

# Eventing @Allianz in Germany

An architectural transformation journey

Allianz Kunde und Markt GmbH  
Enterprise Architecture

Jens Müller  
& Fabrizio Lazzaretti

Data in Motion  
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Question for the audience –  
raise your hand if you agree:

Do you see Eventing as an  
a) technical paradigm shift?





Do you see Eventing as an  
b) architectural paradigm shift?





Do you see Eventing as an

c) mindset paradigm shift?





Do you see Eventing as an

d) no shift at all?





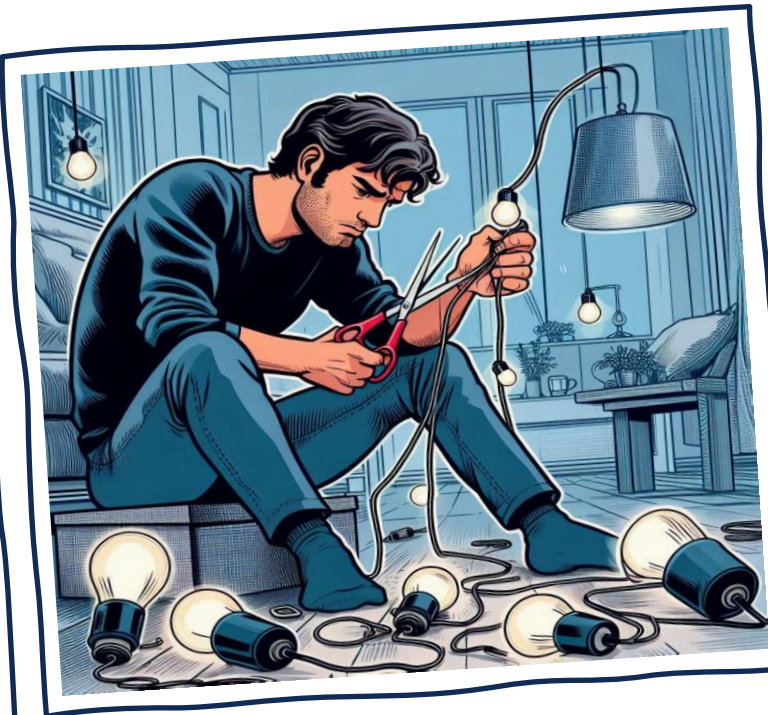
Big Ball of Mud

=> **something has  
to change ...**



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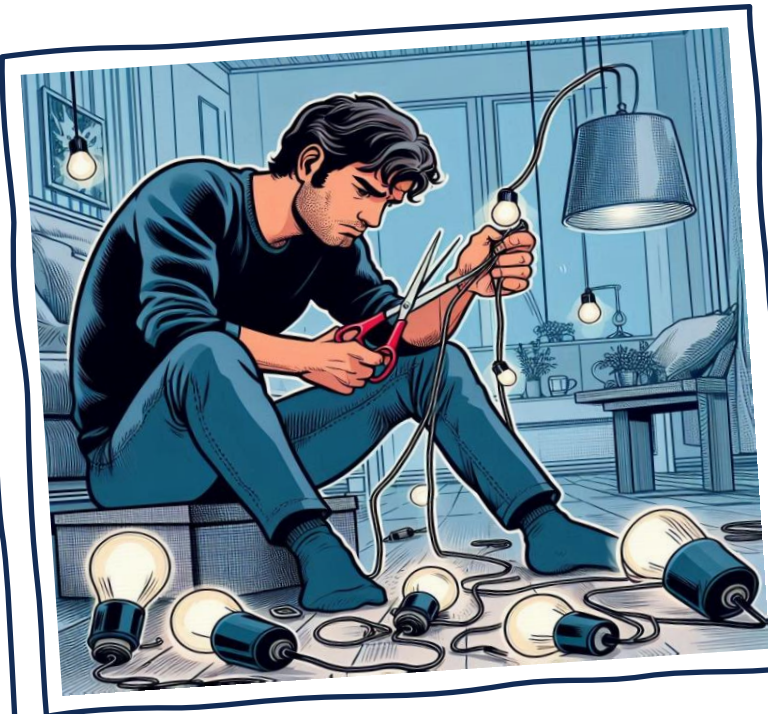
Allianz 

Now we ...

