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# Welkom

## Stick 2 Standard, en toch Jumbo!

Steven Spronk, Technical Pathfinder & Ton Duyser, IT  
Architect – Jumbo Supermarkten

**JUMBO**

# Today's presenters



**Steven Spronk**  
Technical Pathfinder



**Ton Duyser**  
S4 Program Architect

# Content

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# Introduction Jumbo



Jumbo  
Foodmarkets



The number one  
omnichannel  
Food player



Jumbo City



Jumbo.com



Jumbo  
Supermarkets



La Place

# Infographic

## Outlook - entire 2021

### Jumbo Supermarkten



**720** Total number of stores

### Jumbo City's



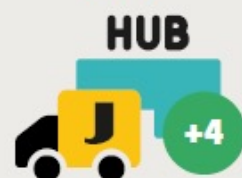
**20** Jumbo City stores

### Jumbo Belgium



**20** Stores in Belgium

### Hubs



**16** Hubs in the Netherlands

### Home delivery



**712** Stores with home delivery

### La Place



**74** La Place locations

**Hubs**  
Amsterdam  
's-Hertogenbosch  
Middelburg  
Utrecht  
Breda  
Heerhugowaard  
Bemmel  
Deventer  
Maastricht  
Groningen  
Bleiswijk  
Hengelo

