Domain Driven Design für Dummies

Falk

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trivadis

Falk

Trainer, Consultant, Developer @ location
Mannheim (former OIO)

🐦 @sippsack 📶 http://blog.oio.de

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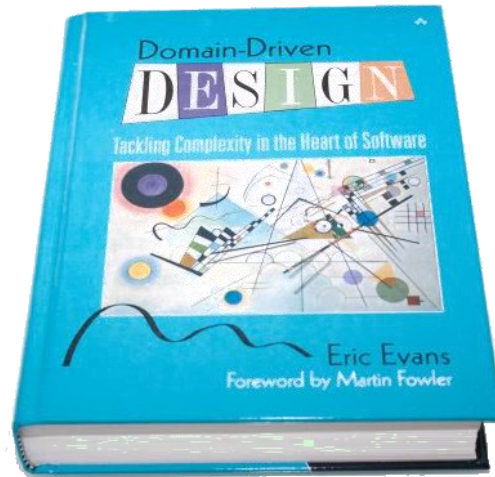# Warum sollen wir uns mit DDD beschäftigen?

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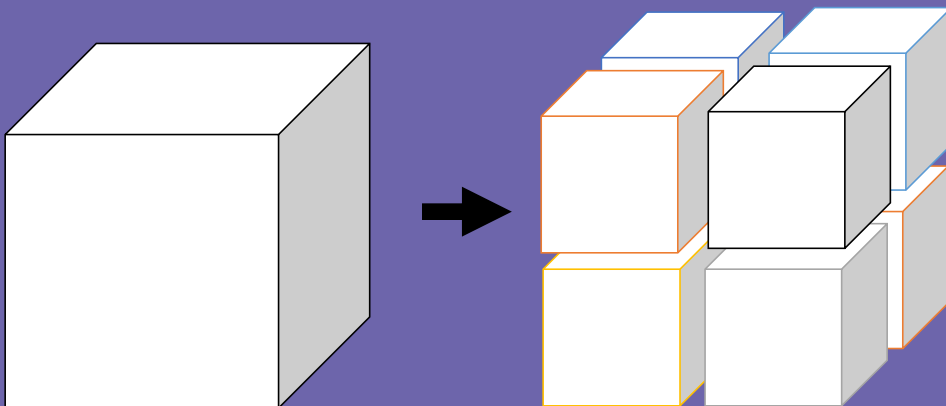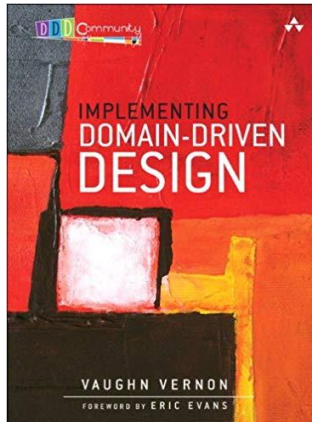# Warum sollen wir uns jetzt mit DDD beschäftigen?

2003

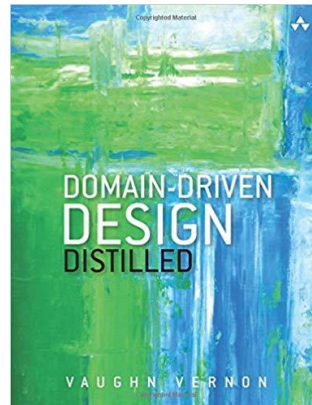## Microservices

2013   2016   2017

Warum denn nun?

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DDD is an approach to building
software with a focus on
the *domain*.

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Build the domain model
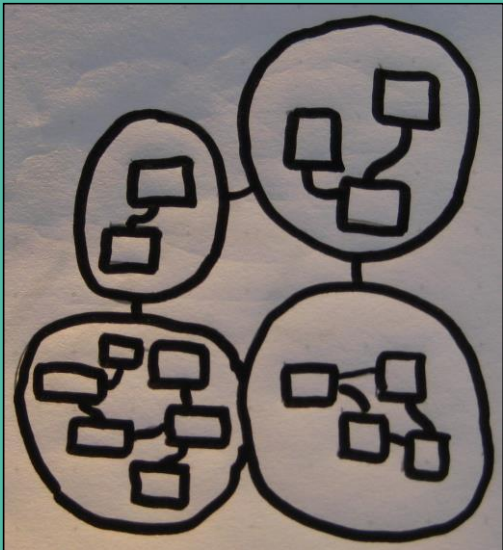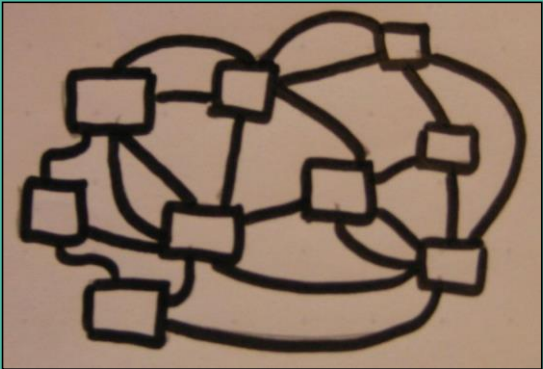in the right way.

