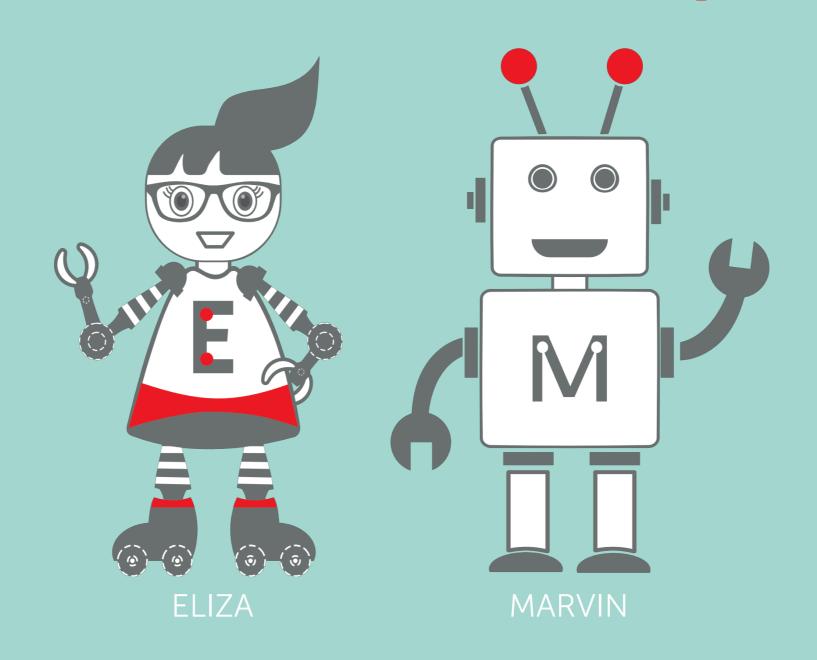
Reuro: Dil Secure Interaction for Things



presented by: STEPHAN SCHWICHTENBERG @ FOSDEM 2019

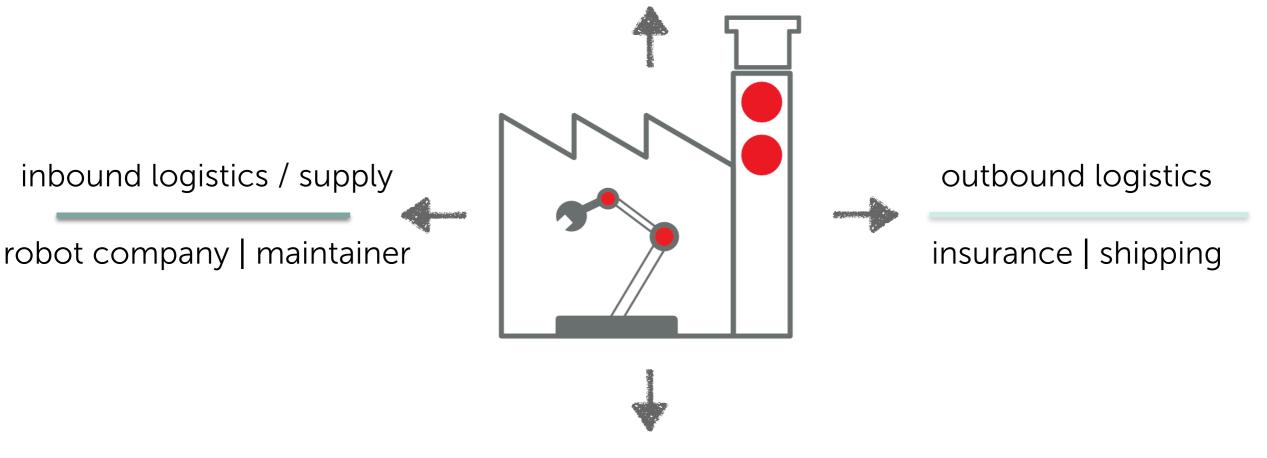
FIRST DE-CENTRALIZED IOT MESSAGING FRAMEWORK

- IoT / M2M messaging library (C99)
- small, scalable, secure
- decentralized
- security and privacy first and by design