### Online



### Pick Up Points



2020 **446**

2021 **419**

### Home delivery



2020 **498**

2021 **602**



### Consumer turnover



2020 **33** MLN

2021 **13** MLN

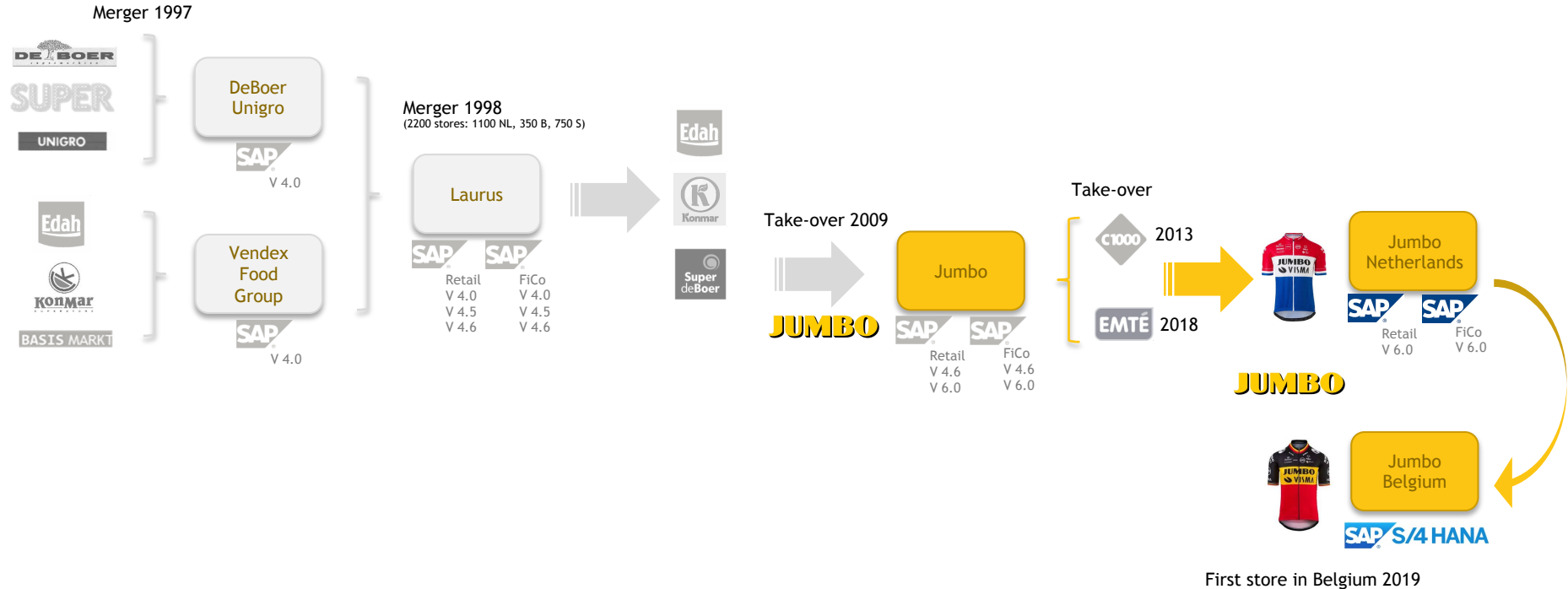
### Number of locations



2020 **95**

2021 **73**

# History of Jumbo's SAP system



# Design Authority



# S4 guiding principles

DA is introduced in order to ensure that these principles are followed

S4 Goal		S4 guiding principle	How we will act?
Standard	➔	Adopt <b>standard functionality</b> for non-differentiating business processes & <b>do not replicate the past</b>	<b>Challenge the as-is</b> & create a business case for deviations from <b>standard</b>
Stable	➔	Focus on the entire <b>end-to-end business process</b>	<b>Cross-functional team</b> that designs flawless & robust execution in mind
Simple	➔	<b>Keep it simple</b> as to enable scalability and differentiation & first time right	Little variations in processes, <b>removing non-value adding steps</b>
Speed	➔	Design for 24*7 with <b>real-time insights</b> & <b>automate</b> high volume/repetitive tasks	Investigate how <b>real-time insights can make a difference</b> and address automation

# Way of Working / Role of Design Authority (DA)

In case of deviation from SAP standard DA approval is required



- Any kind of custom code, user-exit or Badi
- Code needs to be part of “switch framework”
- Extensibility option: “in-app” or “side-by-side”
- Scope: S/4, CAR, F&R, UDF, ...

- Functionality might be available / hidden
- Customer Engagement Initiative (CEI)
- Check SAP’s Roadmap (Roadmap Explorer)
- New functionality S/4 upgrade
- View request from various angles

Build extensions on **Business Technology Platform** based on **released APIs** with support of **In-App extensibility**

# Few examples

## Request

In store food production solution lacks in standard S/4

## Recommendation

Instead of developing custom code in 'classic way' a side-by-side solution is developed on SAP Business Technology Platform using Cloud Integration based on released API's

## Request

The in-store Fiori app "Adjust Stock Count", didn't take unprocessed sales into account. Enhancement was requested to update counting document with actual real-time stock

## Recommendation

Enhancement approved as temporary solution; OSS message raised in parallel which finally resulted in an update of the standard solution

