

# Keine Transaktionen – und jetzt?

Eventual Consistency mit MicroProfile LRA

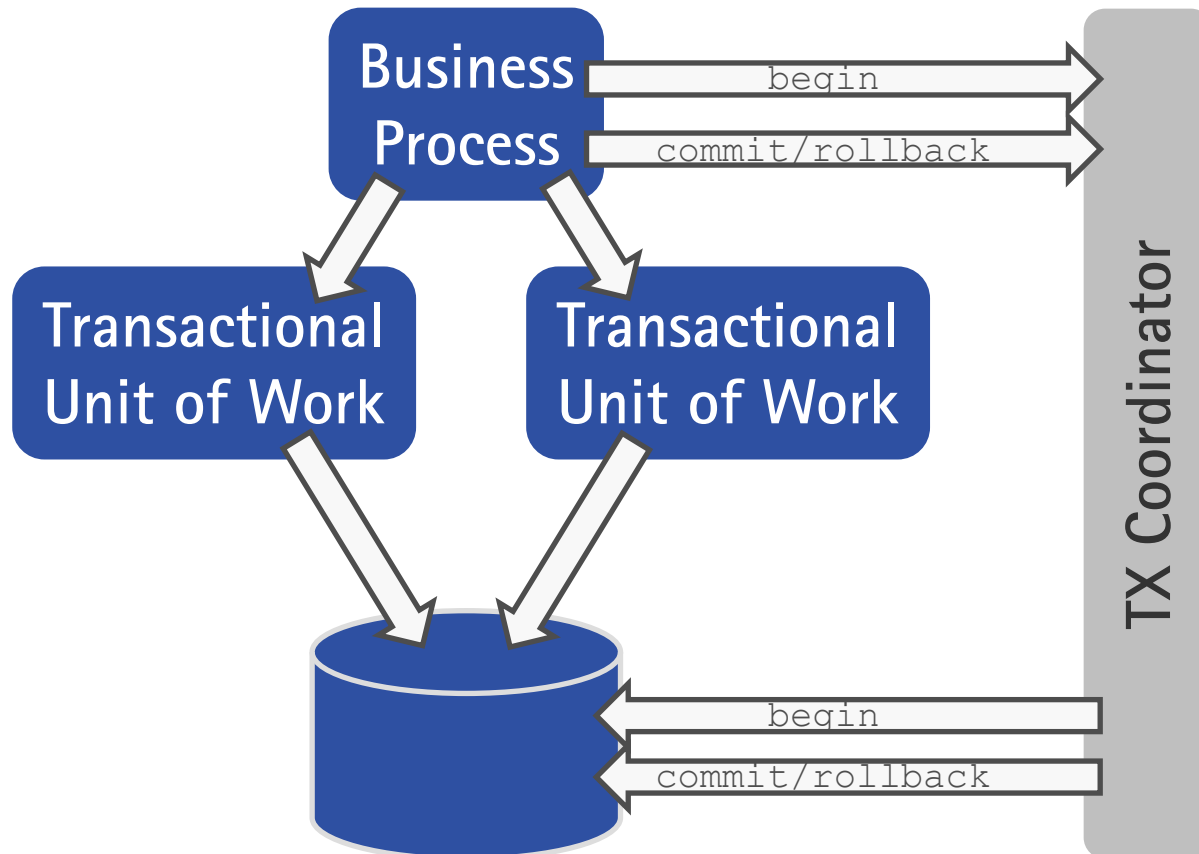
## Dirk Weil

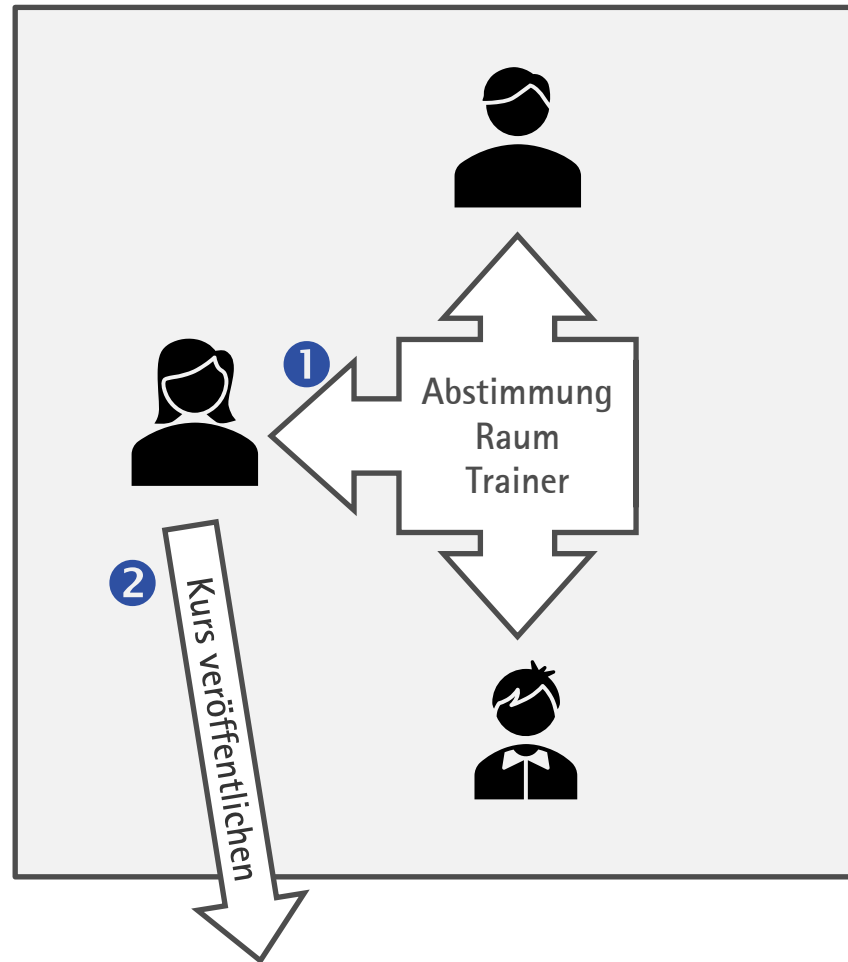
- Studied Informatik at RWTH Aachen
- Living in Bielefeld
- CEO of GEDOPLAN GmbH
- JEE since 1999
- Speaker and author

