


SAP Hybris 

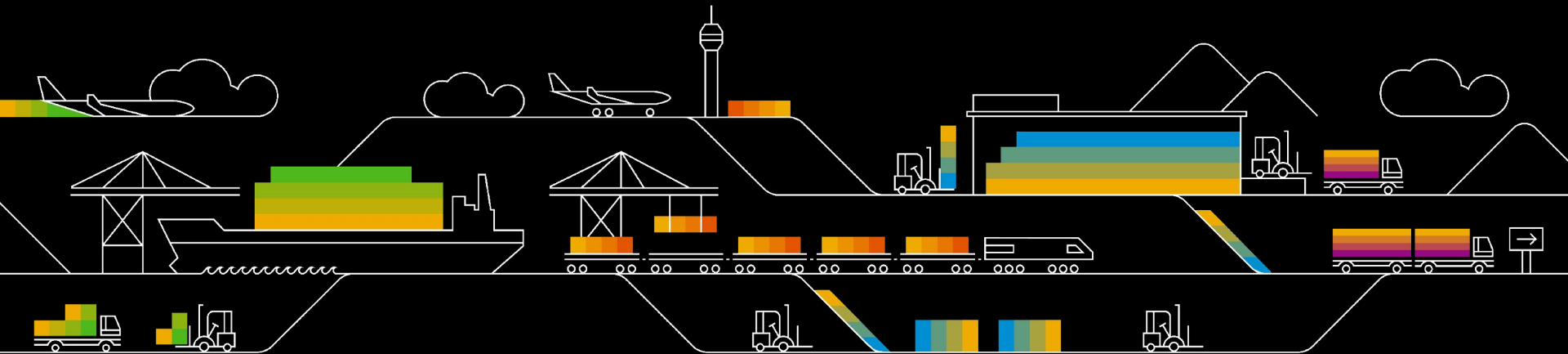
Reactive Programming

Efficient Server Applications

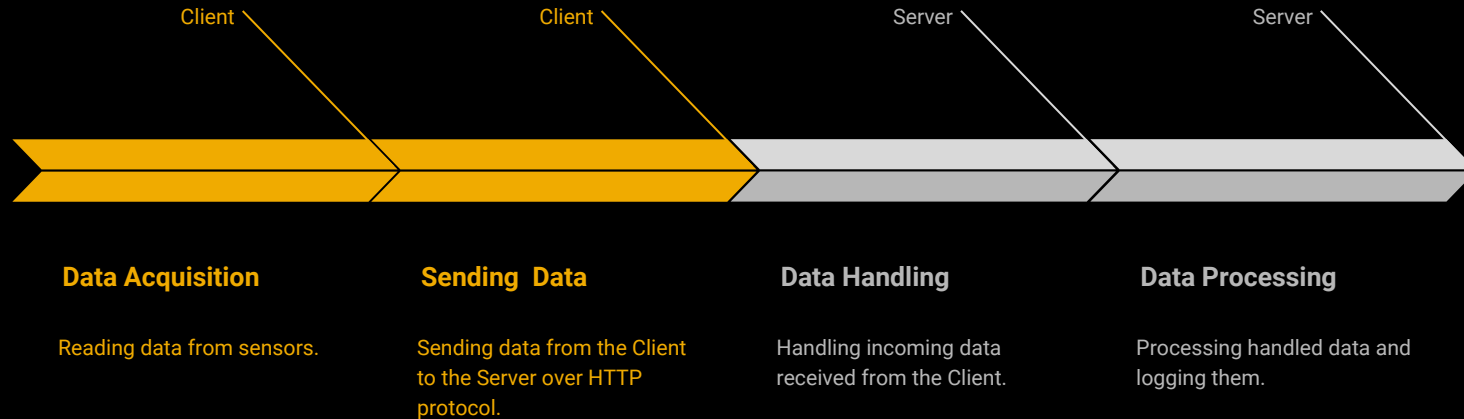
Piotr Wittchen, Arkadiusz Galwas, SAP Hybris