Model

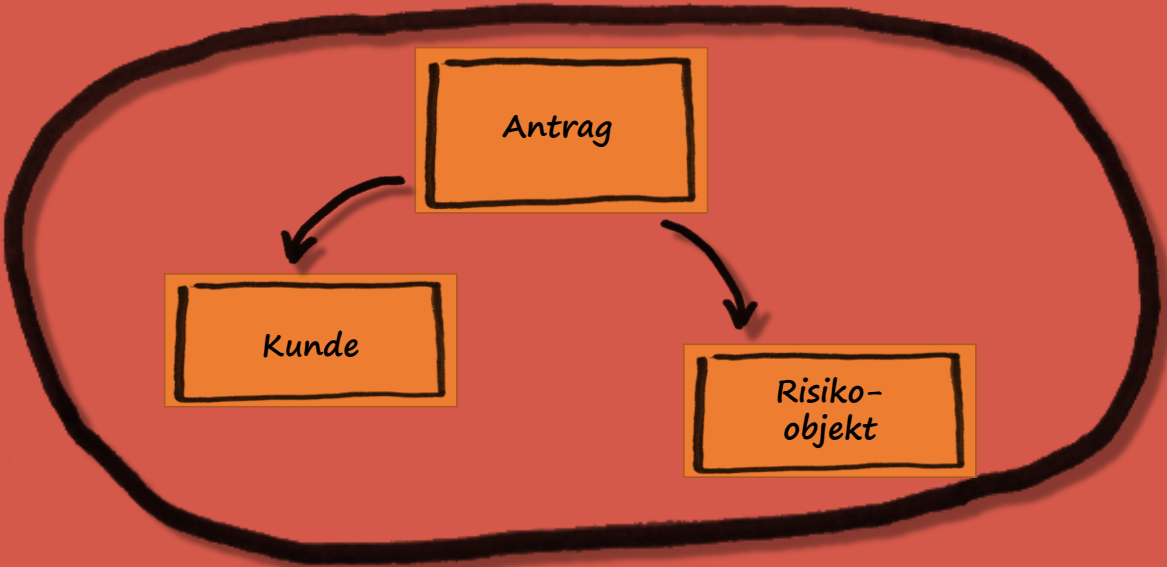**trivadis**

Strategic Design vs. Tactical Design

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Strategic Design

Strategic Design

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Bounded Context: Antragsstellung