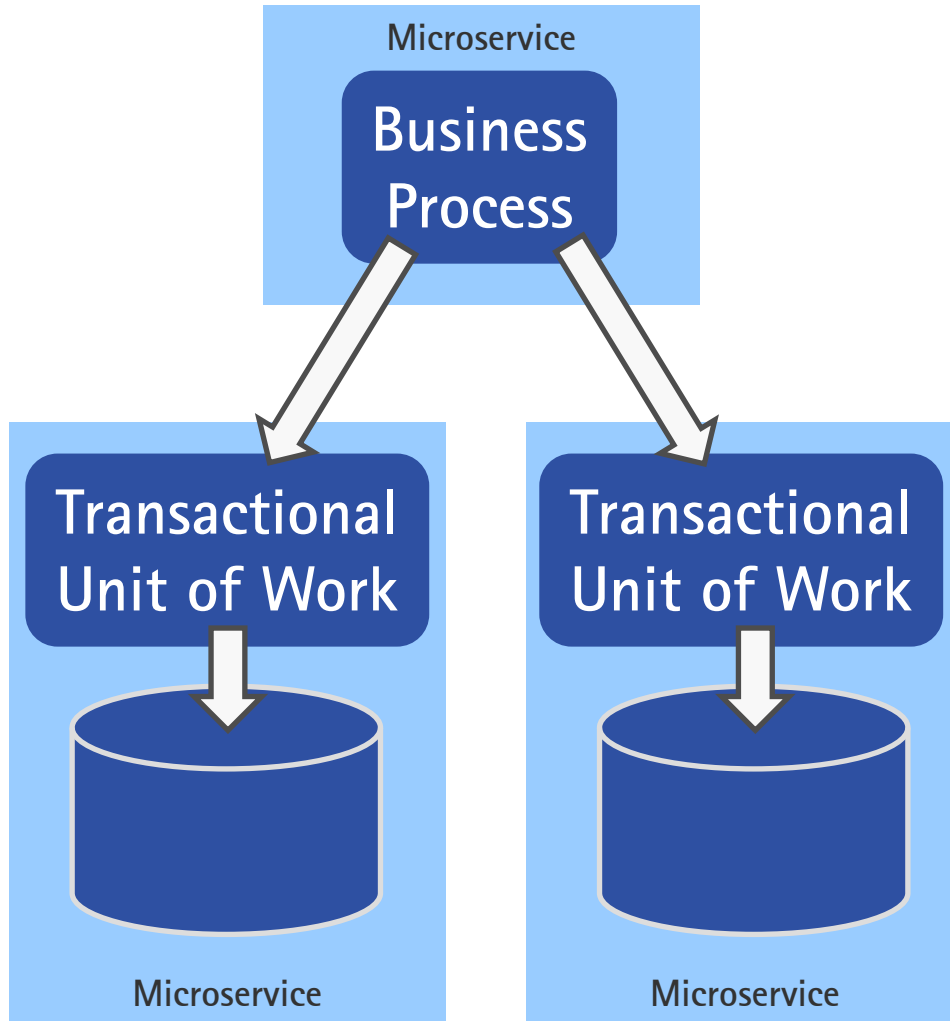


## GEDOPLAN

- Software development, consulting, training since 1979
- Bielefeld and Berlin
- Jakarta EE, Spring Boot, Angular, Kubernetes, ...

