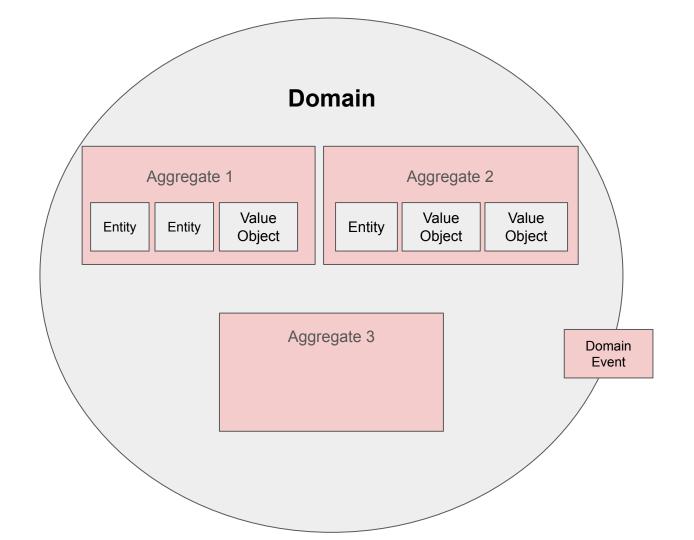
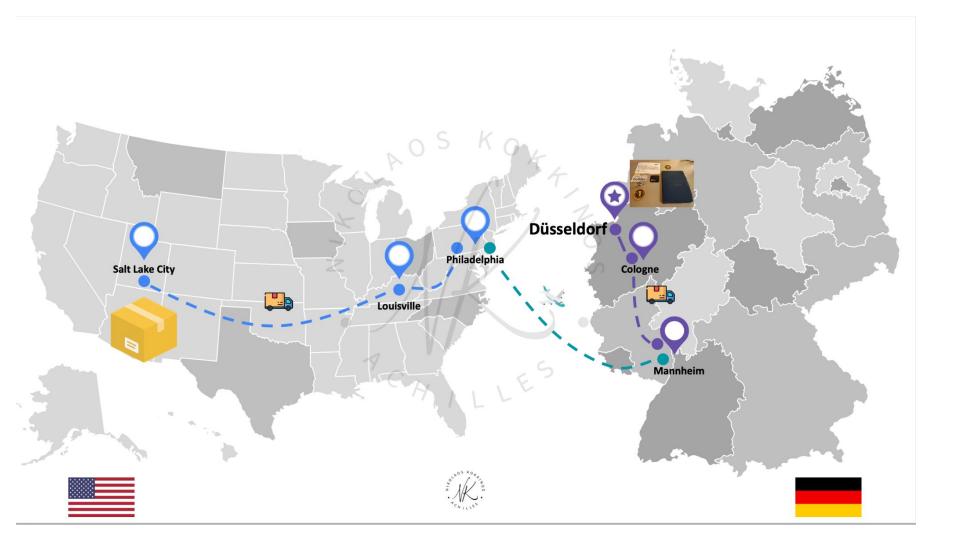