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Antrag

Kunde

Risiko-objekt

Bounded Context: Policierung

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Antrag

"Event" Policierung
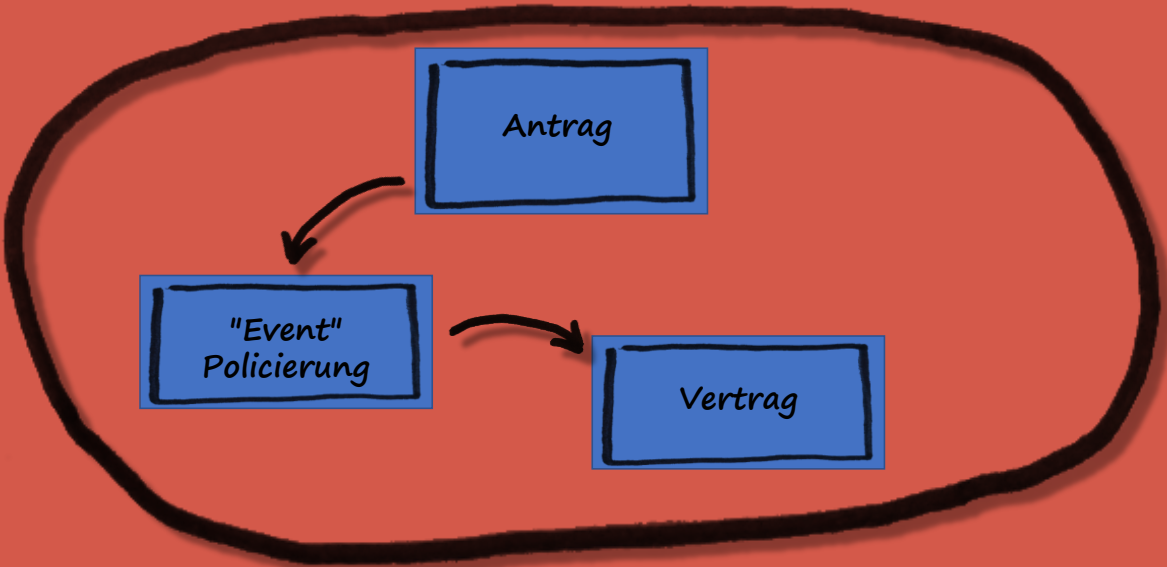
Vertrag

Bounded Context: Schadensmeldung

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Vertrag

Gegnerische Versicherung

Schaden
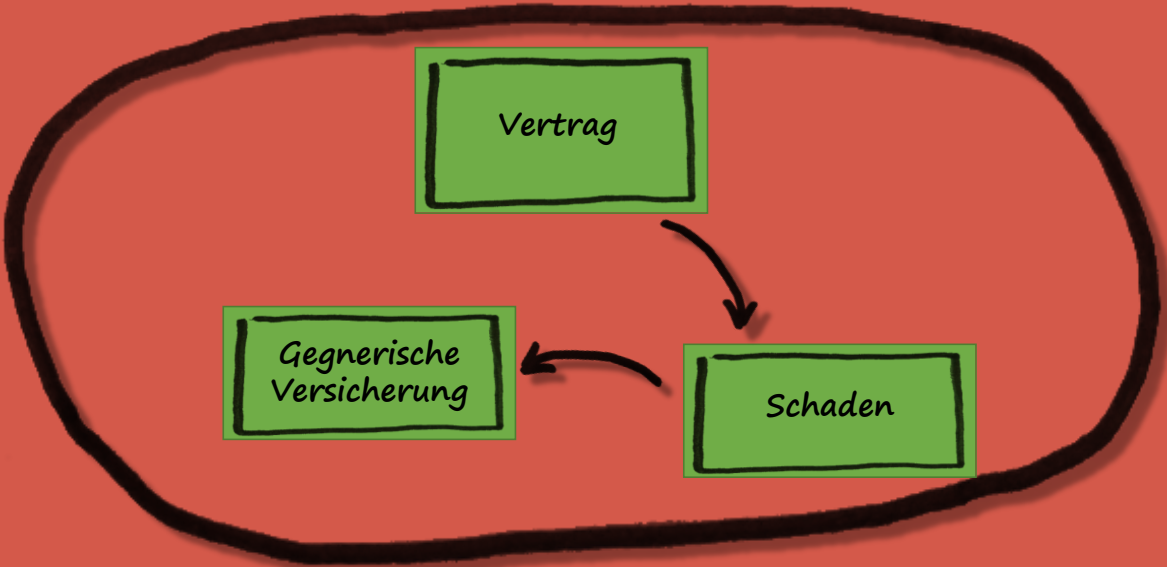
The Team
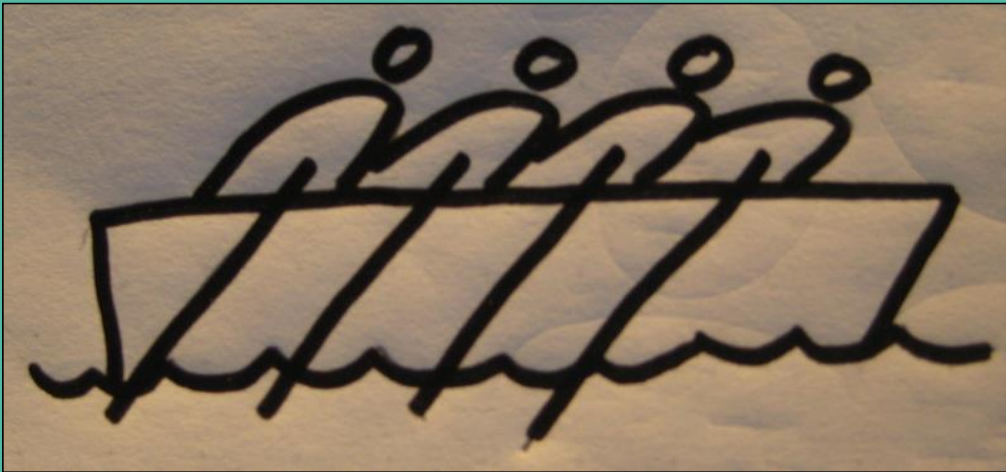
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Ubiquitous Language
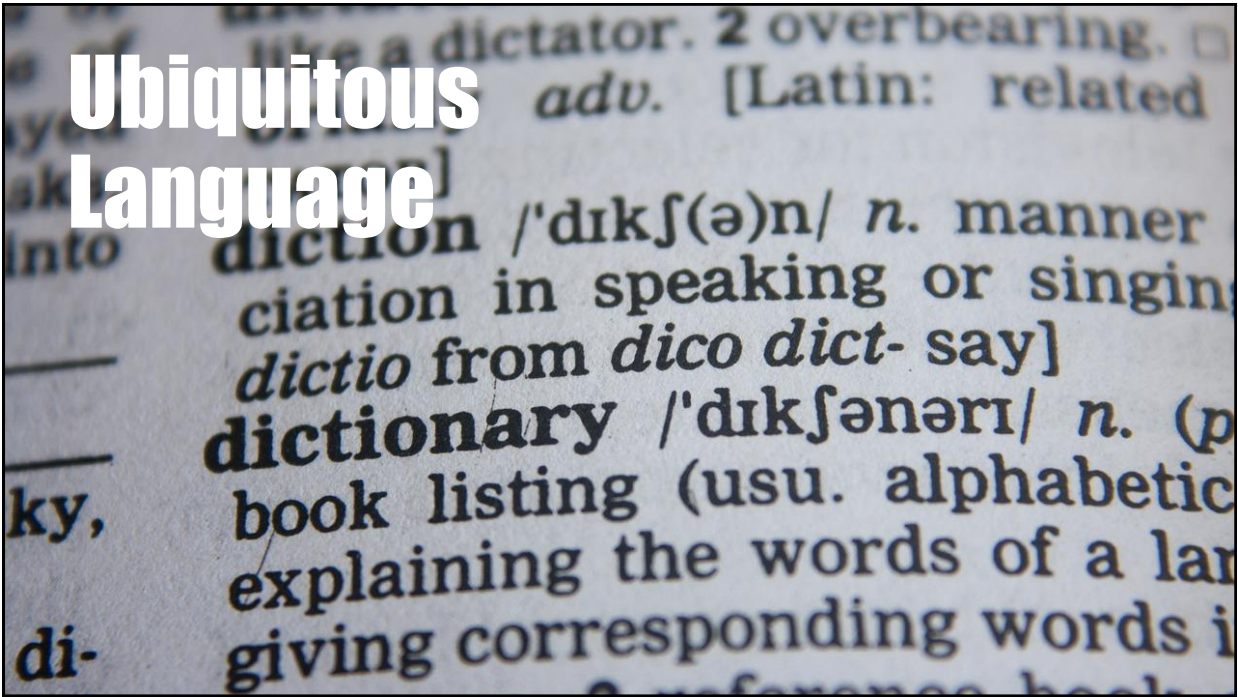
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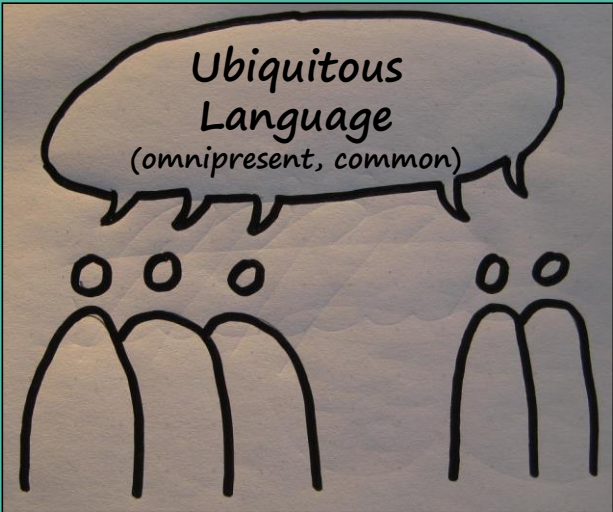
Dev-Team   Domain Experts

Bloomers

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ContractType	⟹	Vertragstyp
ContractKind	⟹	Vertragsart
FileNumber	⟹	Aktenzeichen

