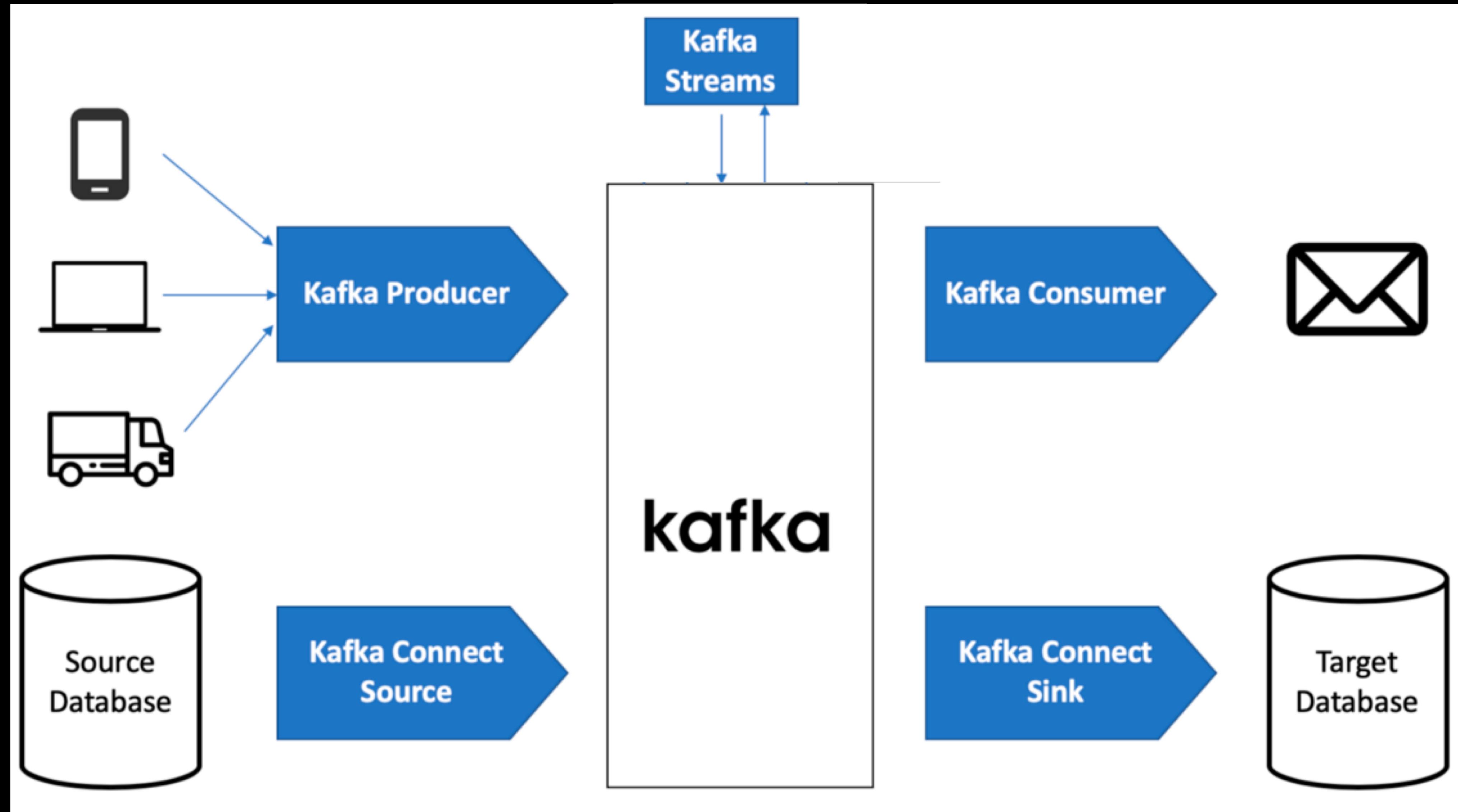
For that we have



kafka

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. They are all wearing white face paint with black eyebrows and noses, and red lips.

THREE FLAVOURS



Key takeaways:

How to easily setup:

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- a consumer and producer
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A close-up photograph of a woman's face in profile, looking upwards towards a large, lush green plant. The plant has long, serrated leaves and a prominent, textured flower or seed head. The lighting is dramatic, with strong highlights on her skin and the plant's leaves against a dark background.

WHAT DO YOU NEED

<https://kafka.apache.org/quickstart>

PLAFORM VENDORS

LET'S EAT SOME CODE



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



Ko Turk



MONITORING

Key takeaways:

How to easily setup:

- a cluster → local or cloud (Confluent / Axual)
- a consumer and producer → kafka template / kafka listener
- a streams application → kafka-streams

THANK YOU
FOR YOUR TIME

Github: <https://github.com/KoTurk/>
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