DDD Cologne Aug 26, 2024

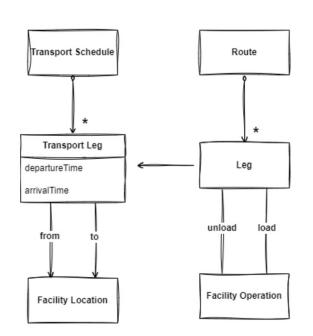
Basic patterns

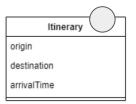




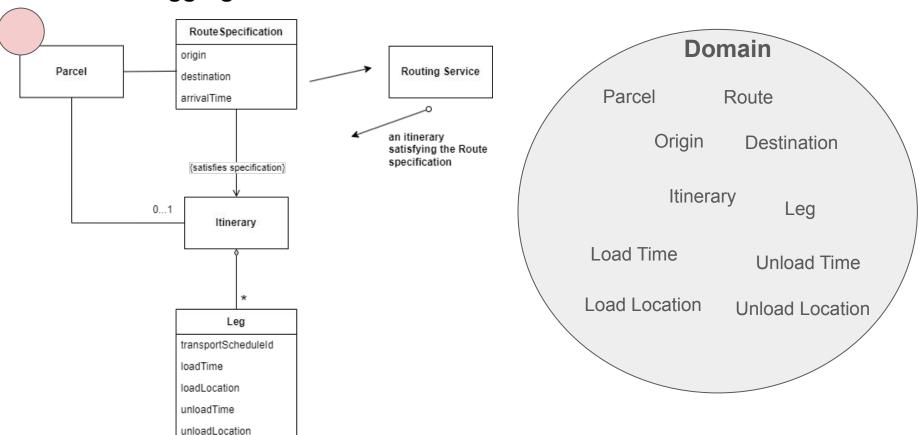
#### **Power Words**

Route Parcel Leg **Facility Operation** Transport Leg Origin **Load Time Unload Time Departure Time Arrival Time** Itinerary **Facility Location** Destination **Unload Location Load Location** 





### **Aggregate**



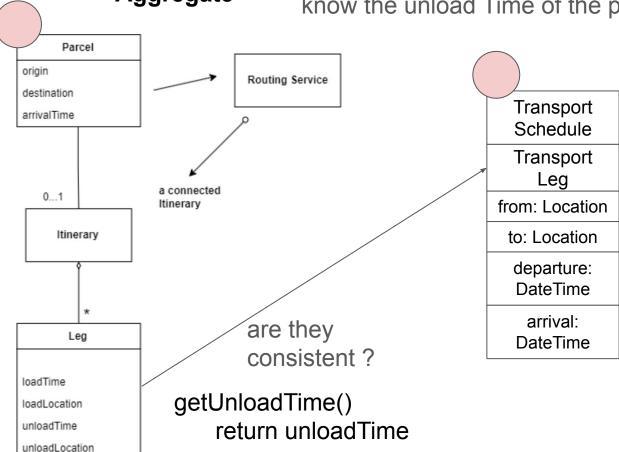
### Design Moment

### Aggregate Rules:

- Reference other aggregates by id
- Changes are committed and rolled back as a hole
- Changes to an aggregate are done via the root

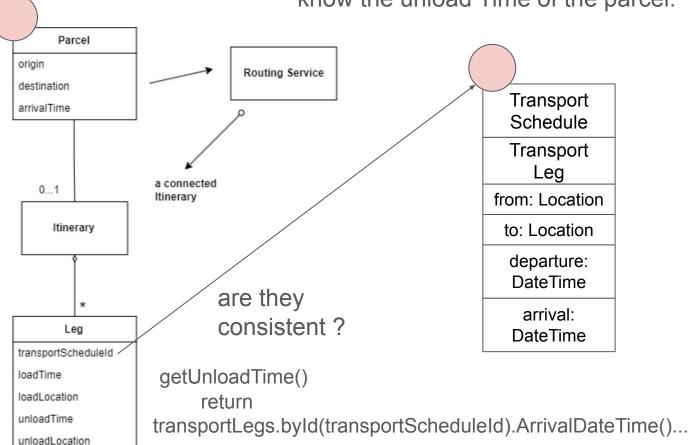


use case: the Operation users would like to know the unload Time of the parcel.





use case: the Operation users would like to know the unload Time of the parcel.