A few terms from german tax law

?	⟹	Mutter-Tochter-Richtlinie
?	⟹	Mantelkauf
?	⟹	Kalte Progression

Subdomains

Bibliotheksverwaltung

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Bücher suchen

Bücher ausleihen + zurückgeben

Core Domain

Kundenverwaltung

Benutzeranmeldung

Buch bestellen

Buchbestand verwalten

Generic Subdomain

Supporting Subdomain

Context Mapping
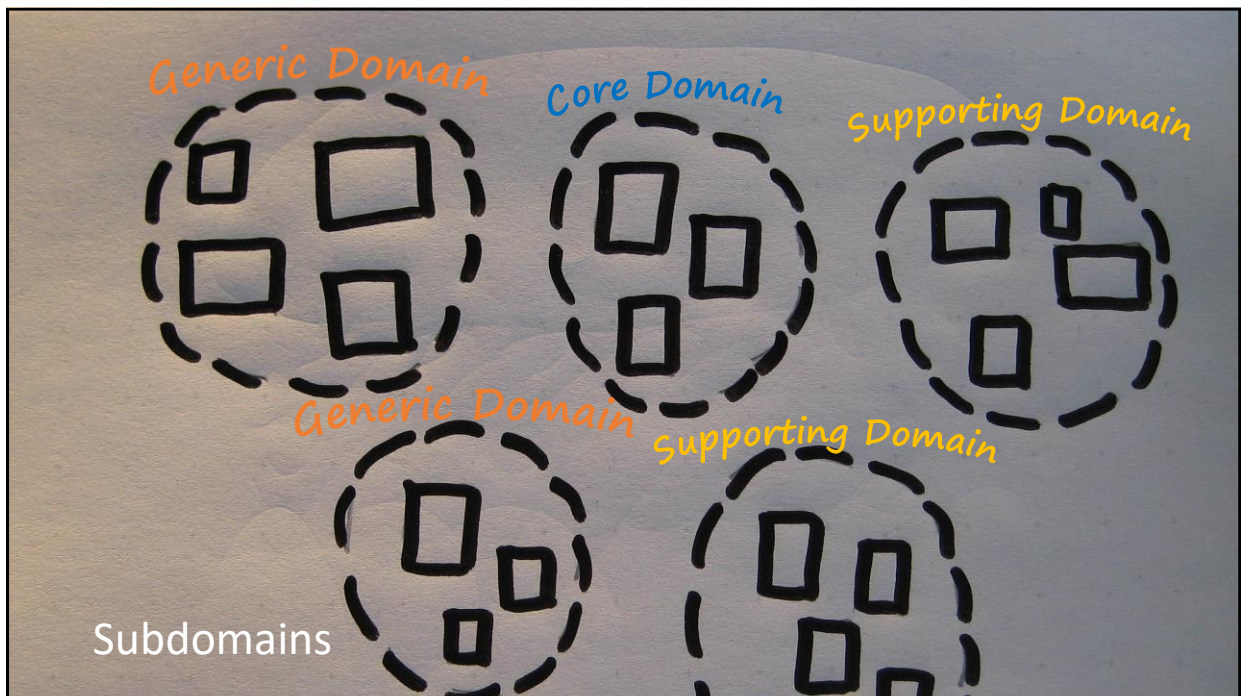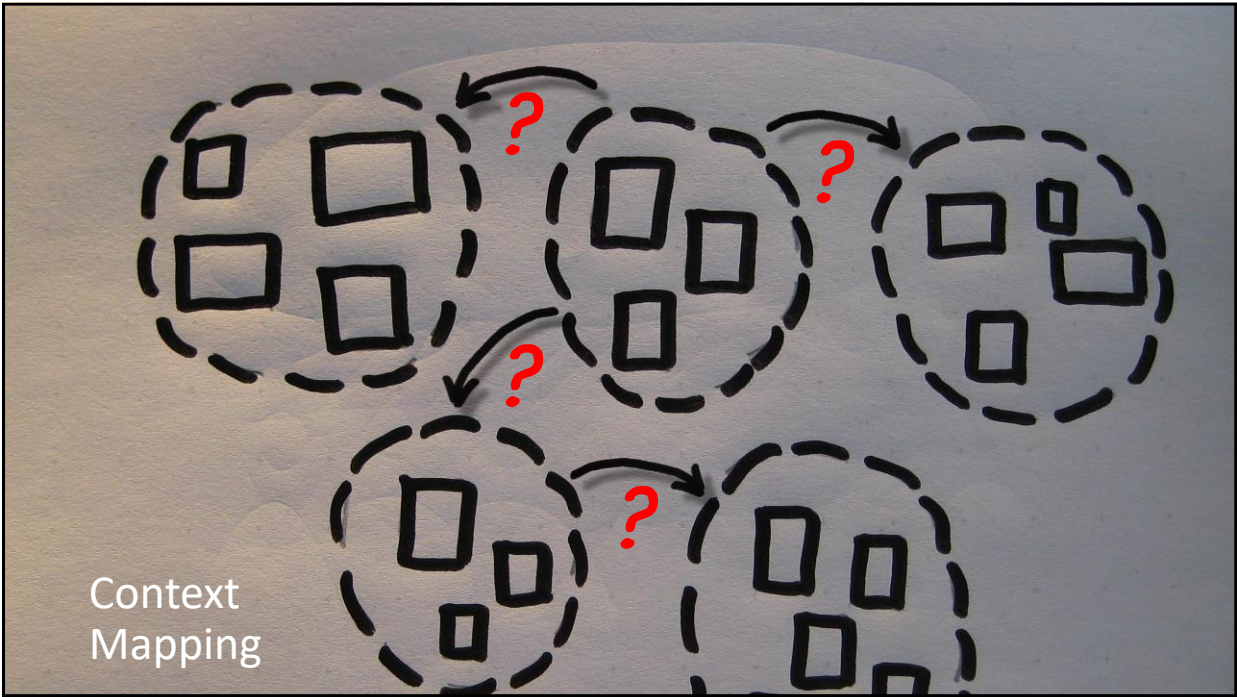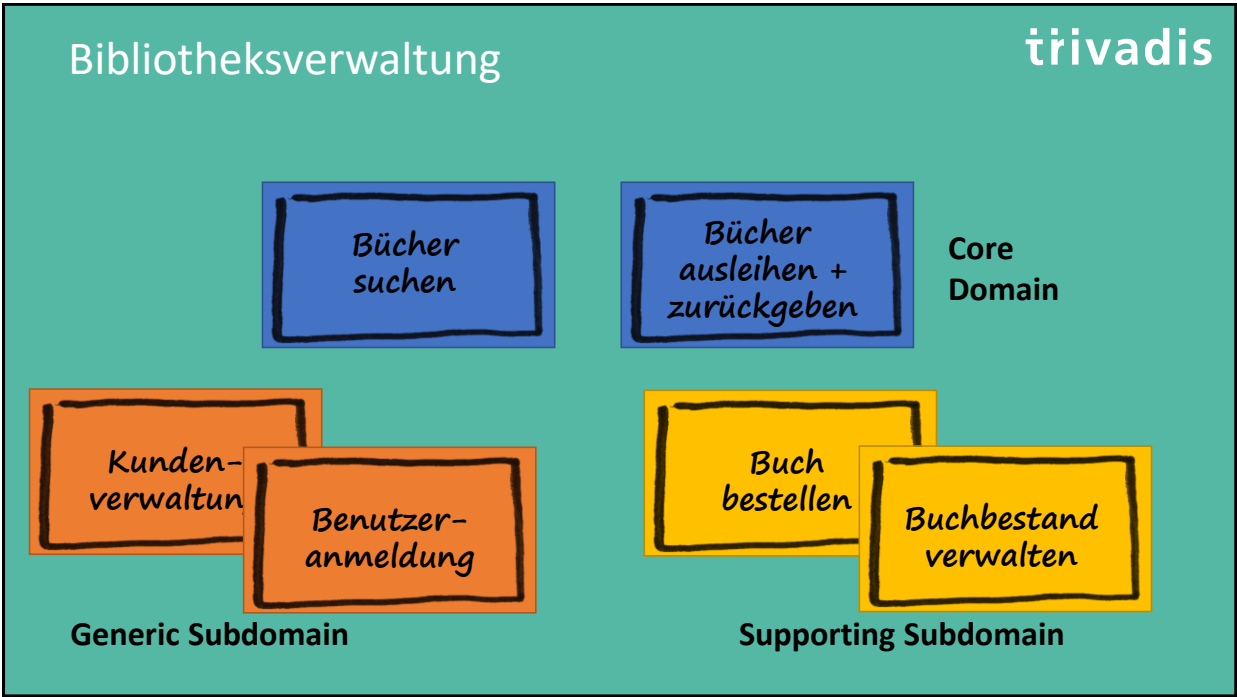
Partnership
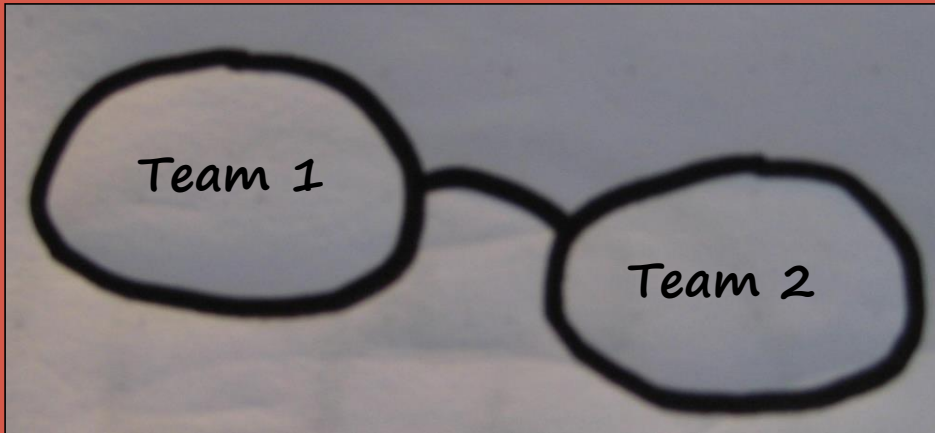
Shared Kernel
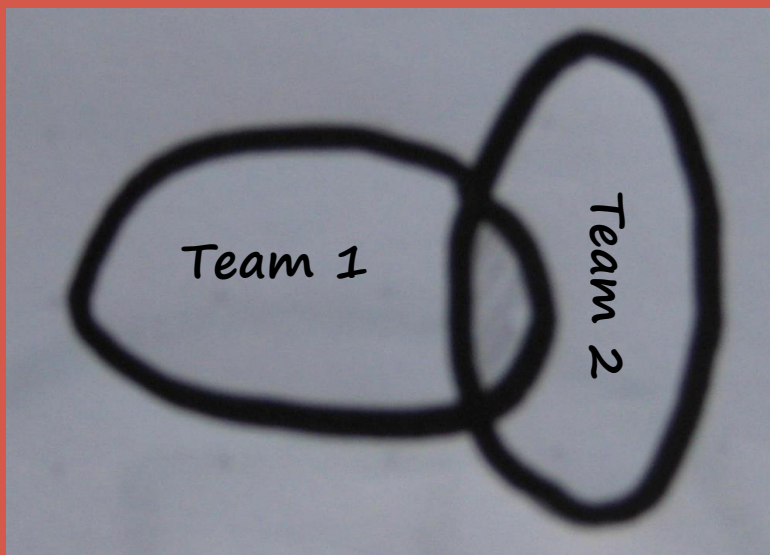
Customer-Supplier
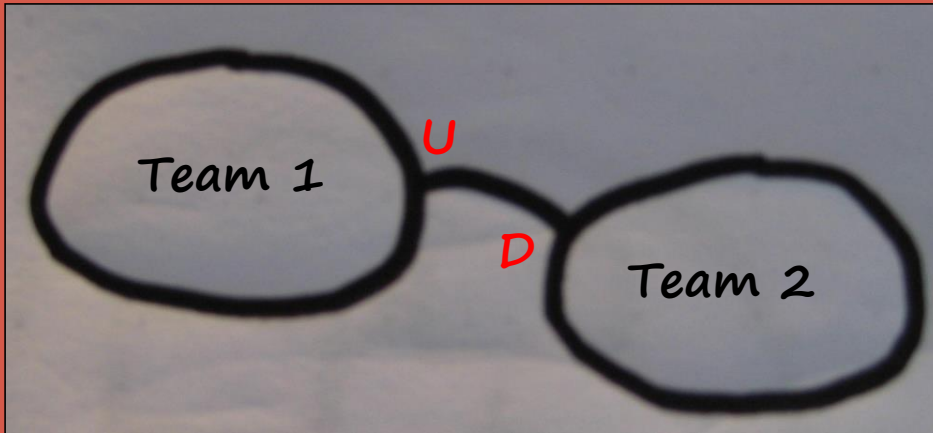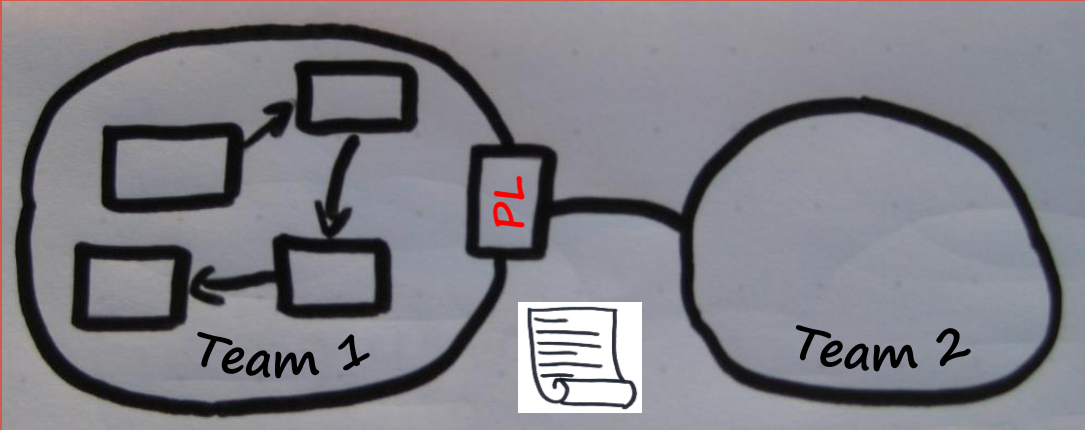

