SAP Hybris YaaS on AWS

May 2017 – Dr. Andreas Binder – Chief Cloud, Head of Development SAP Hybris YaaS

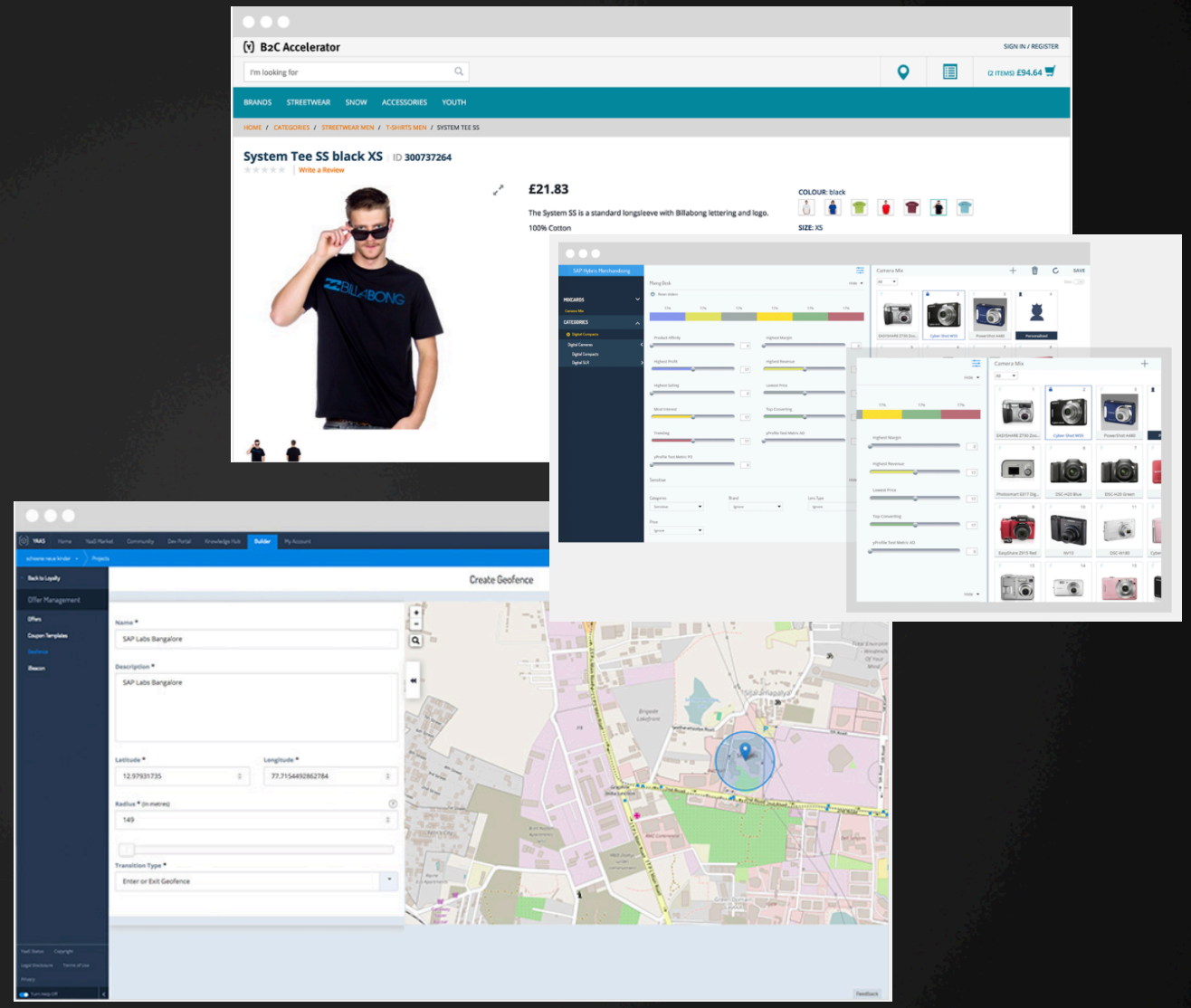
SAP Hybris

The front office of
SAP

Products to engage with customers

SAP Hybris products for

- Commerce
- Marketing
- Sales
- Service
- Revenue
- YaaS