## Request

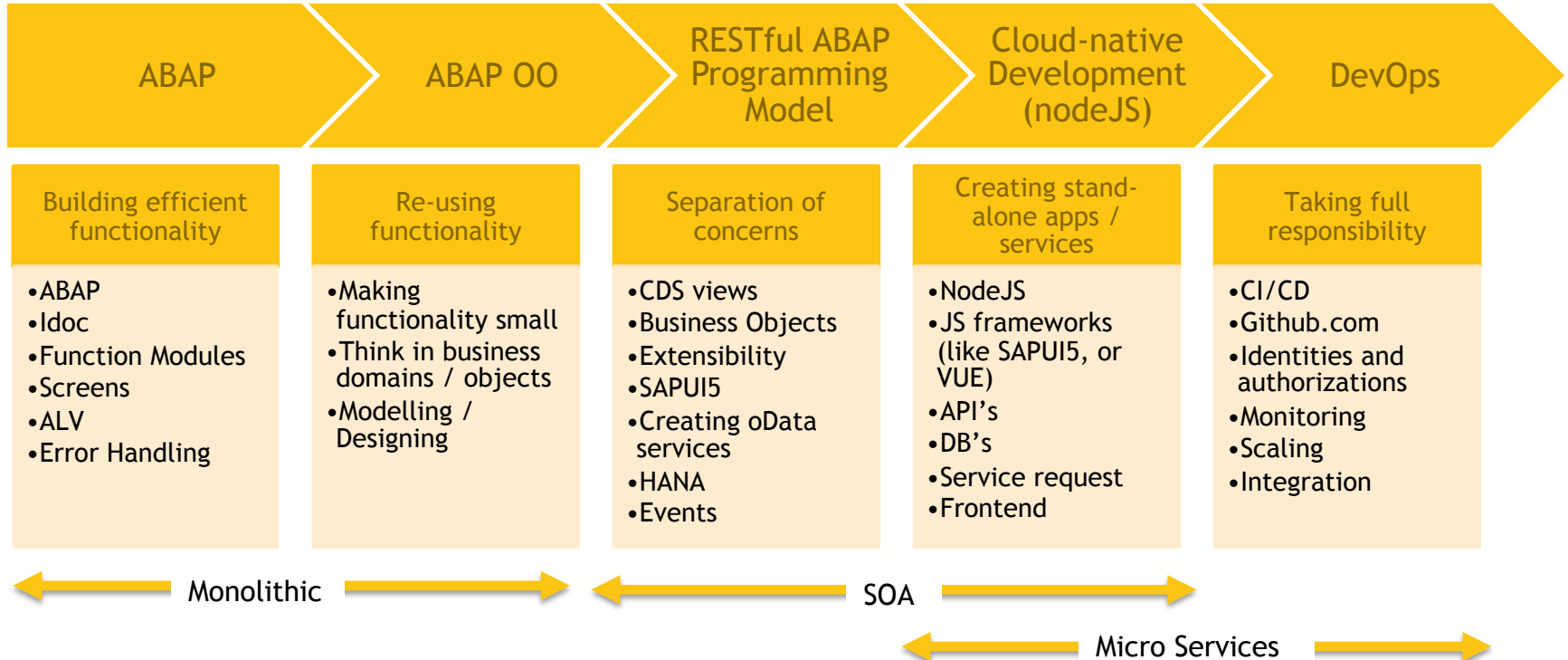
In excise declarations process, an additional attribute was required (permit number), additionally to an earlier added custom attribute. This earlier attribute was added without taking the new extensibility options of S/4 into account.