Conformist
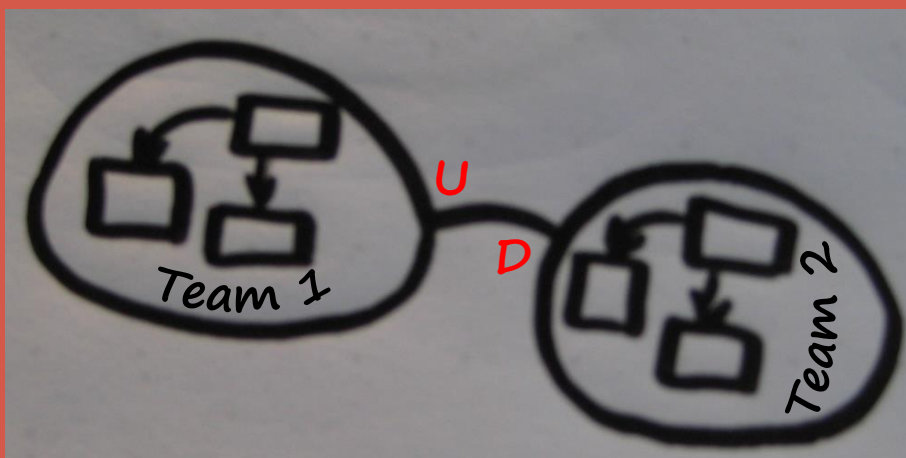
Anticorruption Layer

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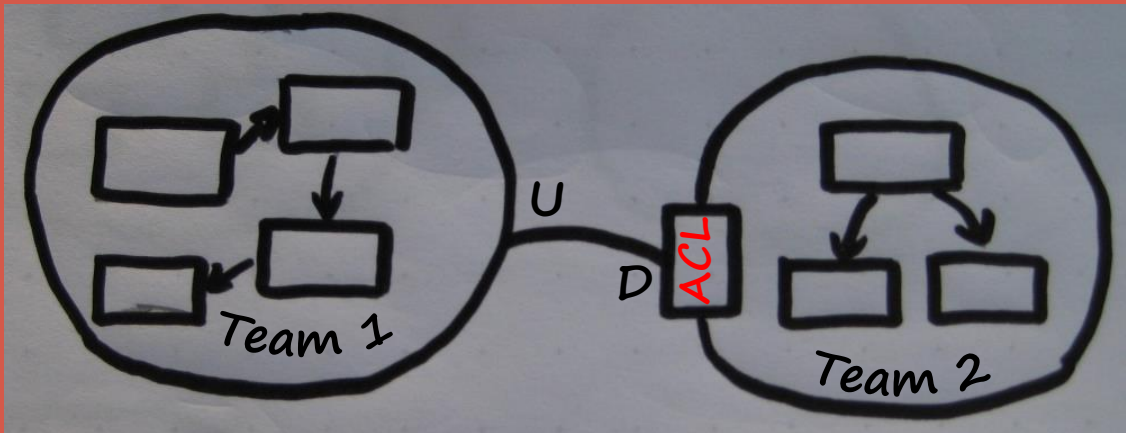
Open Host Service