The

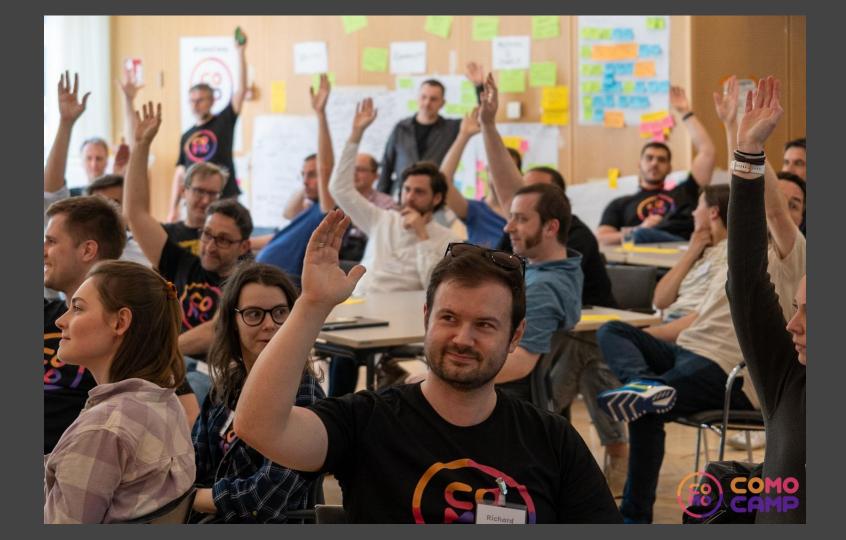
### **Collaborative Modeling**

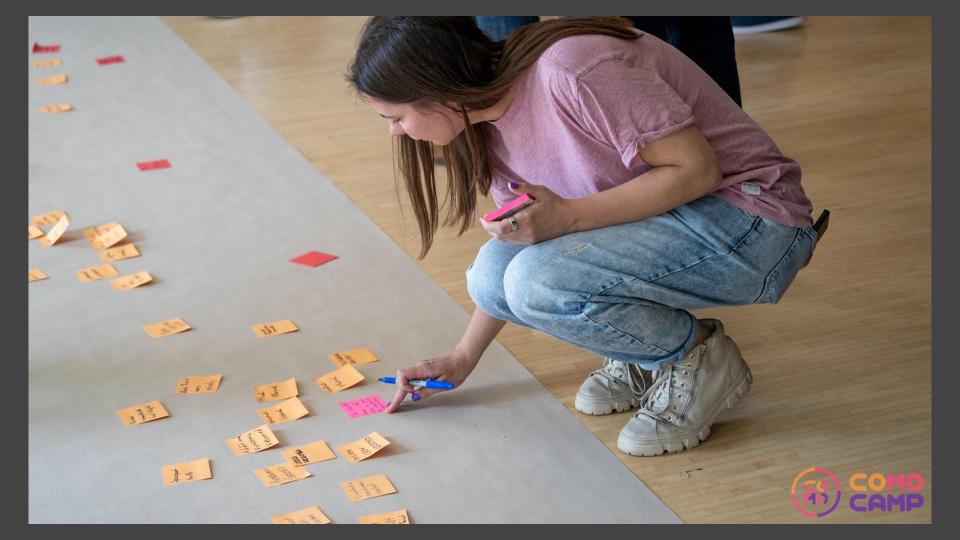
Unconference



Vienna May 7<sup>th</sup>-10<sup>th</sup>, 2025



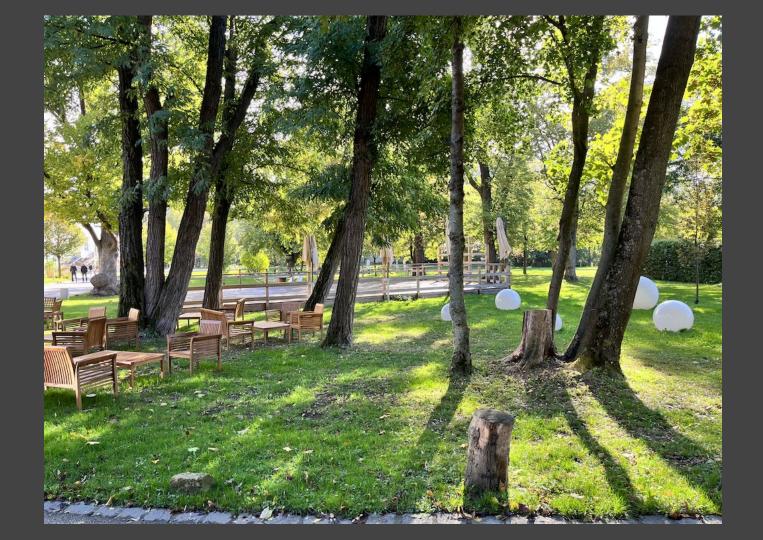














The

### **Collaborative Modeling**

Unconference

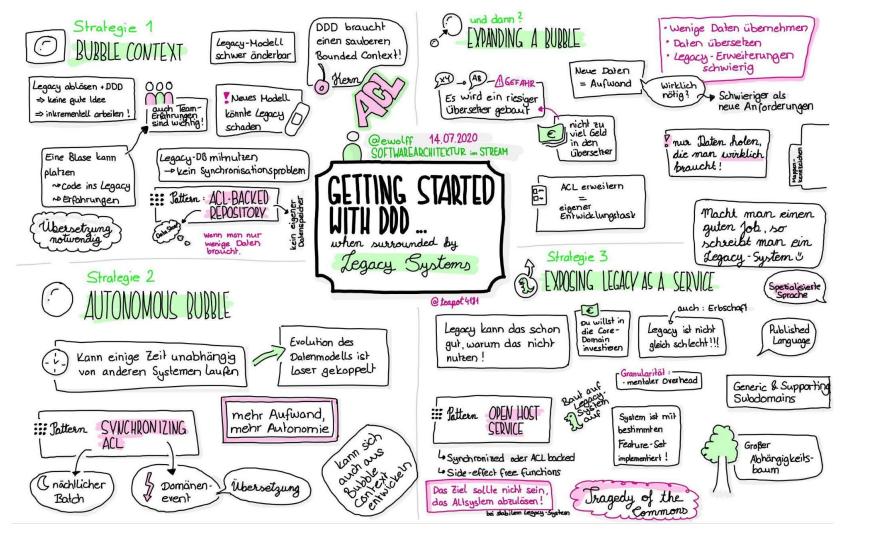