The vision …

YaaS.io

Reinvent your world

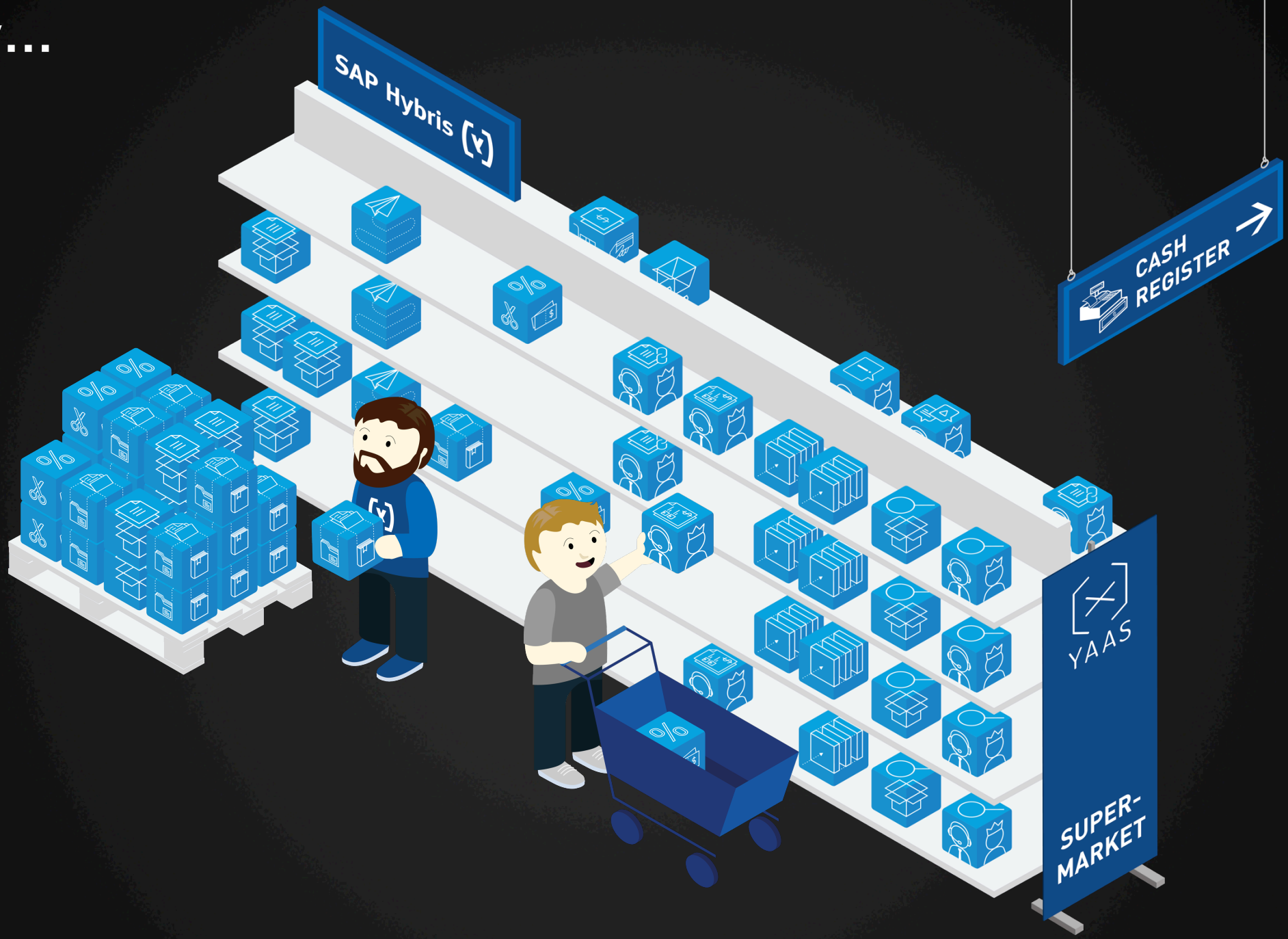
Our mission – reinventing the front office

YaaS is the fastest way to create, extend and sell innovative apps and services, connecting enterprises directly to customers to generate new digital streams of revenue.