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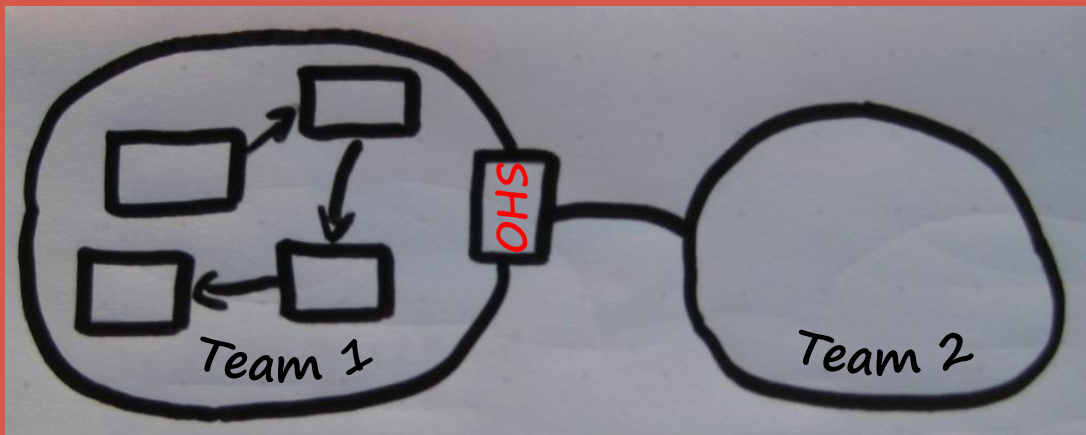
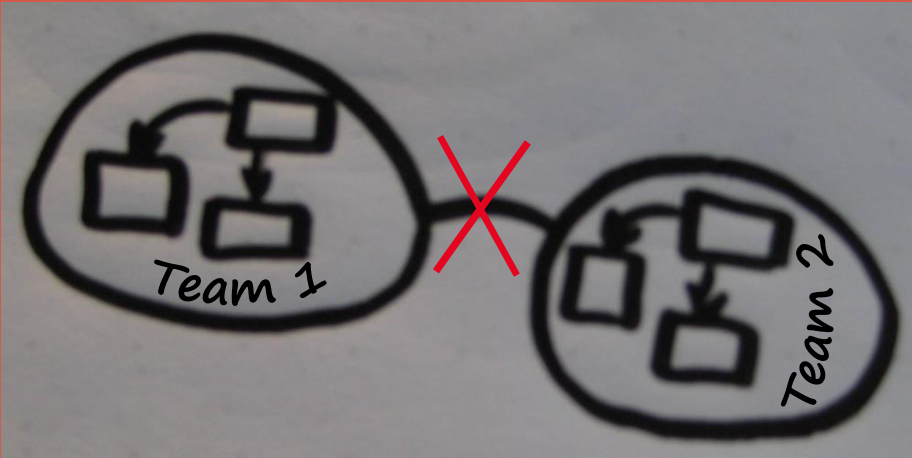## Published Language

Separate Ways

Tactical Design

Building Blocks
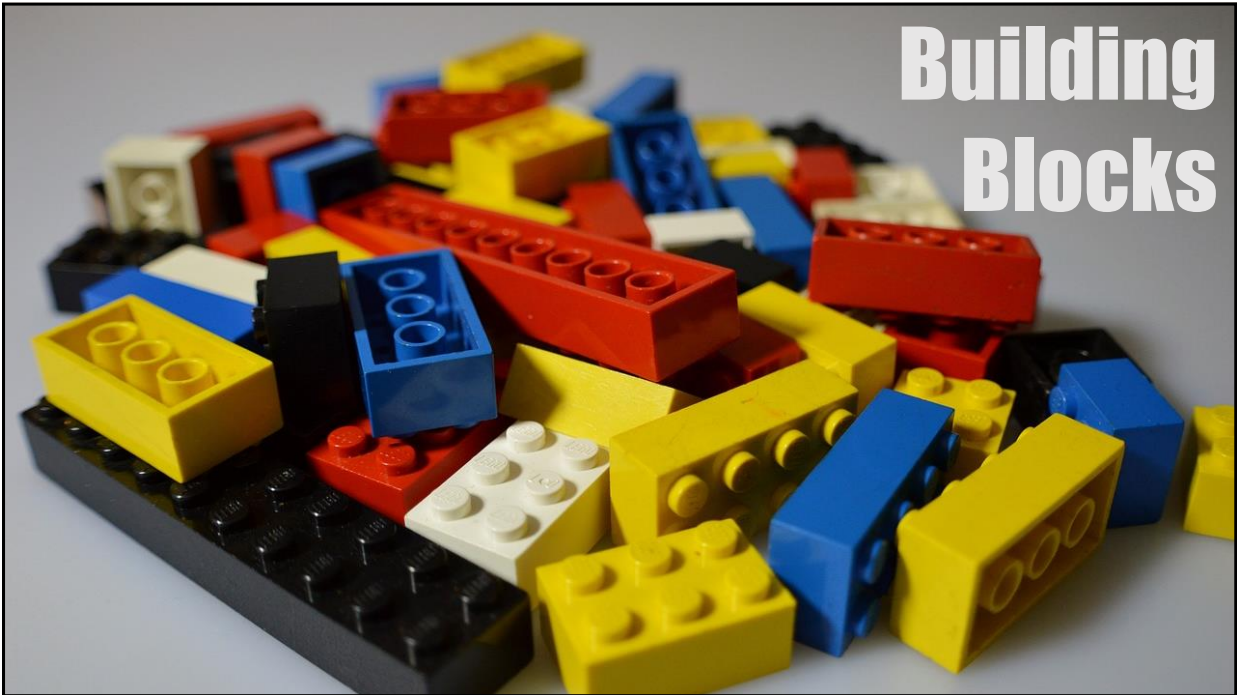
Aggregates
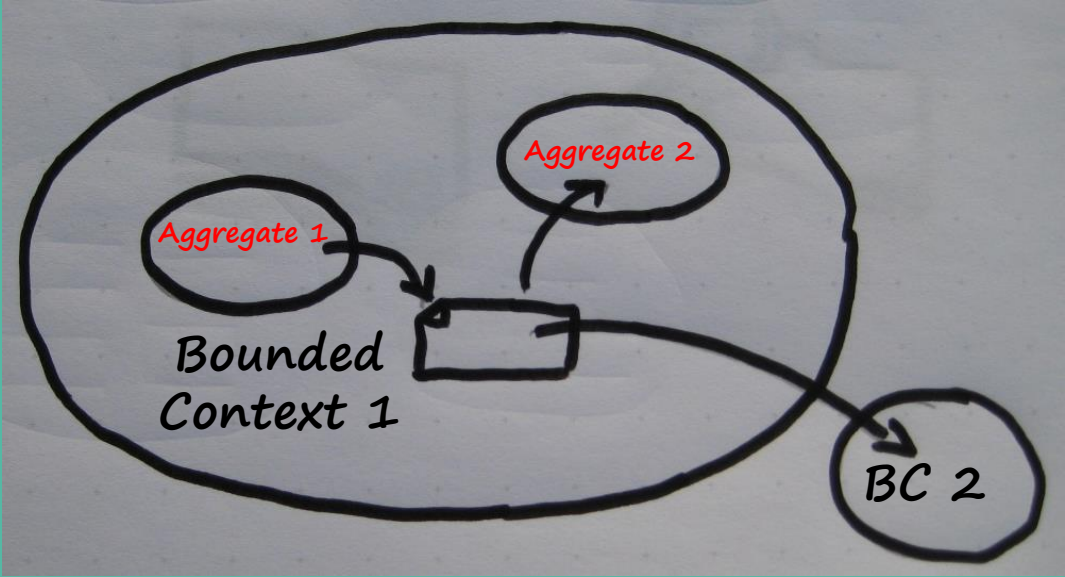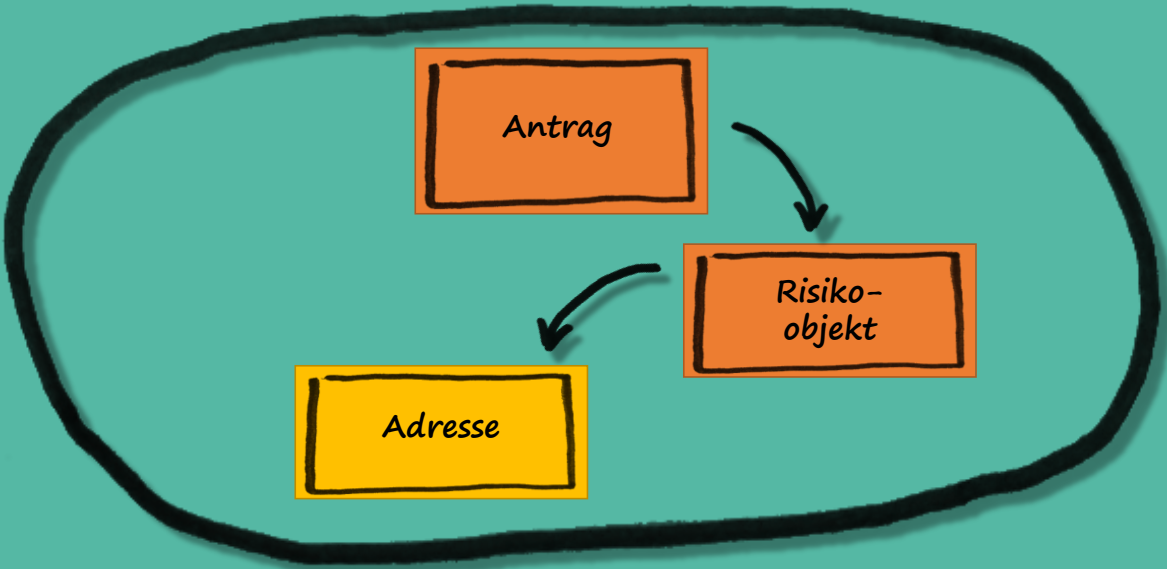
Aggregate