Vienna May 7<sup>th</sup>-10<sup>th</sup>, 2025

# Getting started with DDD when surrounded by Legacy Systems

Revisiting a 2013 paper by Eric Evans

Christoph Baudson

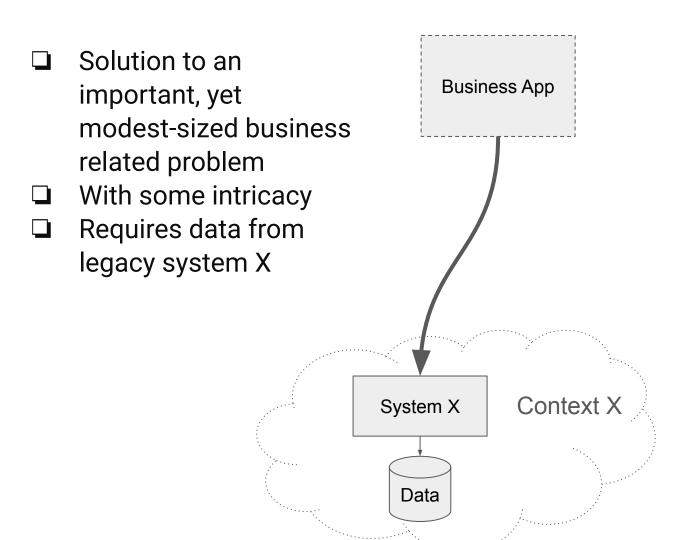


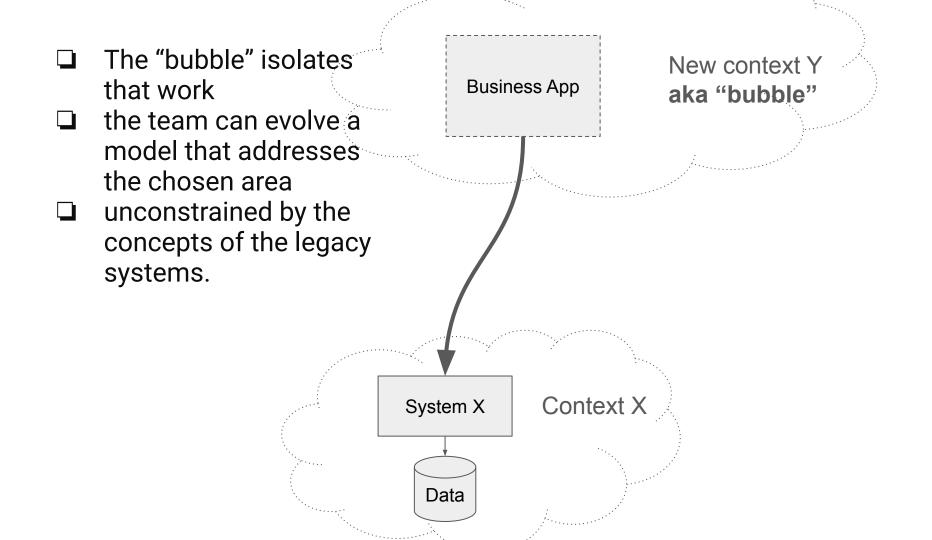
Moritz 9 Maria ത S rchitektu  $\delta$ notes Software Sketch