INTERNAL

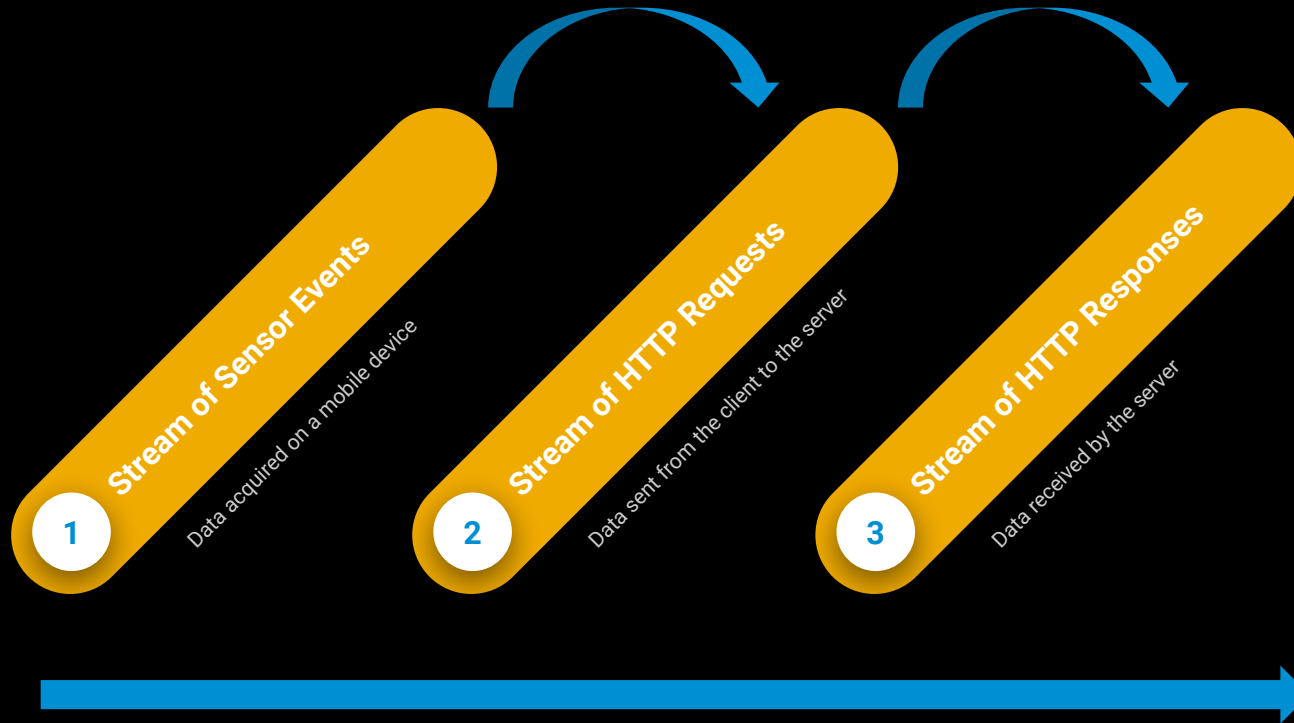
Let's **plan** an application



Basic application flow



Flow of the data streams inside the application



Continuous stream of the data without breaking a chain

Technologies we are going to use

- **Server**

- Gradle
- Java 9
- RxJava 2
- Vert.x
 - Core
 - Rx
- Logback

- **Client**

- Gradle
- Android
- Java 7
- Retrolambda
- RxJava 2
- OkHttp 3
- ReactiveSensors

Side note

This is just a **simple demo** with **the only one endpoint**.
For **more endpoints** it's better to use
Vertx-web on the **server** and **Retrofit** on the **client**.