Entities und Value Objects
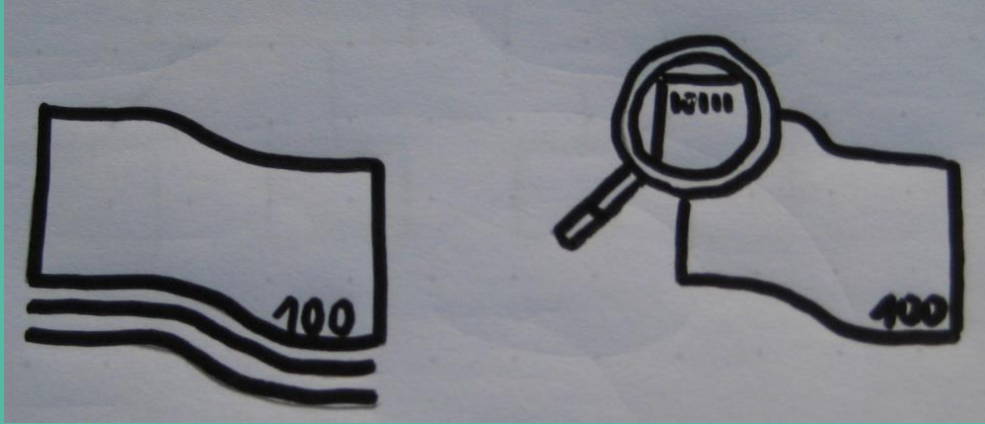
Bank   **EZB**

Aggregates tips & tricks

check invariants

design small aggregates

reference to other aggregates via ids only

update with eventually consistency

Services

Repositories

Factories

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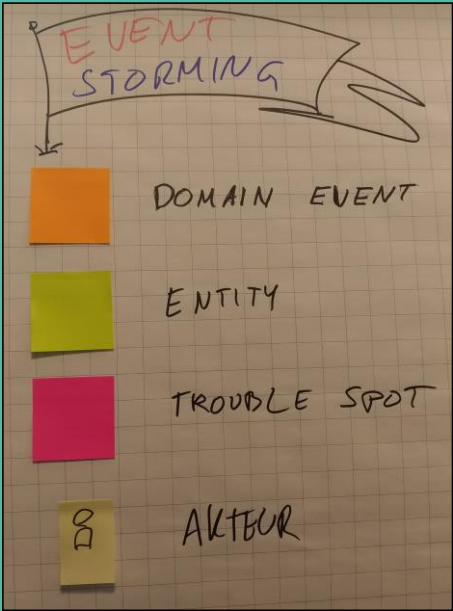## Domain Events

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Architectures

REST

Layers

Onion/Port and Adapter

Event Sourcing

CQRS

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Event Storming

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Domain Story Telling

Goal: Learn a new domain language.

The best way to learn a language is to listen to other people speak that language.

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Conclusion

Domain Driven Design

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is not an architecture!

is a collections of best practices
and patterns.

Domain Driven Design …

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is not an architecture!

is a collections of best practices and patterns.

Useful if domain model is complex

Useless for CRUD applications

Realization is not easy.

Convince Domain experts and development team.

Session Feedback – now

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- Please use the Trivadis Events mobile app to give feedback on each session
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- Otherwise use "Agenda" and the search function
- If the mobile app does not work (or if you have a Windows smartphone / Desktop), use your smartphone browser
  - URL: http://trivadis.quickmobileplatform.eu/
  - User name: <your_loginname> (such as "svv")
  - Password: sent by e-mail...