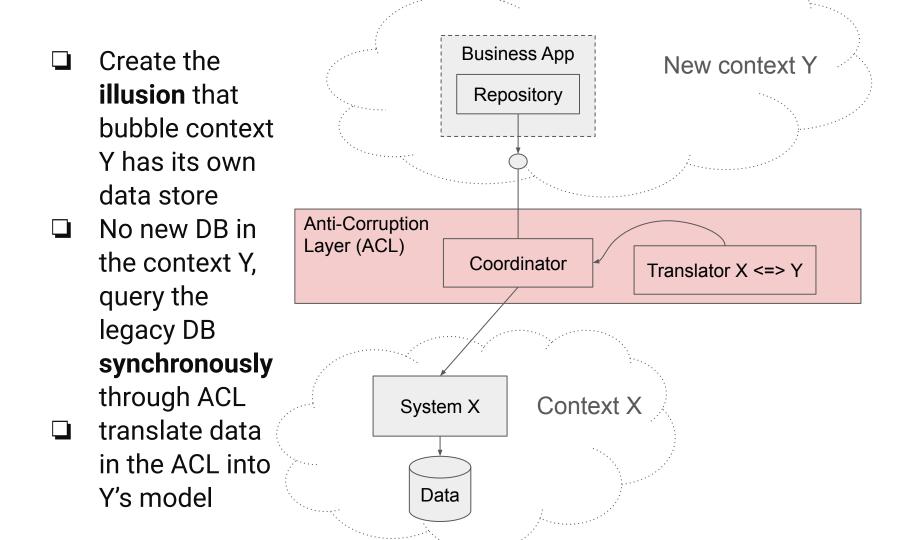
### Core ideas

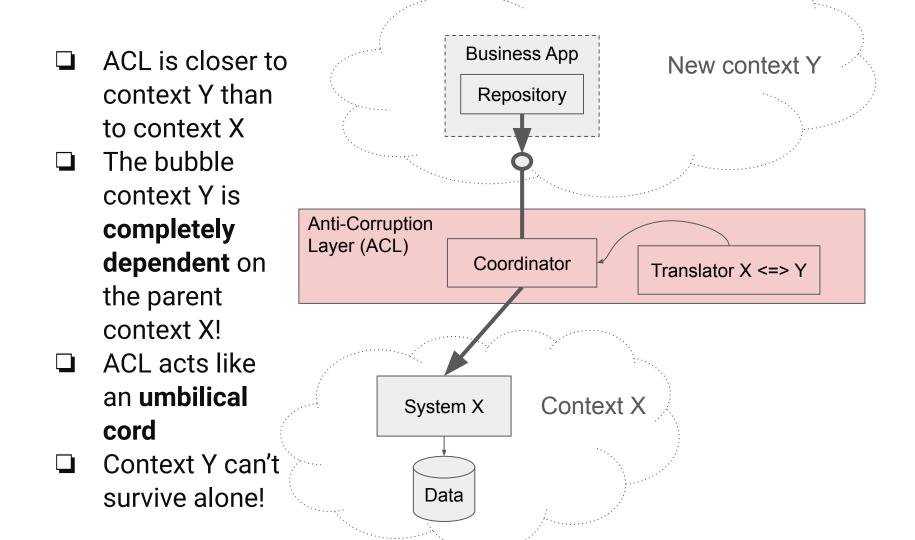
- Legacy represents value don't fall into the trap of replacing legacy systems by default!
- Make it easy for people to apply DDD patterns in brownfield situations!
- Remember some solutions presented here are temporary or steps in an evolution!