Our mission – reinventing the front office

Delivered as cloud-native framework for building microservices based apps, YaaS provides a workbench, mashable building blocks, data connectivity, and a digital marketplace.

Or easy…



Create and sell digital products and services fast

1

Select SAP services from the SAP Cloud Platform Marketplace, and those from 3rd parties, e.g. AWS

Build your own service and extensions using development tools you choose

SAP

SFDC

AWS

2

YaaS Service Catalog

$

YaaS marketplace

3

Choose services to commercialize as new digital products for our customers on our own app store.

Get partners to build apps and make money when they sell.

3 primary use cases

Create

- Create new cloud-native apps using microservices, mash together with a catalog of pre-packaged application services from SAP, AWS, Azure and beyond.

Extend

- Plug into and extend SAP and other applications to customize, innovate and create new types of customer experiences and commerce

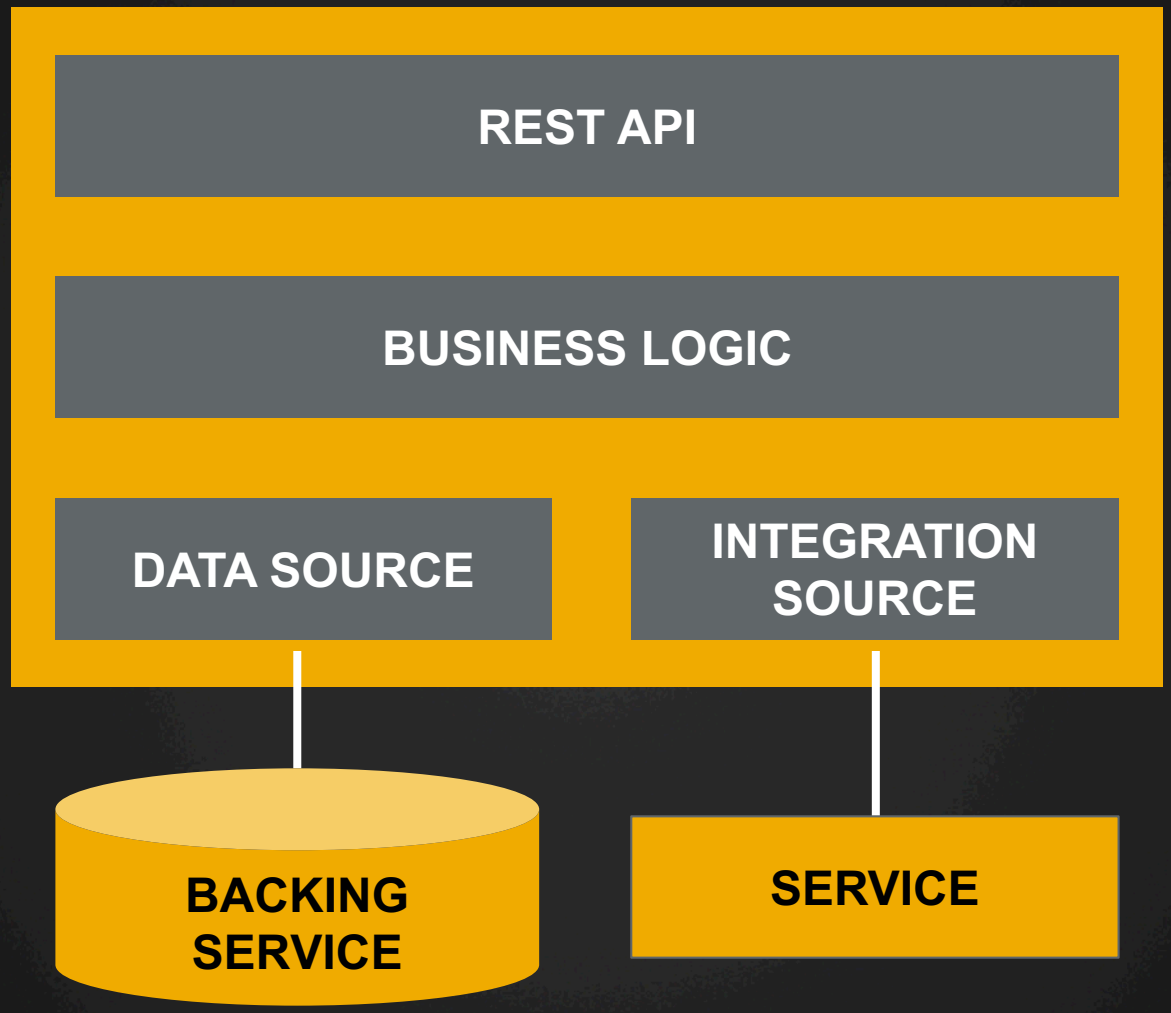
Sell

- Sell new digital services using our app store to create new streams of revenue

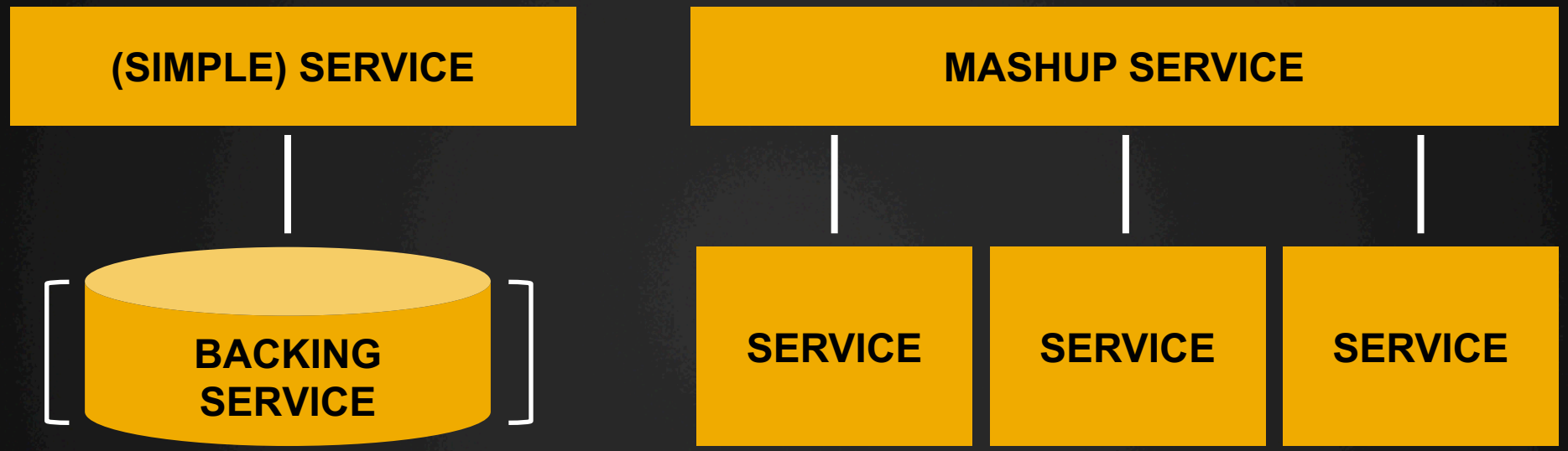
YaaS.io @ AWS

Strong partners
together

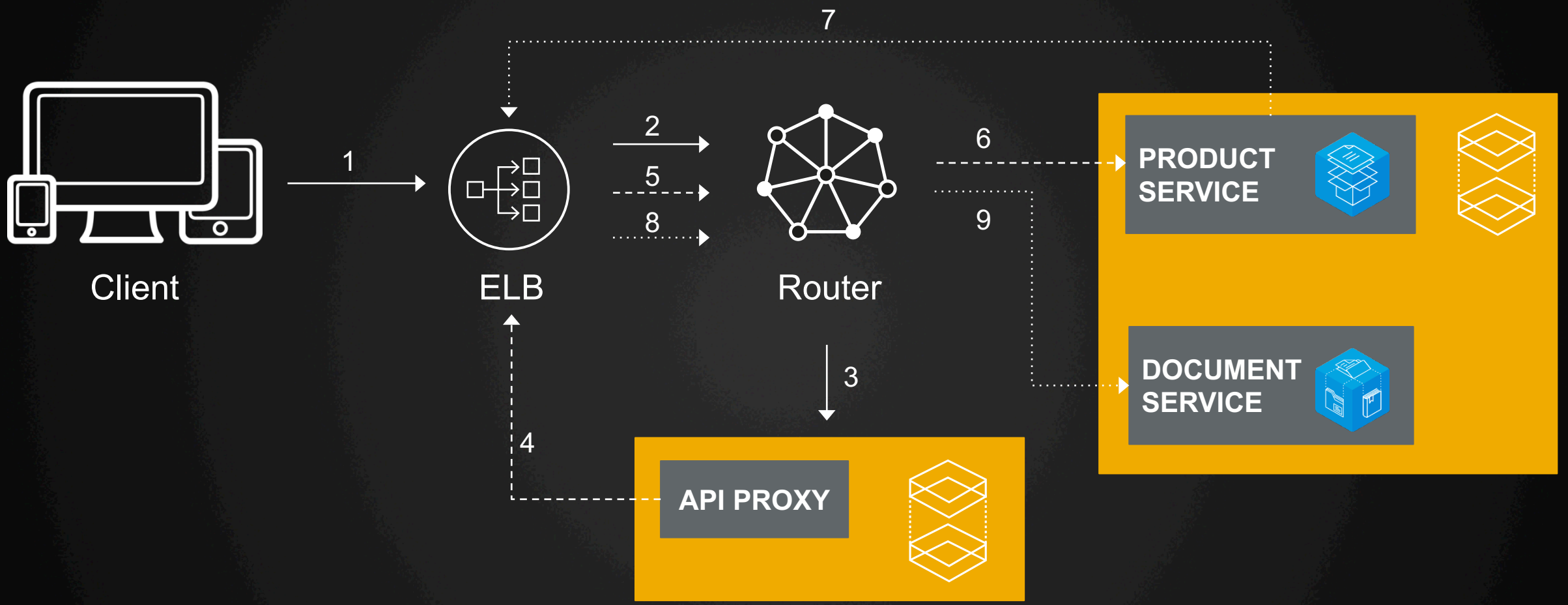
The anatomy of a YaaS microservice



What YaaS microservice types exist



The full call stack when using the product service[1]