## Recommendation

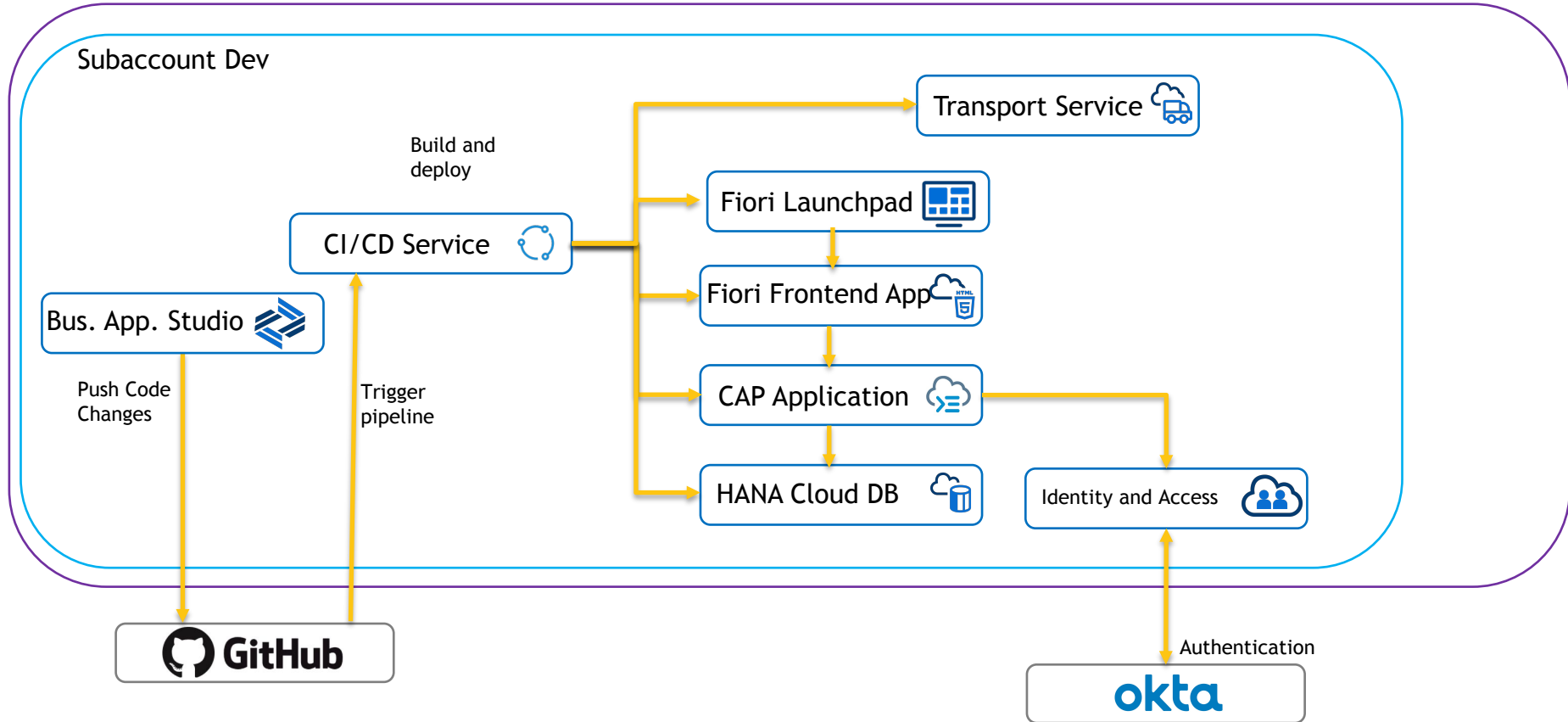
Use of in-app extensibility option: create custom object, with both attributes; remove earlier added attribute from MARA-table (done via classic extension)

**New way of working**

# (R)Evolution of SAP development



# Cloud Native Development and Dev/Ops on SAP BTP



# Current Integration

## Current situation

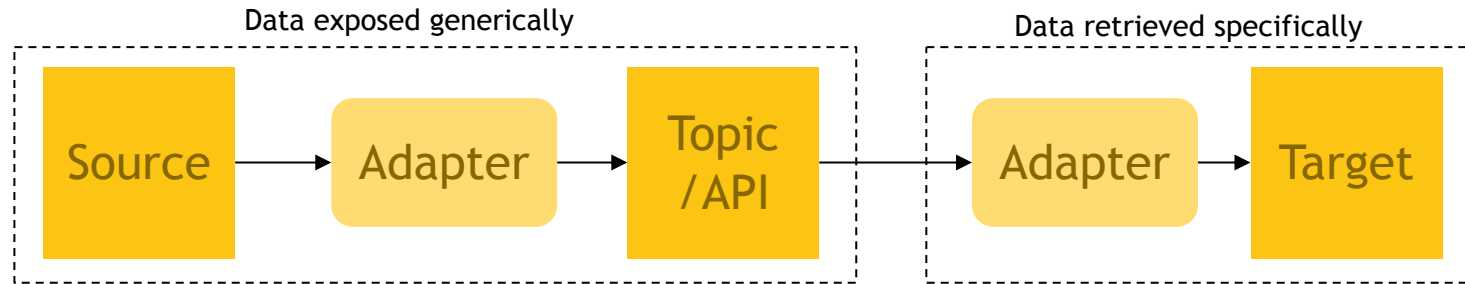
- Central Integration team
- Many one-to-one connections → not scalable.
- Service Oriented Architecture → increases the number of integrations exponentially.