## Strategy 1: Bubble context

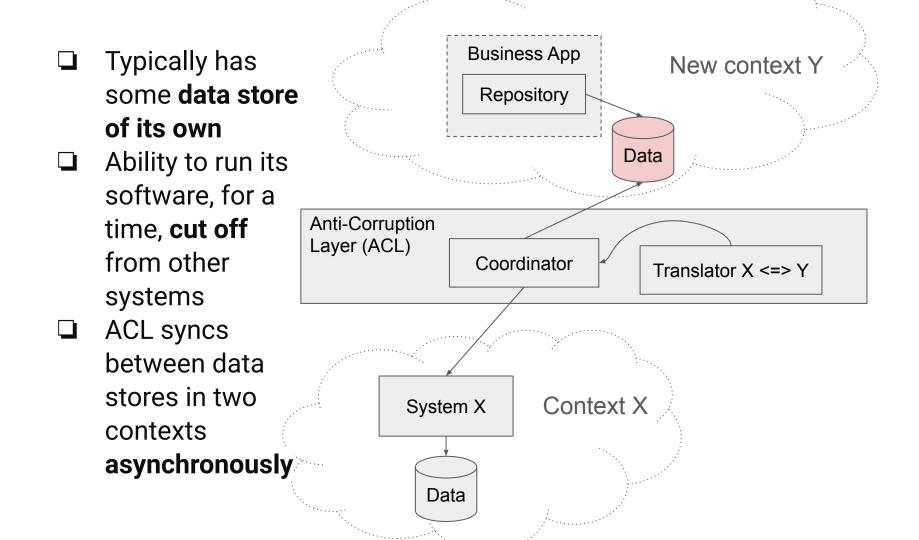




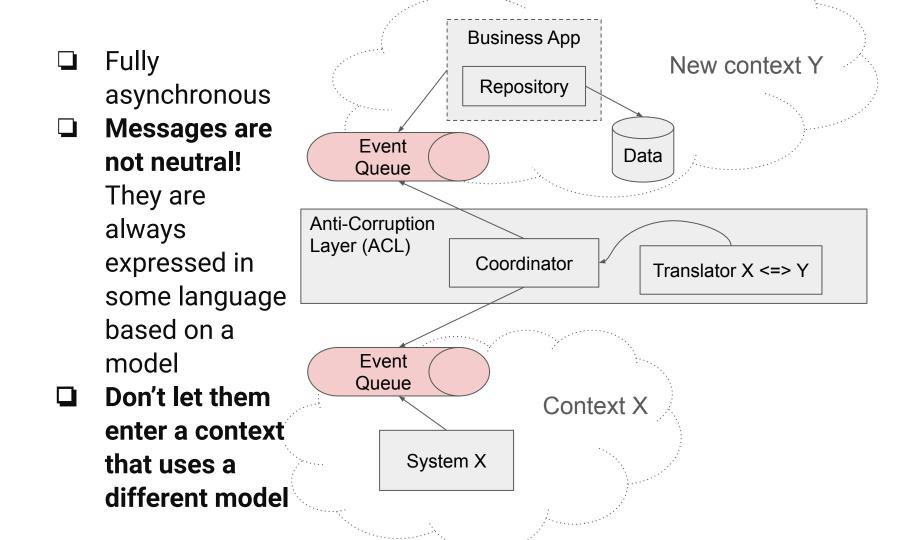




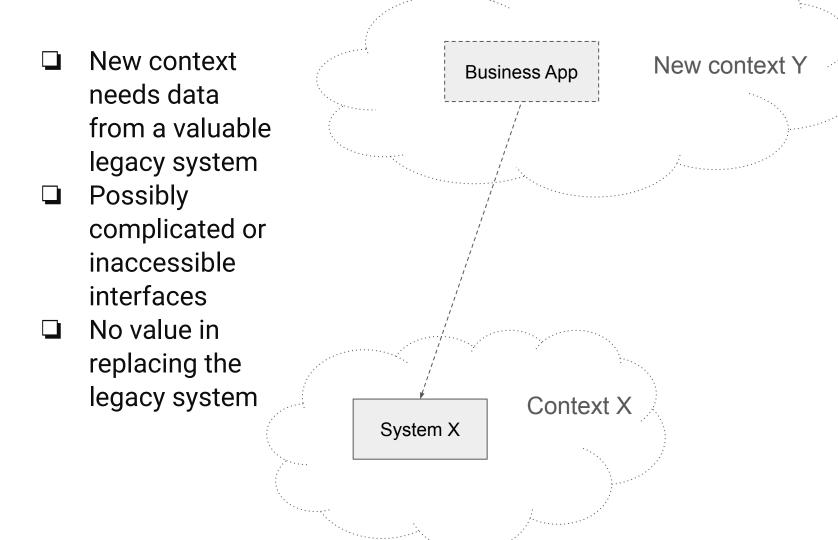
## Strategy 2: Autonomous Bubble

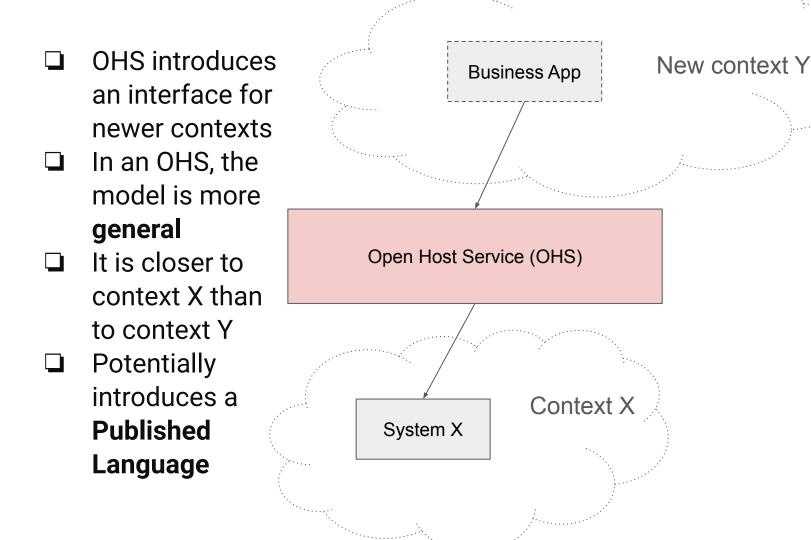