1 Assuming that the OAuth token was already fetched

YaaS.io @ AWS

Amazon as IaaS used for

- Backing service (mongo, kafka, cassandra, redis, etc.)
- Cloud Foundry

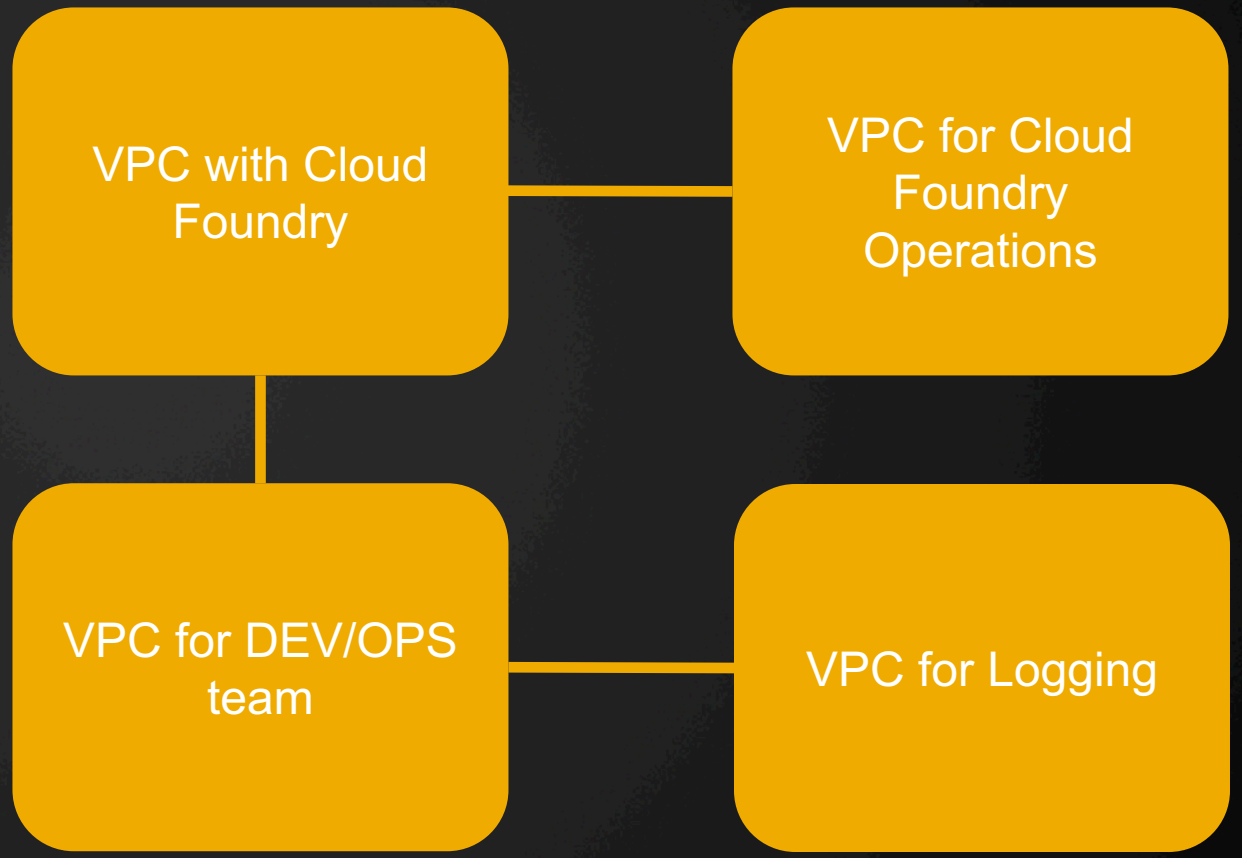
YaaS Amazon Web Service assets

- Amazon Route 53
- AWS Elastic Load Balancer
- Amazon Elastic Compute Cloud (EC2)
- Amazon Virtual Private Cloud (VPC)
- Subnets