INTERACTION / FACTORY SETTING

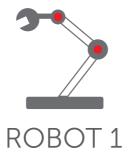
service delivery / operations

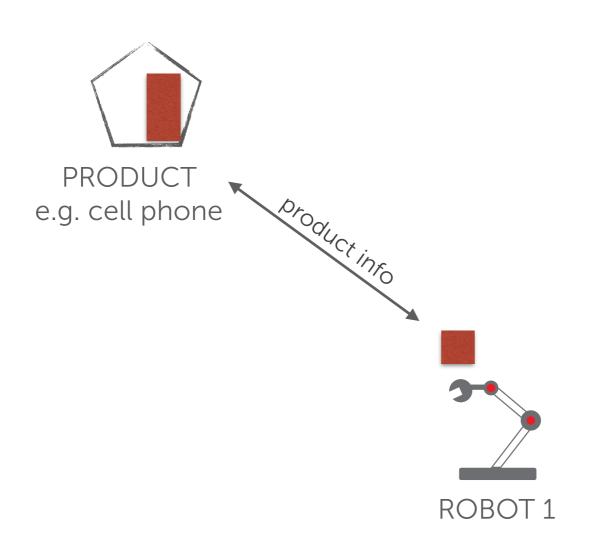
process information | analytics

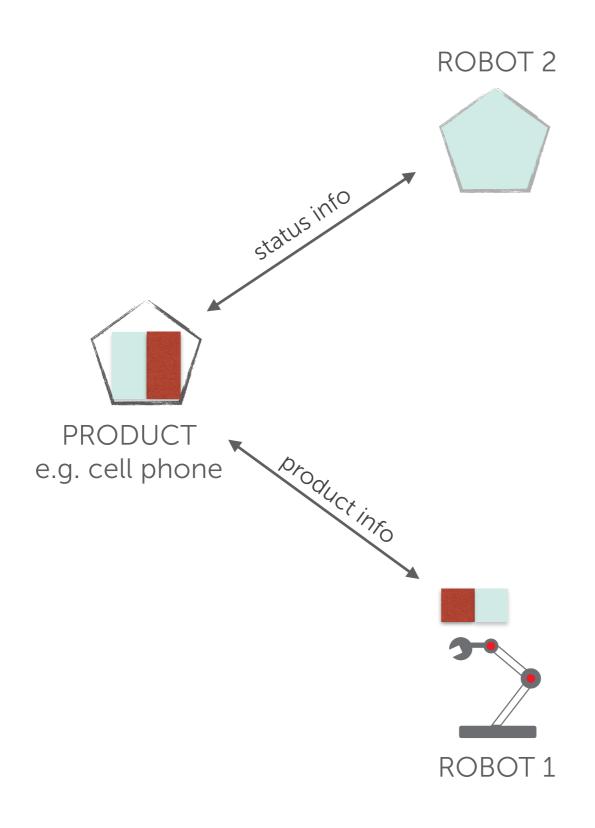


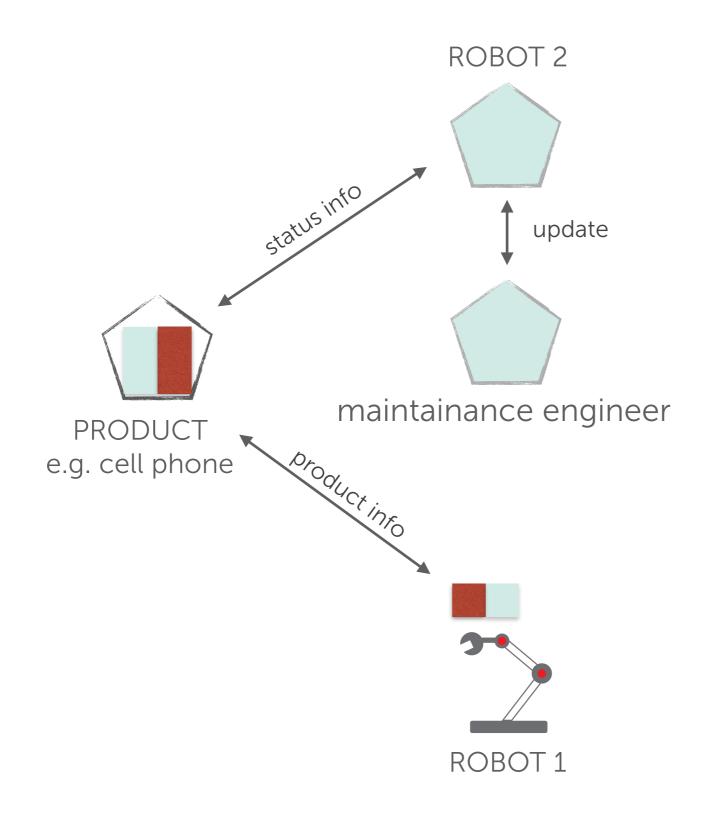
product assembly line

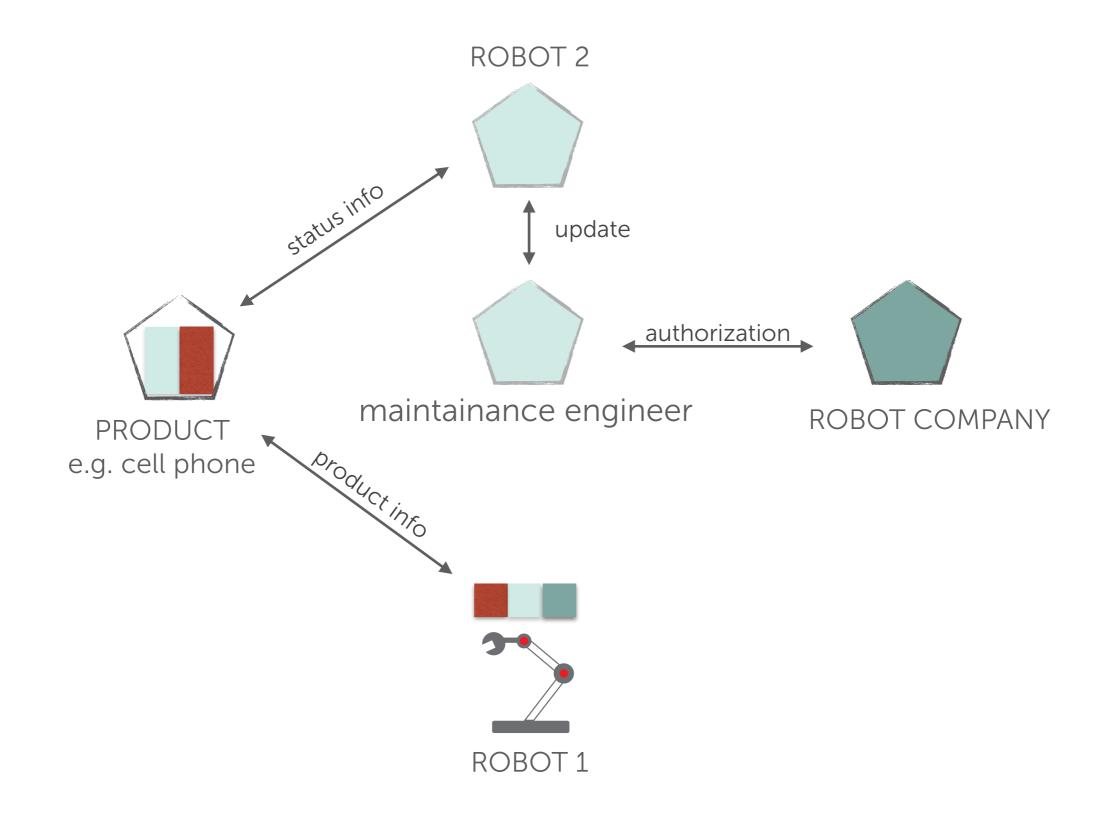
raw materials orders | customization details