## Strategy 2b: Autonomous Bubble with Domain Events

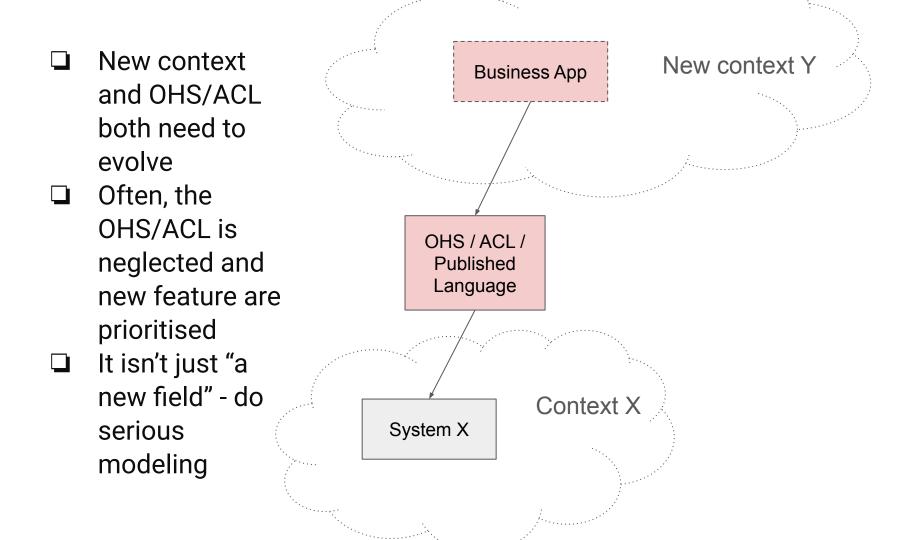


## Strategy 3: Exposing Legacy Assets as a service





# Strategy 4: Expanding the bubble



- If you fail to do this, people might take shortcuts □ this sabotages
- the OHS / ACL