- Availability Zones
- Amazon Simple Storage Service (S3)
- AWS Identity and Access Management (IAM)

VPC architecture helps for small DEV/OPS

Teams are independent!

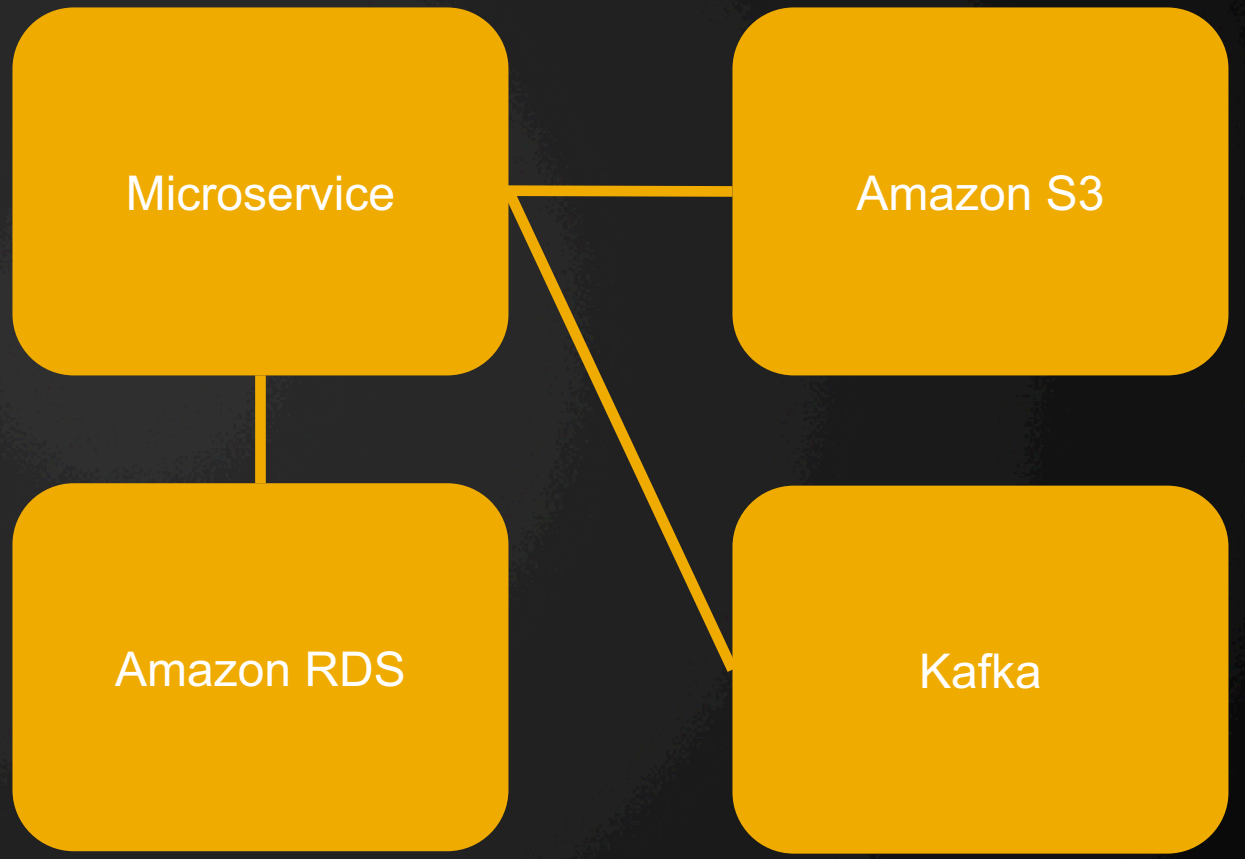
- **Clear responsible areas**
- **Full cost control of own account**
- **No access for other teams**
- **Small Disaster Recovery concepts**
- **Fast incident handling**