Let's **make an application!**



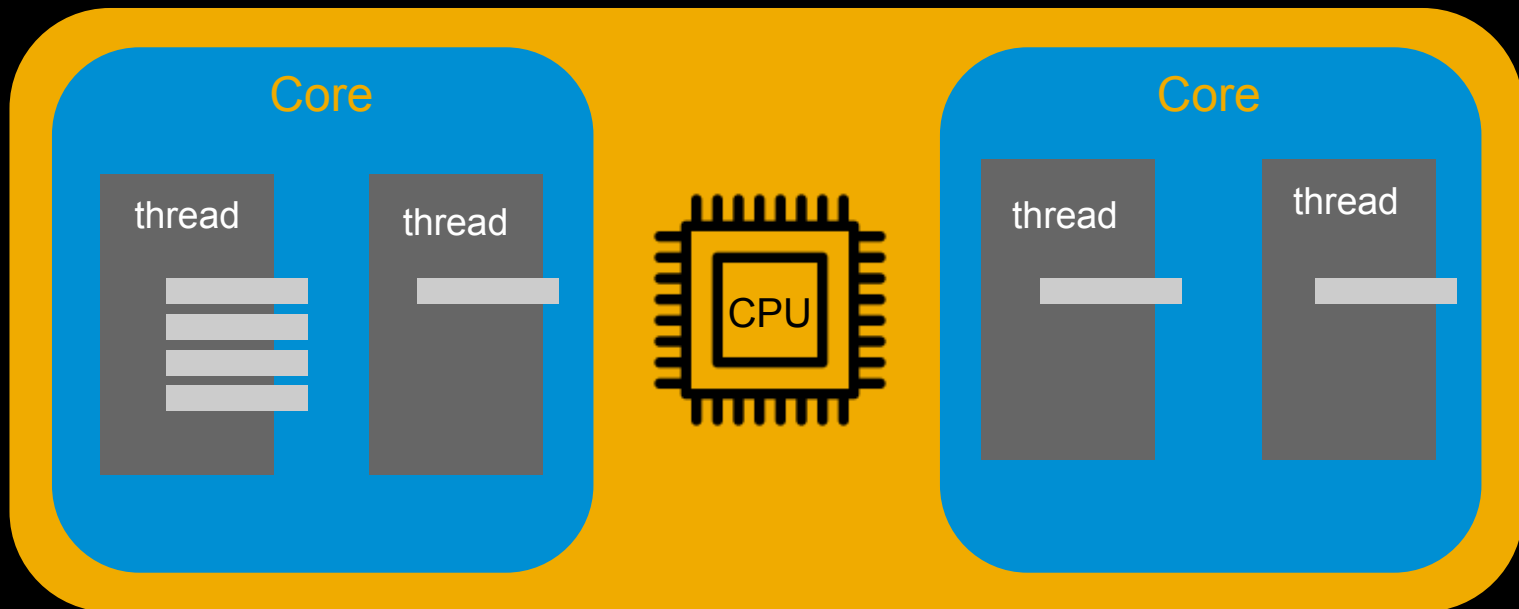


Source code of this project can be found at:
<https://github.com/pwittchen/reactive-client-server/>

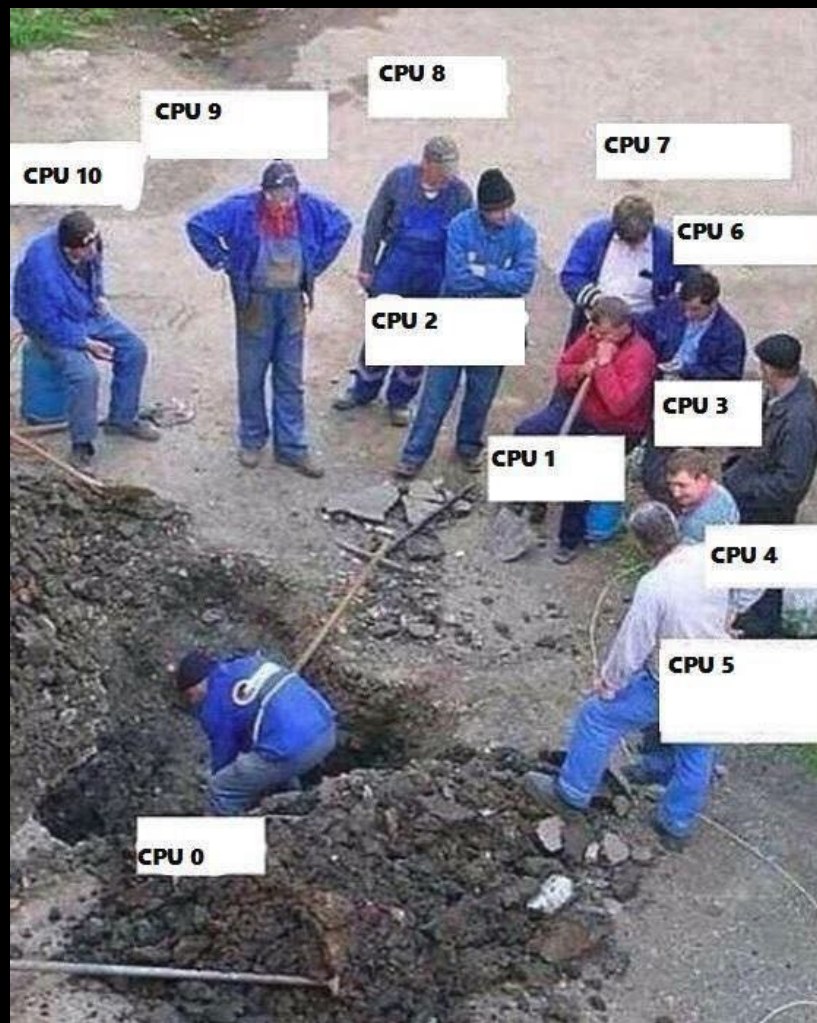
Optimizing **CPU usage** with RxJava



Optimizing CPU usage



If we are not using all available cores efficiently, we're wasting resources and applications are getting slow.



Source code of this project can be found at:
<https://github.com/pwittchen/java-flow-experiments>

Thank you

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Software Developers

SAP Hybris