## Pain points

- The SAP development teams have no ownership over integrations with SAP
- The integration team is overloaded with work and has become a bottleneck in the development process, leading to longer implementation times of new functionality.
- Custom logic is built in the SAP core to deal with complex business logic (no clean core)

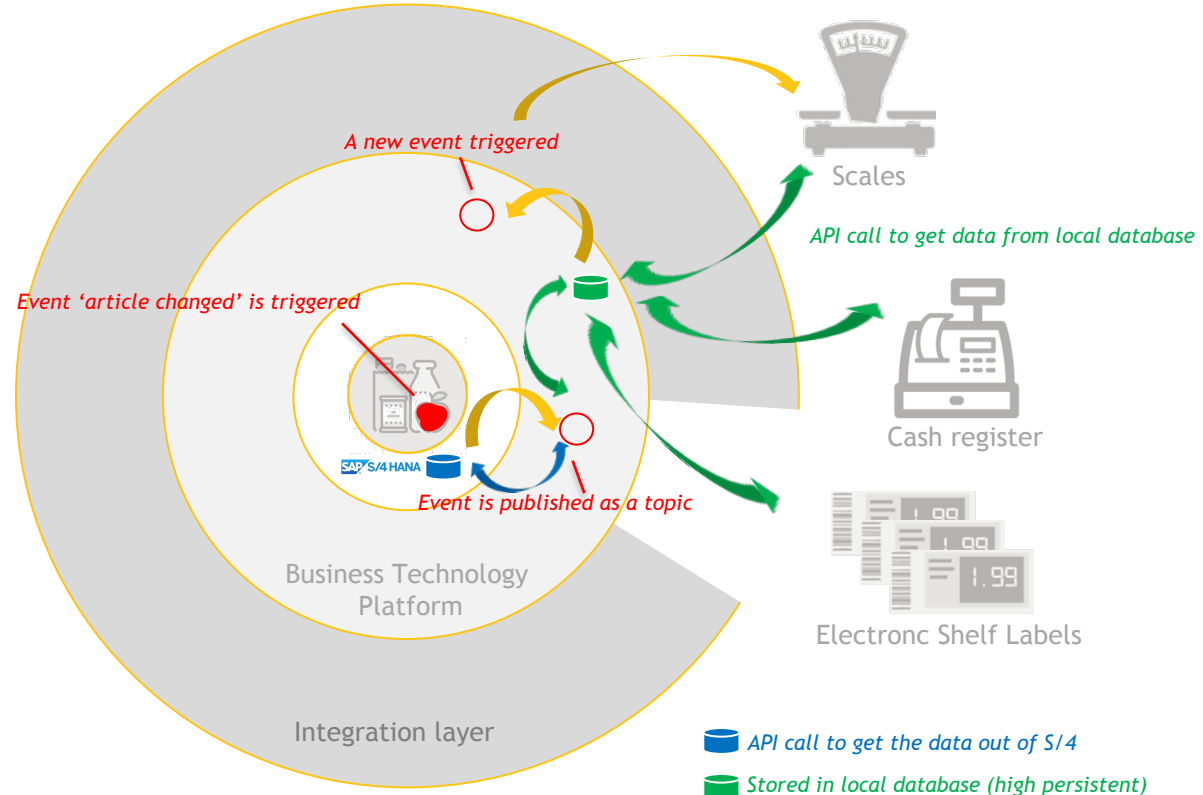
# Future integration

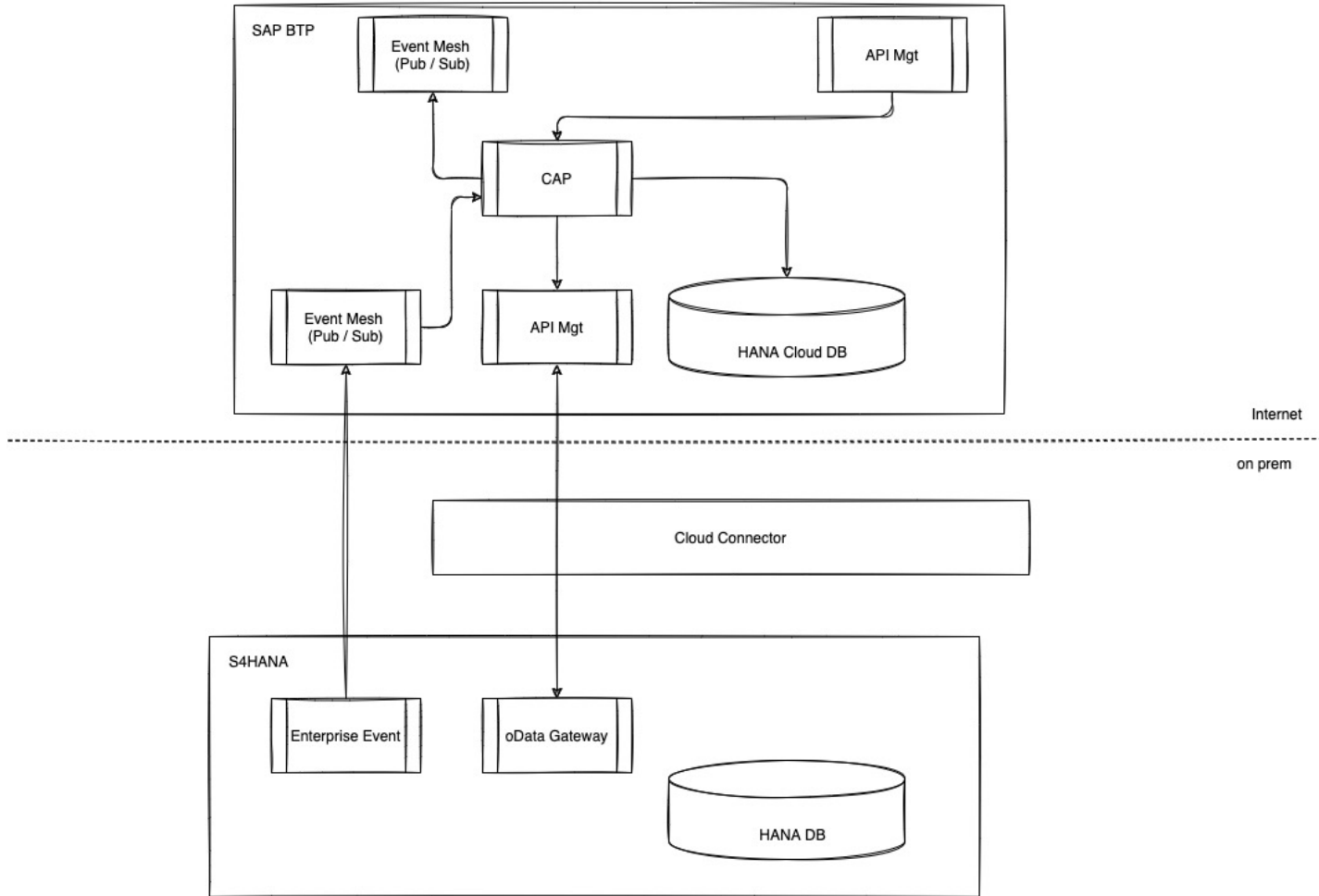
- Adopting a modern integration practise using API's and Pub-Sub.
- Data exposure is built generically 1 time, while data retrieval is specifically build by the target system's team (1 to many)
- SAP Teams use SAP tooling for their part of the integration. (SAP Cloud Platform integration, Events Mesh, API management) Integration team gives advise (QA).
- Business logic can be built in SCP, instead of the S4 core
- Topics and API's are documented in a central place for self-servicing