More time for innovation

Teams want to innovate!

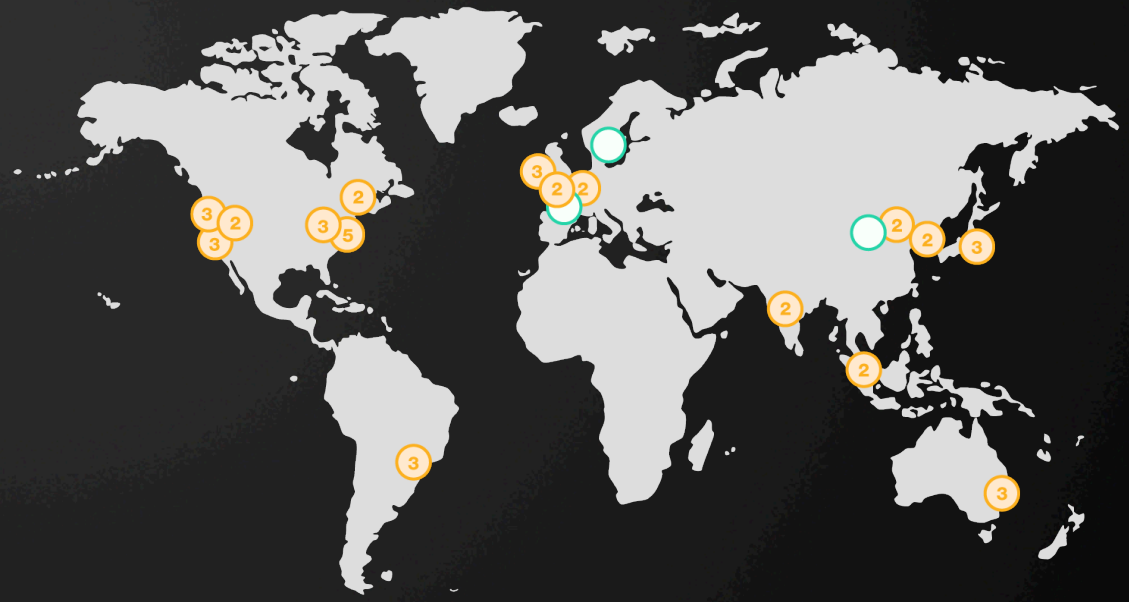
- **Small teams can focus on their innovation**
- **Only own backend services which are essential must be operated**
- **No overhead for standard storage operations**



Fast Go-To-Market

Reduce complexity for business

- **Standard roll-out in different regions**
- **Focus on legal topics and not on technical challenges**
- **Similar contracts for customers**
- **Easy resource planning**



Security out of the box

Security is essential part of the whole system

- **Small scopes for certification**
- **AWS has all typical certifications as good baseline**
- **Advanced IAM**
- **MFA out of the box**
- **Basic DDOS protection in place (AWS Shield)**

Q&A

Thanks for listening

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