Summary

GRAU DATA — YOUR DATA. YOUR CONTROL.

AUDIT CHAIN

Blockchain Piratez

FAU
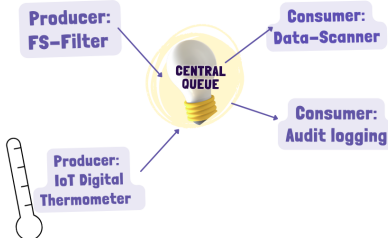
What is an audit chain?

- Basic idea: transmit events of any kind securely via the network
- Producer: a central event queue creates and records these events.
- Event queue: The event then goes to rabbitMQ
- Consumer: the events can now be used by third parties

-> Events are recorded serially, and the central event queue is transmitted via the network queue.

Producer: FS-Filter

Producer: IoT Digital Thermometer

CENTRAL QUEUE

Consumer: Data-Scanner

Consumer: Audit logging

SO WHAT DO WE DO WITH IT?

- THE BLOCKCHAIN DATA STRUCTURE GUARANTEES THE UNCHANGED, COMPLIANT, IN SEQUENCE, FAULT-TOLERANT & BUFFERED DATA FLOW BETWEEN ANY KIND OF PRODUCERS AND CONSUMERS.

- DATA STORING AND DATA PROCESSING.

HOW DID WE DO IT?

- Java, as the main programming language, and JUnitTests to test the code ☑
- Python for our GUI ☑
- Docker, a containerization platform that enables us to package our application into containers ☑
- Maven, to make the build process easy ☑

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