

Sebastian Gauder REWE Digital

youtube.com/watch? v=l-BaWhwyN00

Bild: Sebastian Gauder





Timeouts

Retries

Circuit Breaker







REWE digitalhaving dataIs better thanneeding data













Asynchrone Commands

Ioose coupling

- consistent communication
 "Fail" only obvious by
 - monitoring
 - Acknowledgement needs own event
 - Orchestration of overall process intransparent



Rules for Events

Events = True Facts
 No CRUD!
 One dedicated owner per topic

1. Events = True Facts





2. No CRUD!





account_
registered_
by_customer

account_ temporarily_ blocked account_
cancelled_
by_customer

Source: e.g. Event Storming



3. One owner per topic



3 Options for payload

- 1. Only ID, with REST call
- 2. Event Sourcing (just delta)
- 3. Event-carried State Transfer (full payload)

1. Only ID, with REST call



2. Event Sourcing (just delta)





When to use what?

- 1. Only ID, with REST call
 - Many events, rarely relevant for business logic
- 2. Event Sourcing (just delta)
 - Big aggregates, many events
- 3. ECST full payload
 - Transactional completeness important
 - Log compaction possible

REWE digital

Full payload Log compaction Goal: Transactional Completeness Event = complete

aggregate



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