- > **simplify**
- > **decouple**
- > **apply asynch communication**

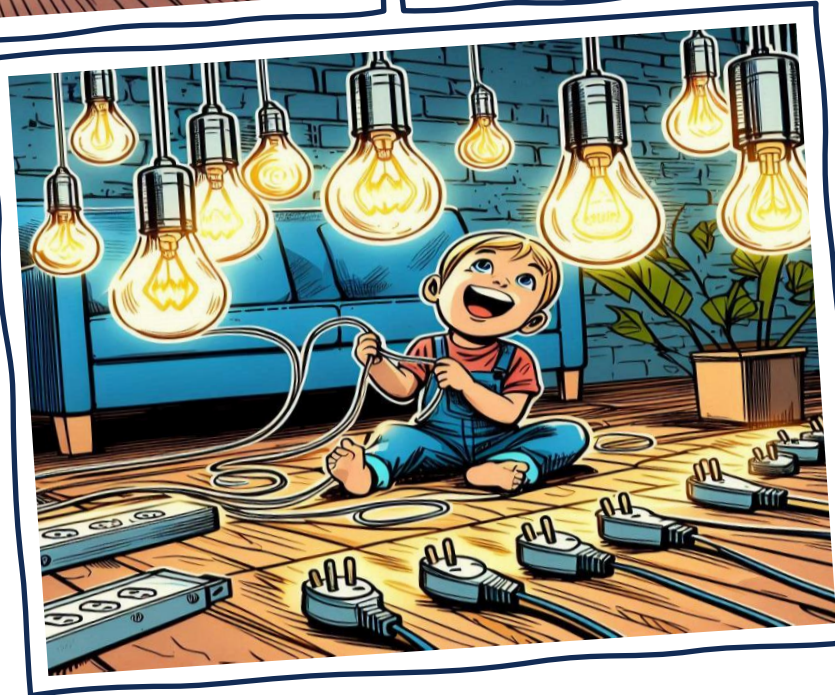


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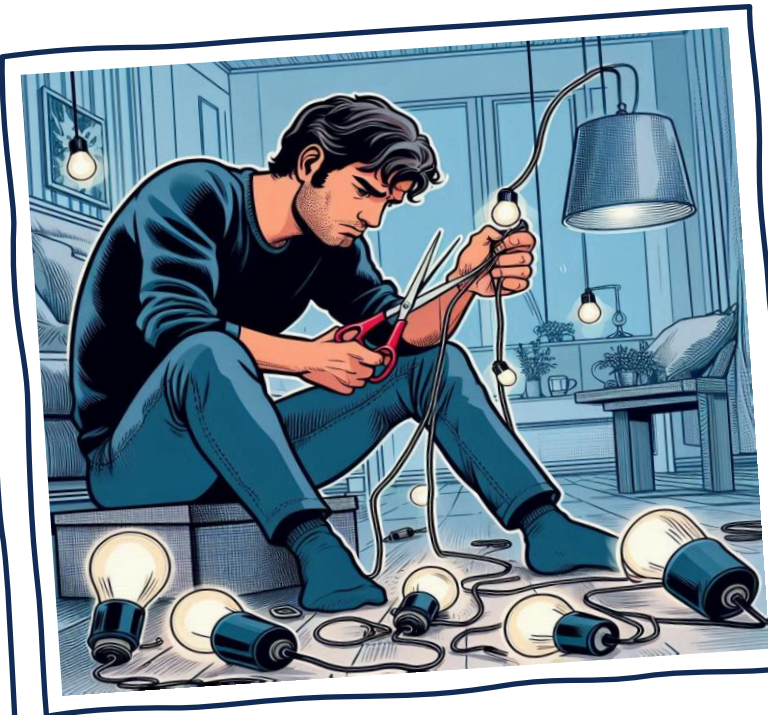
~~Batch~~  
~~HTTP~~ ~~MQ~~  
↓  
Eventing  
& Kafka