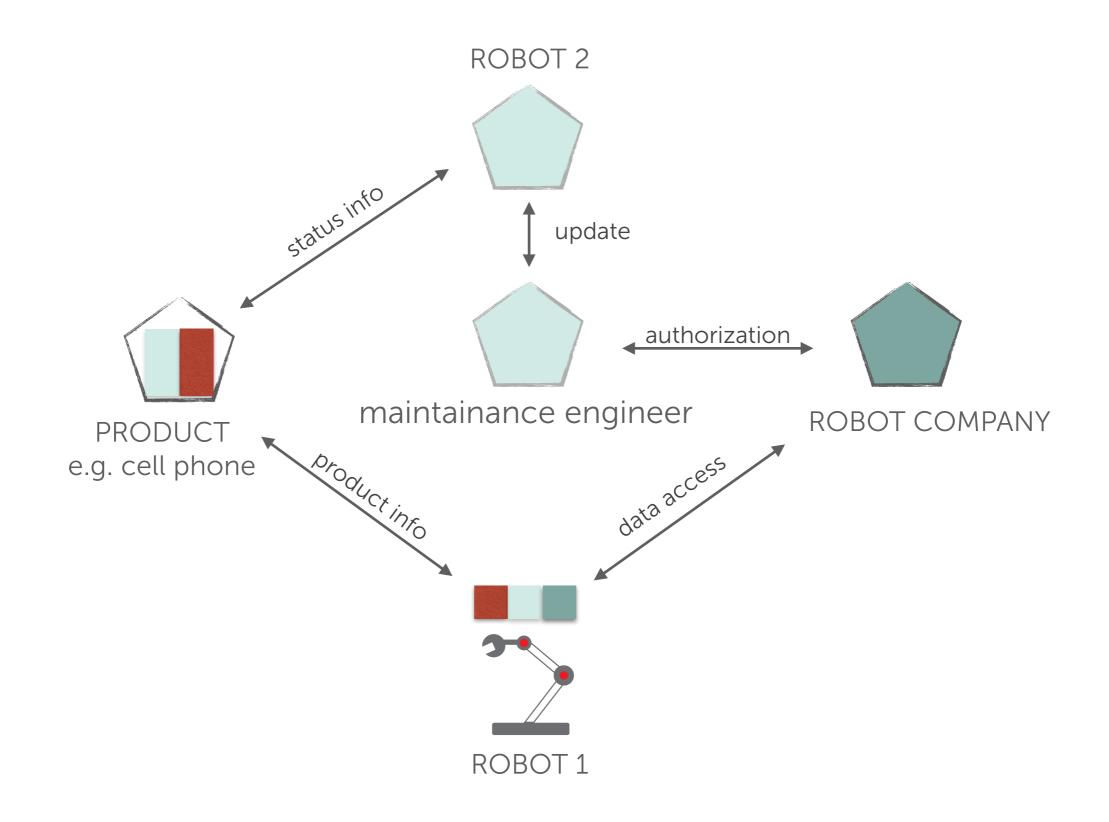


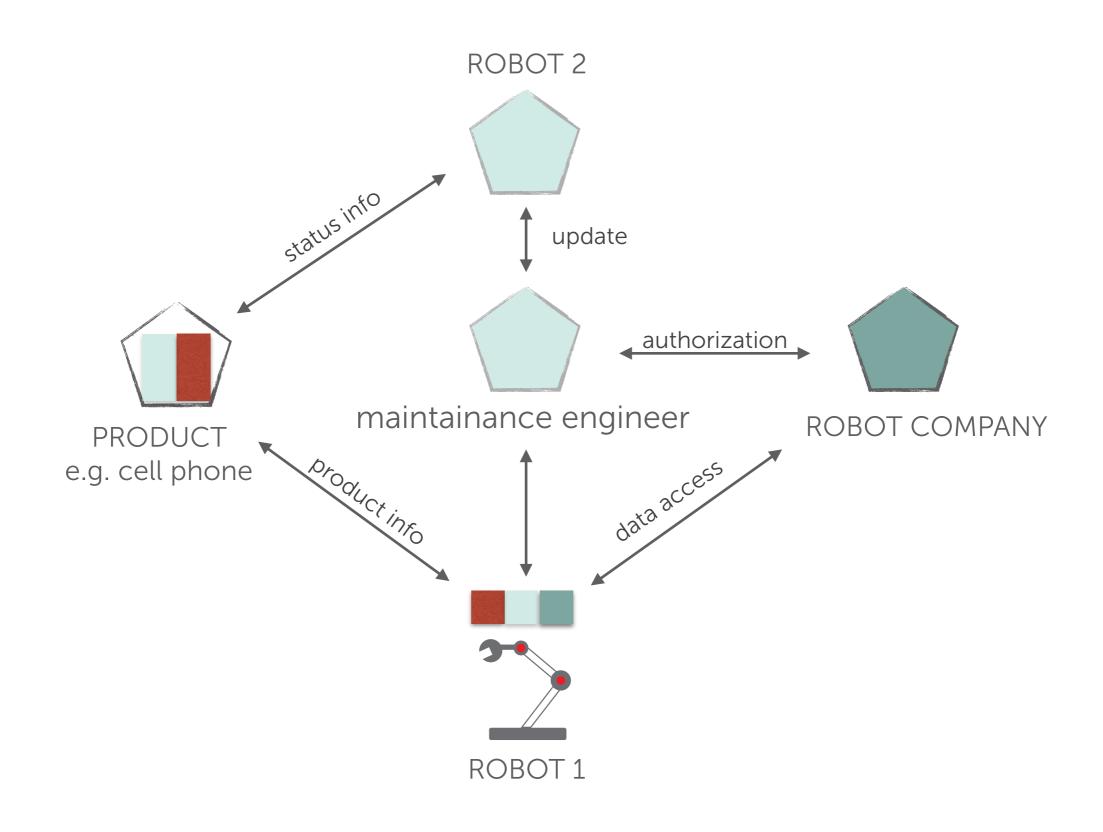


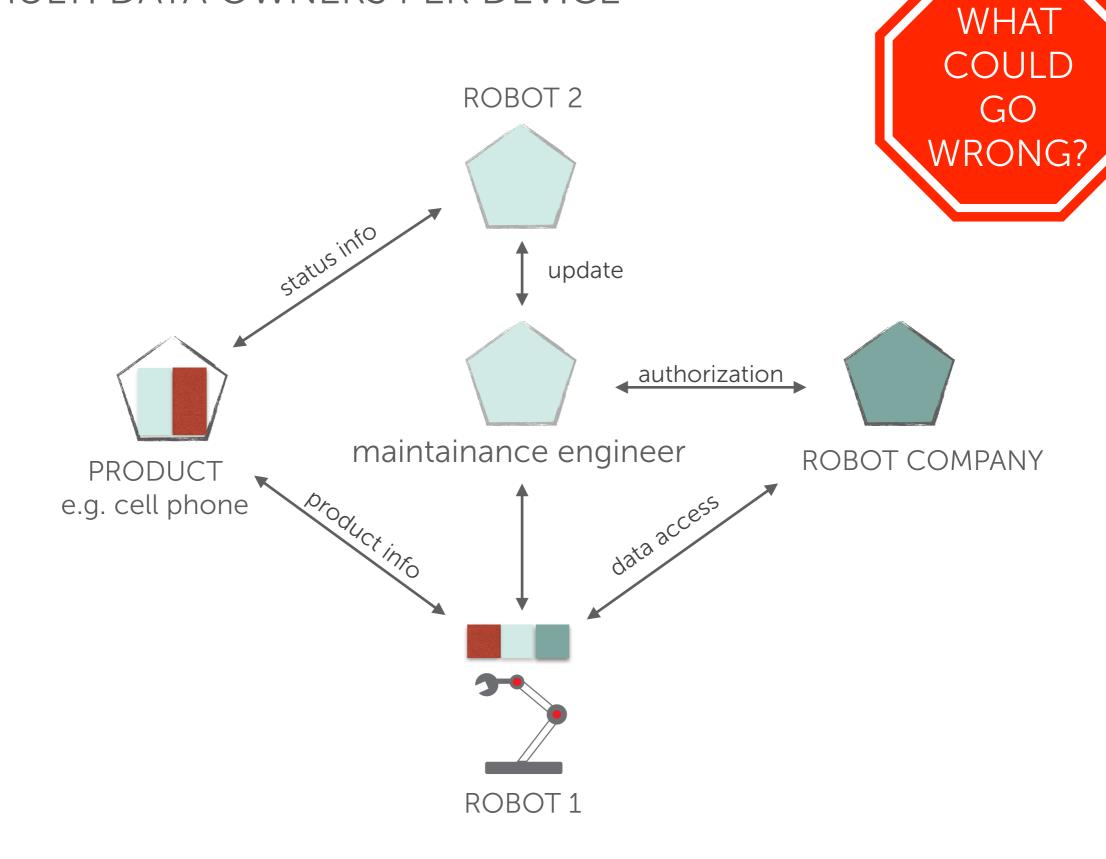










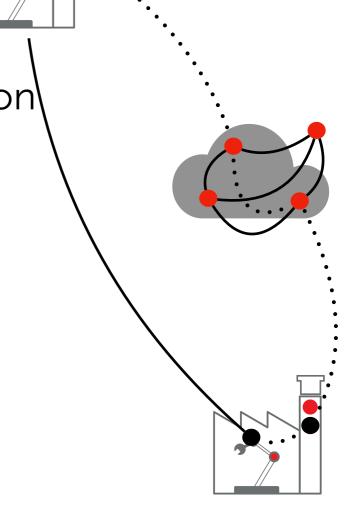


MULTI DATA OWNERS PER DEVICE WHAT COULD ROBOT 2 GO WRONG? replay messages, e.g. take status into statusinfo operation interruption change data e.g. product into lost e SOMPANY e.g. build wrong product data access e.g. cell phone e.g. wrong authorization granted

ROBOT 1

FIRST DE-CENTRALIZED IOT MESSAGING FRAMEWORK

- digital identities
- attribute based distributed security and filtering
- decentralized machine interactions, human governance
- obfuscation of protocol metadata
- group encryption and payload data encryption\
- at-most-once delivery / non-repudiation
- no single point of failure / attack
- multiple routes to target (based on DHT)
- ... and more ...



REACHING THE NEXT LEVEL

Release 0.9, is newly available on GitHub. What we're working on:

- growing open-source community
- cooperations, ie.: use cases, pilots projects
- candid feedback, questions

Let's get together and have a chat now or contact us:

Stephan Schwichtenberg

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