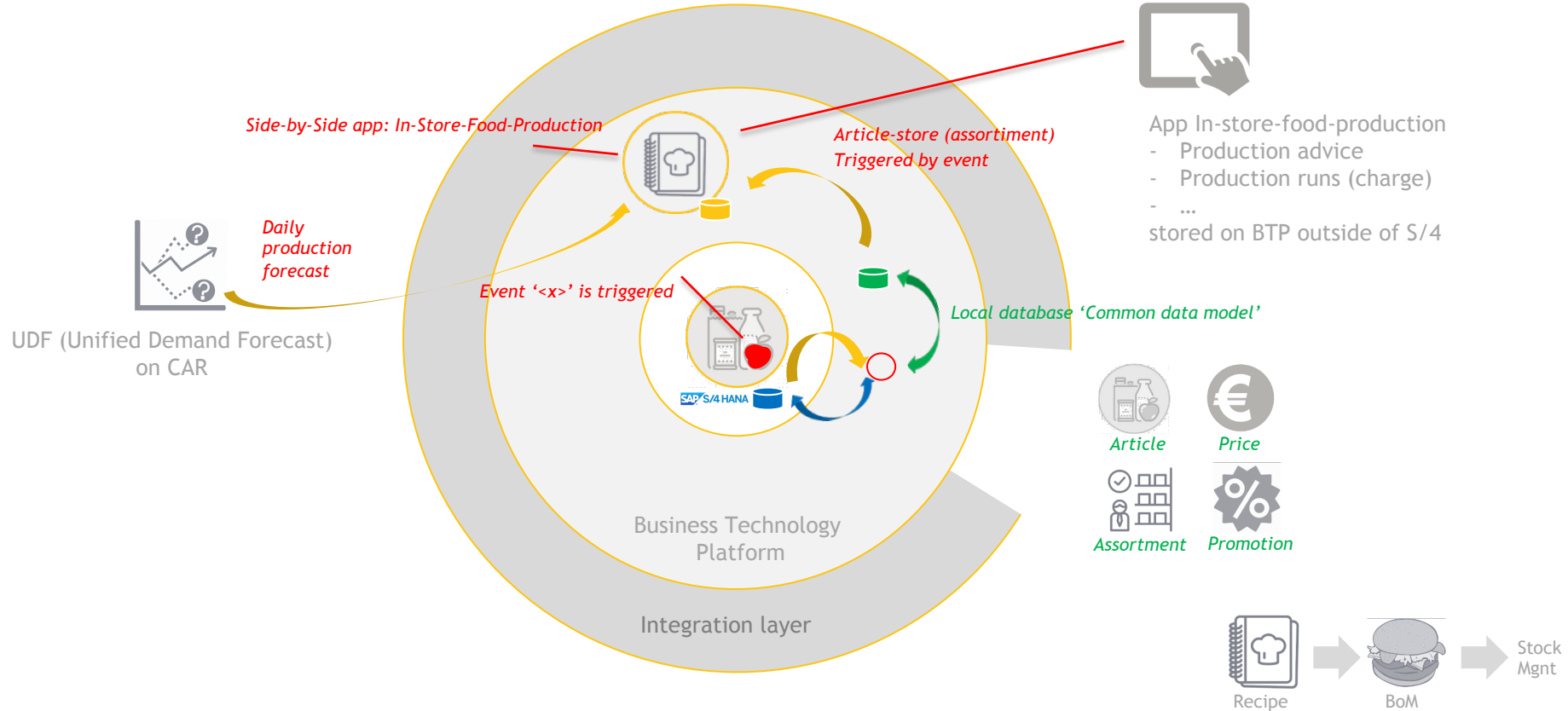


# Example Integration: Masterdata Service on BTP (nieuw)

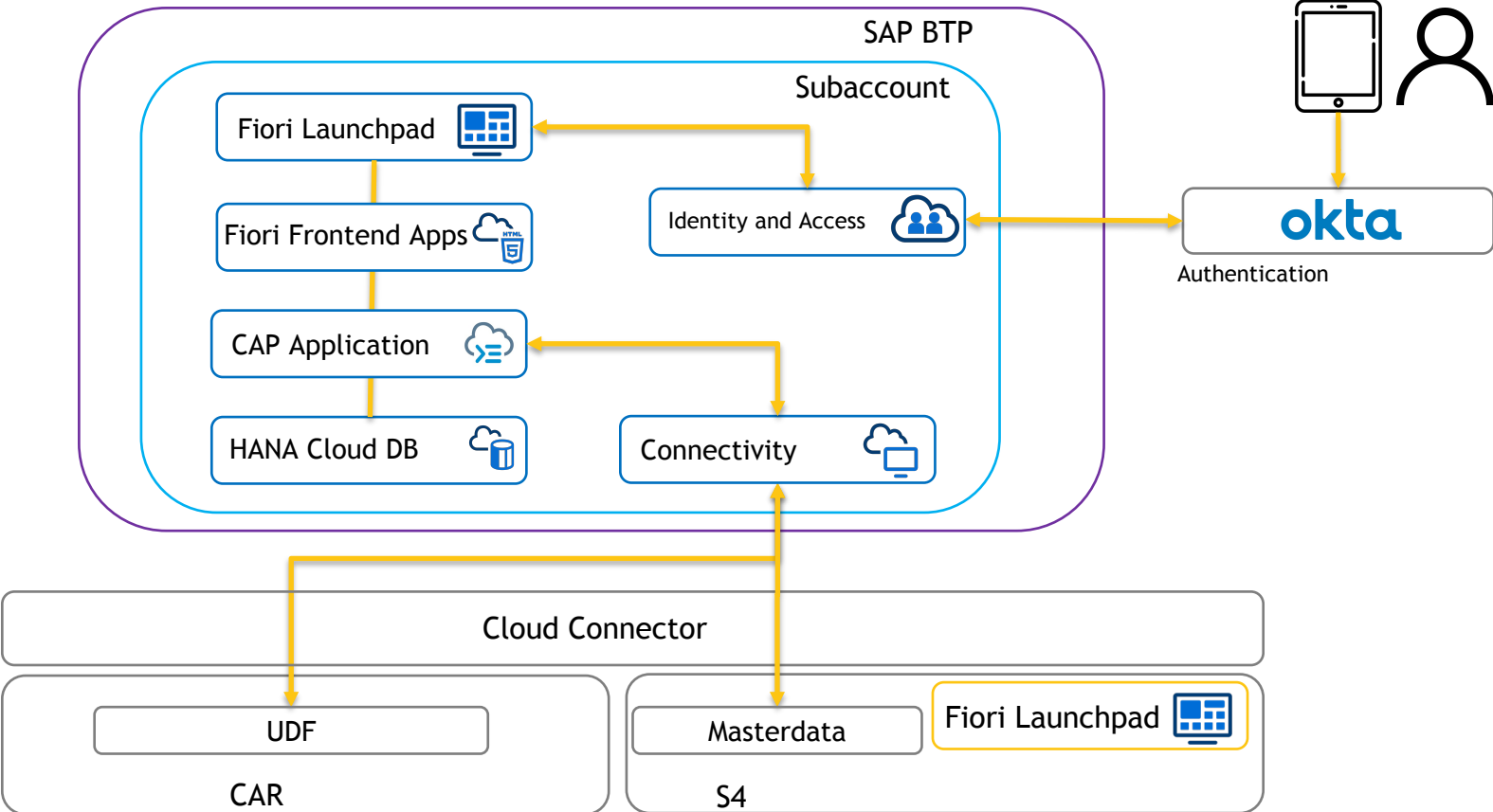




# Example Side-by-Side: In-store-food-production



# High Level Solution Architecture In-Store-Food-Production



# Lessons Learned



- Complexity for developers: landscape, integration, programming concepts, real-time vs batch
- Knowledge/experience - new technologies: ‘fail, learn & enjoy’
- Non functionals:
  - Security challenges (Okta) / authorization
  - Performance
  - Availability
- Mindset/stakeholder buy-in (legacy > 15 years)
- Onboarding SAP AG within Design Authority: ‘proper use of product’
- Dependency of ECC during ‘dual phase’: opt for temporary solutions

Questions?





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# Bedankt voor je deelname

Bekijk op [www.VNSGFocusOnline.nl](http://www.VNSGFocusOnline.nl) welke sessies er nog meer zijn!

**JUMBO**