Big Ball of Mud

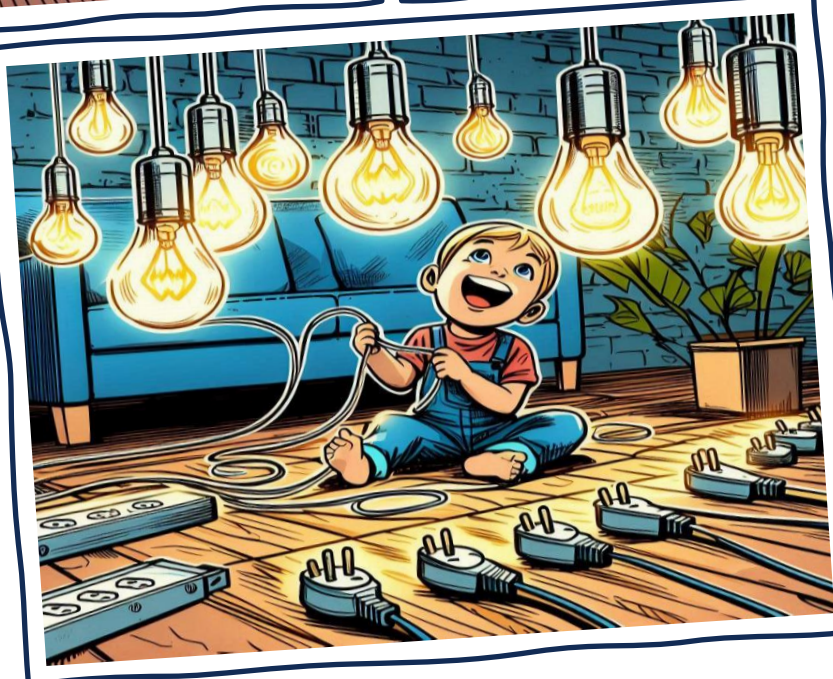
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Allianz 

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- > **simplify**
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~~Batch~~

~~HTTP~~ ~~MQ~~



Eventing  
& Kafka

So we ...

- > **cut up point-to-point interfaces**
- > **package them as "events"**
- > **transfer them asynchronously**

and don't change too much

**... now we are fine**

And they lived happily ever after ... ?



**Classic Interfaces**



**„Eventing“**

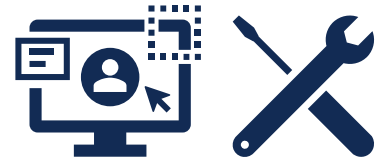
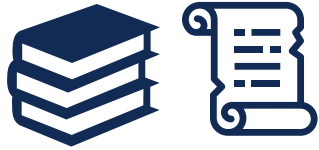


*Our approach  
towards a  
real*

*transformation -*

*The Eventing Journey of Allianz*

# To enable a successful transformation we use our API First strategy with a focus on 4 key areas



## Guidelines & Governance

## Methods & Standards

## Training & Communication

## Organization & Processes

- Guidelines and technology standards
- Applicable Best Practices
- **SaaS - Apache Kafka with Confluent as backbone**
- Eventing Governance & Management Suite\*

- Eventing Platform
  - VAIT & DORA Compliance
  - Security Levels Approvals
- **DDD with Domain Story Telling and Event Storming**
- AsyncAPI with Schemas in Avro or JSON

- Beginner & advanced trainings
- **Hands-on training in the Allianz Cloud Environment**
- **Knowledge base / self service portal**
- Internal info events
- Cross-cutting Eventing community (no silos)

- **Onboarding Guidance**
- Enablement Guidance
  - Legacy systems integration
  - General EDA patterns
  - Event Streaming
  - Special cases
- **Eventing Team**
  - Business Owner Germany
  - Support & Consulting

# Guidance from first contact throughout the

# whole journey



# The key to a successful design is a clear and crisp event design

1) Personal Briefing with Eventing Team



2) Event Design & Quality



Workshop with Domain Storytelling & Event Storming using Domain Driven Design (DDD) to define Event-Driven APIs  
“Soft Quality Gate”

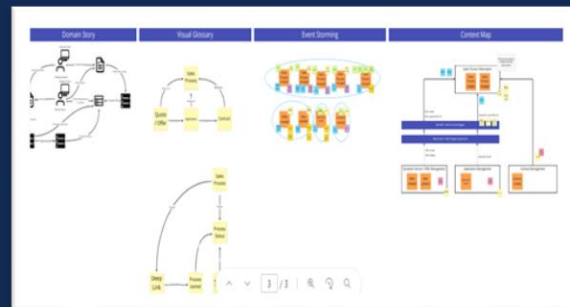
3) Business Onboarding

4) Architectural & Technical Onboarding

5) Create Kafka Topics/Events

6) Go-Live Support & Governance

7) API Lifecycle



## Domain Driven Design

- Visual Glossary
- Context Map
- Synchronous & asynchronous Communication patterns