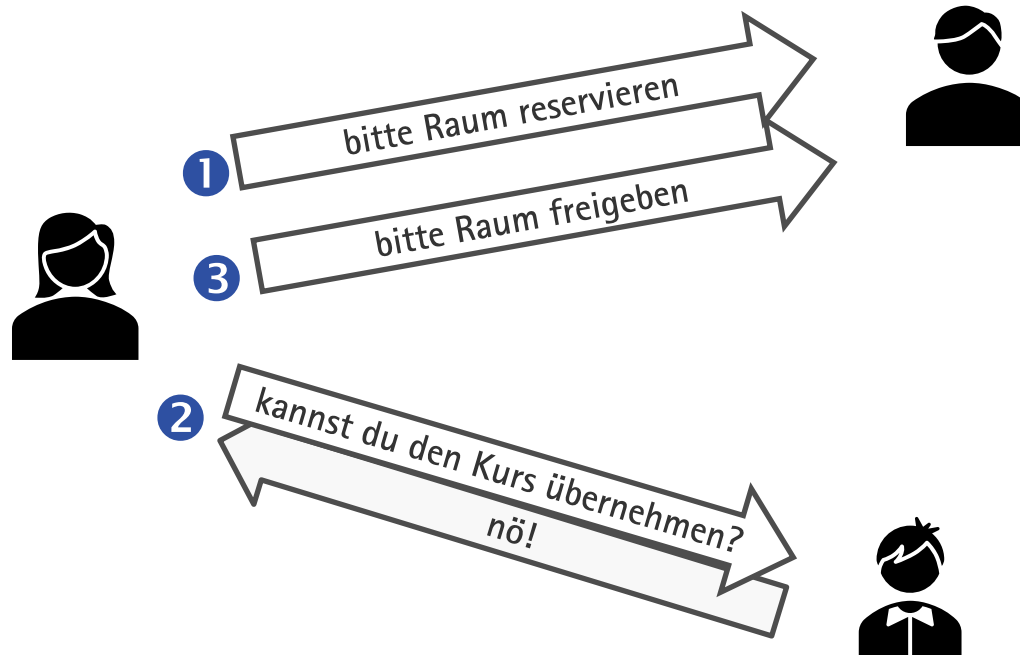