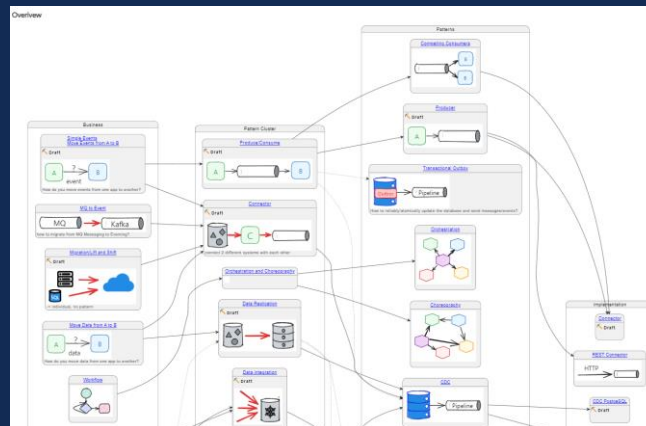
## Technical Guidance

- YAML-File with Async API

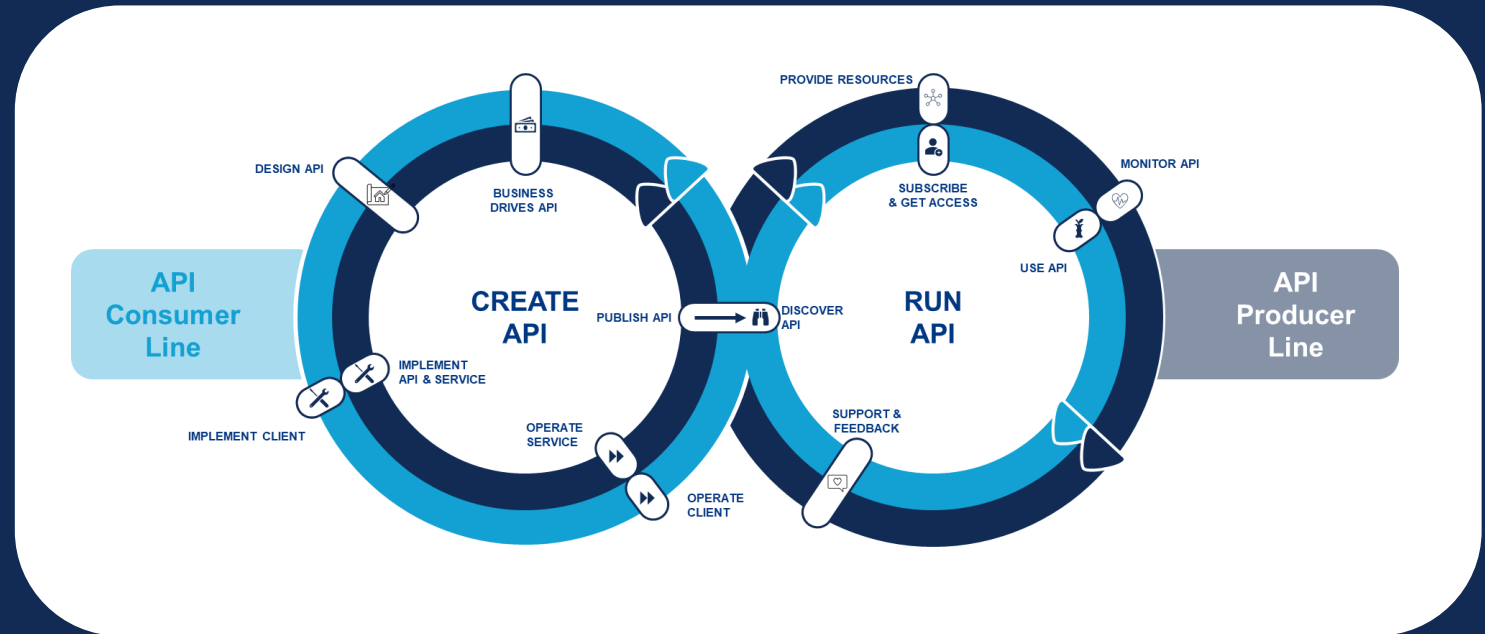
# Architectural guidance with selected patterns



Architecture discussion, **Eventing patterns guidance**



# A seamless integration into the API Lifecycle to cover end to end responsibility



Recurring API Lifecycle  
Publish, discover, change ...