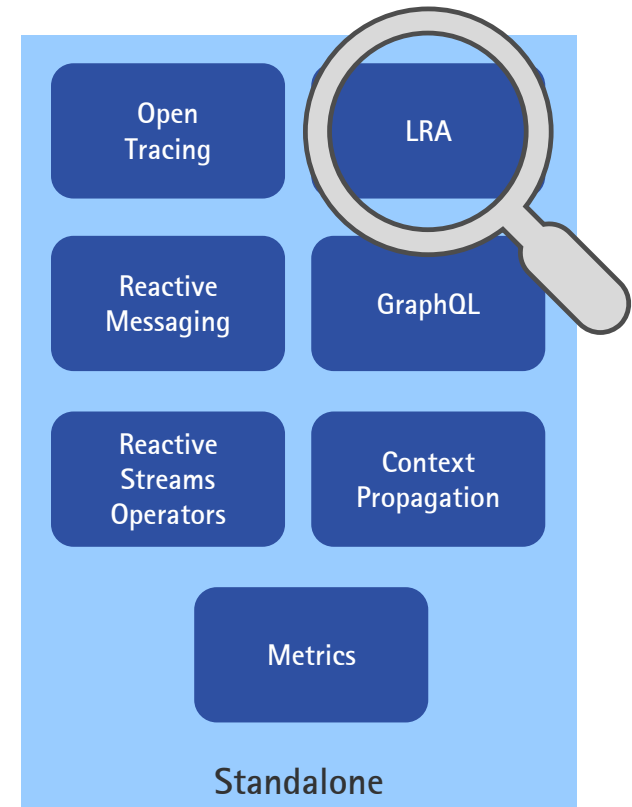
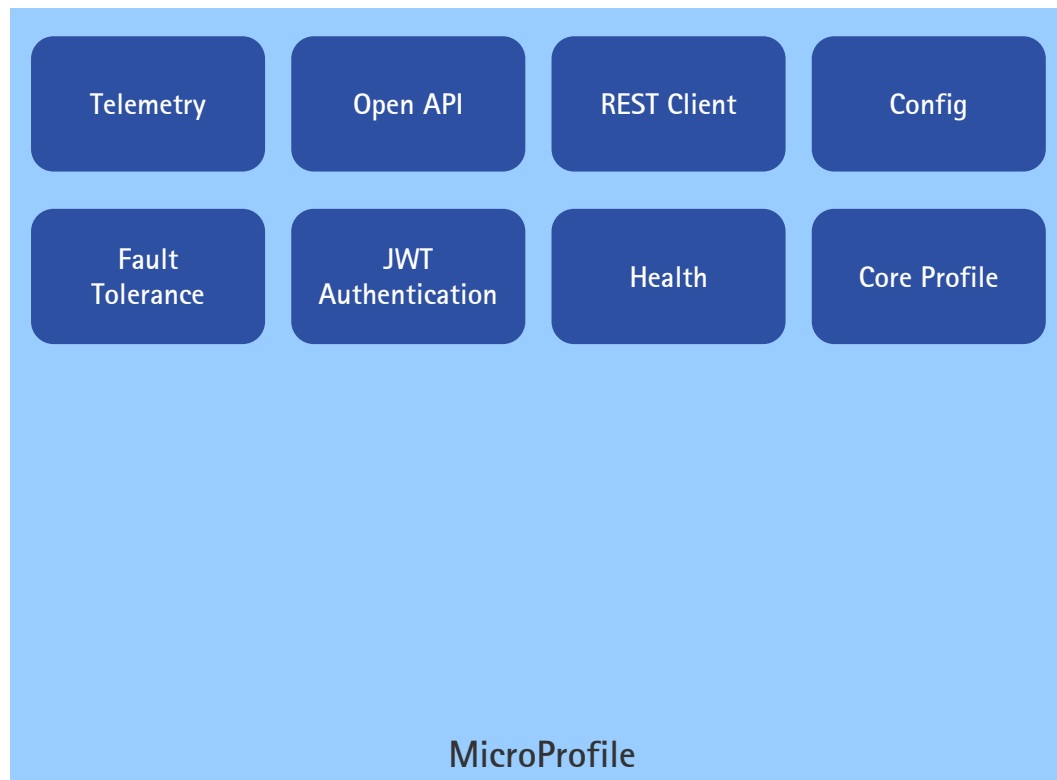


No (remote)  
TX propagation



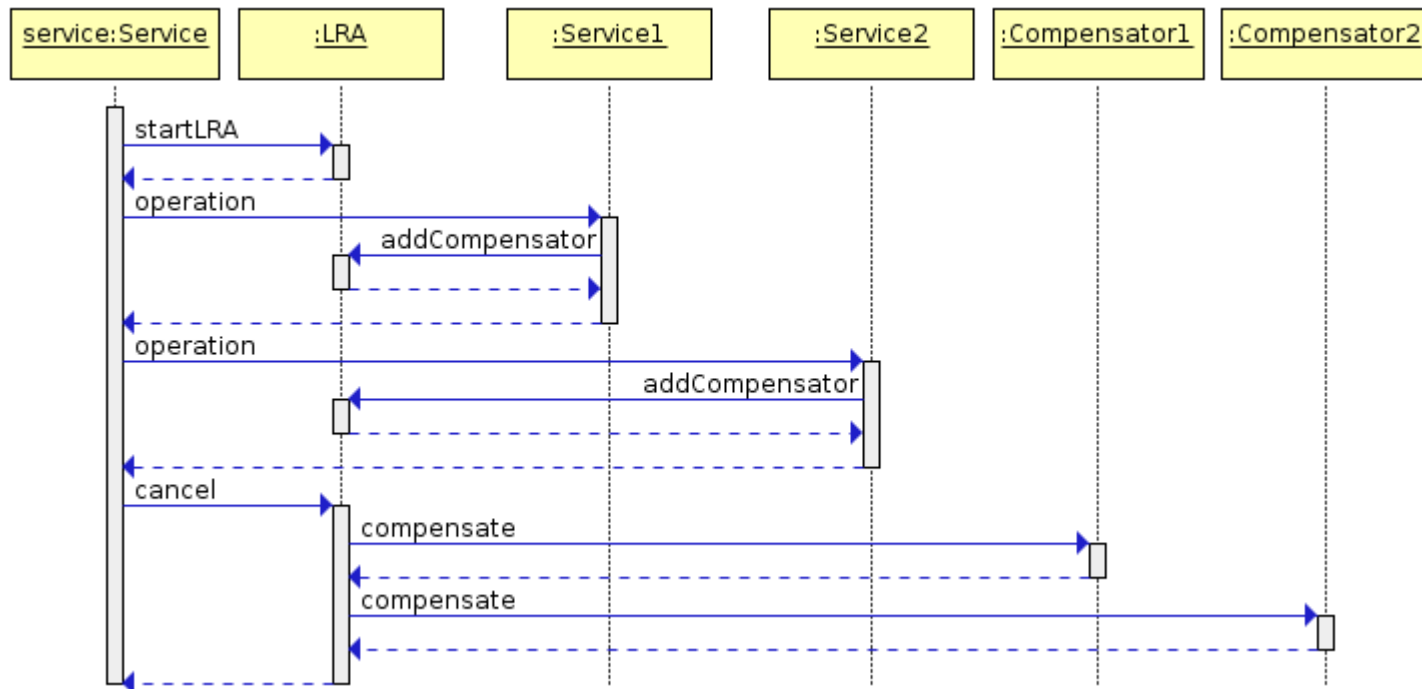


## MP LRA



## MP LRA

- „Long running actions“



<https://download.eclipse.org/microprofile/microprofile-lra-2.0/microprofile-lra-spec-2.0.html>

## MP LRA

- REST
  - Service implementation: REST resource methods
  - Calling sub services: MP REST Client
  - LRA propagation via headers
- Key elements
  - **@LRA**: LRA Life cycle control
  - **@Compensate**, **@Complete**: LRA participants
  - **@AfterLRA**: LRA listener



Demo time

`(github.com/GEDOPLAN/mp-lra-demo.git)`

## Further Reading, Infos etc.

- <https://github.com/GEDOPLAN/mp-lra-demo.git>
  - Demo project
- <https://speakerdeck.com/dirkweil>
  - Slides
- <https://download.eclipse.org/microprofile/microprofile-lra-2.0/>
  - MP LRA project
- [https://de.wikipedia.org/wiki/Saga\\_\(Entwurfsmuster\)](https://de.wikipedia.org/wiki/Saga_(Entwurfsmuster))
  - Saga Pattern

- <https://gedoplan.de/>
  - Blog
  - Training
  - Consulting



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