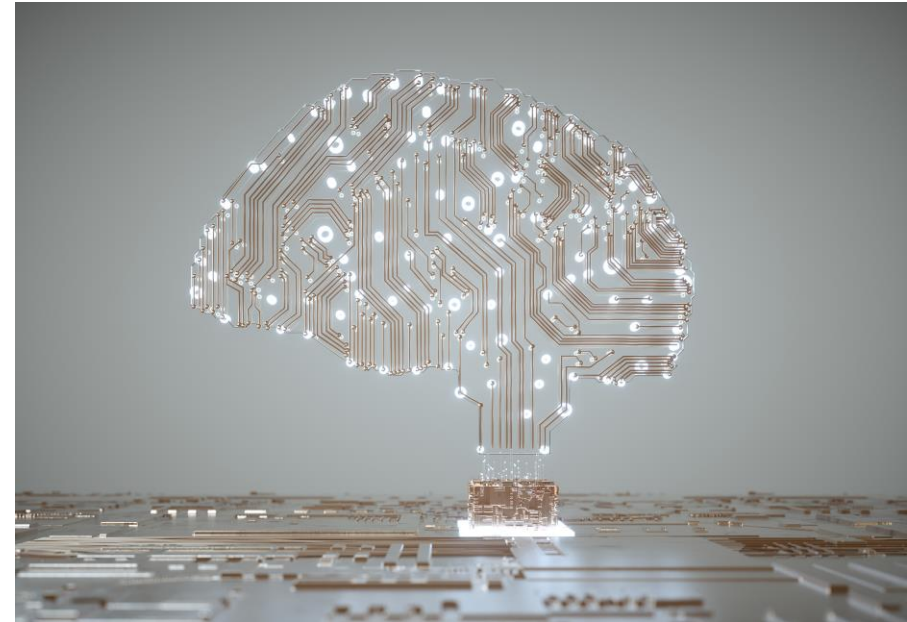
Recap our question from the beginning:

- Do you see Eventing as an
- a) technical paradigm shift?
  - b) architectural paradigm shift?
  - c) mindset paradigm shift?
  - d) no shift at all?





„We define Eventing as a **Mindset shift** that starts at the **heart** of the **business** and needs **conviction** of Management, Business, Architects and DevOp-Teams“

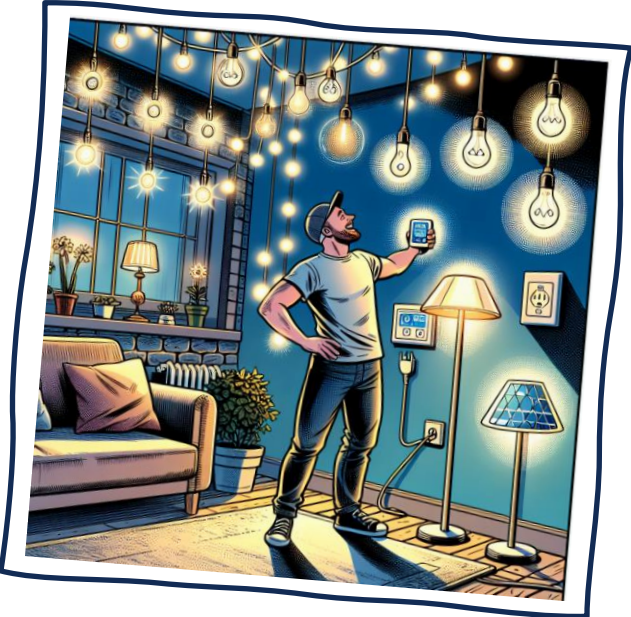


*So that ...*

... they hopefully can live happily ever after !



**Classic Interfaces**



**Eventing**

# The Allianz Eventing Team thanks you for your attention – we are open for questions



**Jens Müller**

Business Owner EBS AzID  
Eventing Lead within EA



**Fabrizio Lazzaretti**

Deputy Business Owner



**Patrick Müller**

Team Member  
ISAQB Board Member



**Christoph Tonk**

API & Eventing Lead

# Every journey comes with some challenges and lessons learned



Business & IT need to let go of „everything is synchron“



Change the business process and redesign an existing, proven process



How to bring clarity in a jungle of eventing buzzwords?