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YaaS – Hybris in a blink of an eye

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Agenda

- 1 What is Hybris?*
- 2 YaaS*
- 3 Services*
- 4 Builder*
- 5 Integration in Spring*
- 6 Proof of concept*
- 7 YaaS and IoT*

What is Hybris?

- company that sells enterprise multichannel e-commerce and product content management software
- Platform for building e-commerce solutions



YaaS *What is YaaS?*

- Hybris as a Service
- Micro-service architecture
- Wide range of diverse business services
- It's not meant to replace Hybris Commerce
- Ability to write and sell your own services

YaaS

Why Yaas?

- Scalable
- Platform agnostic
- Easy to use and integrate
- Good documentation!

YaaS

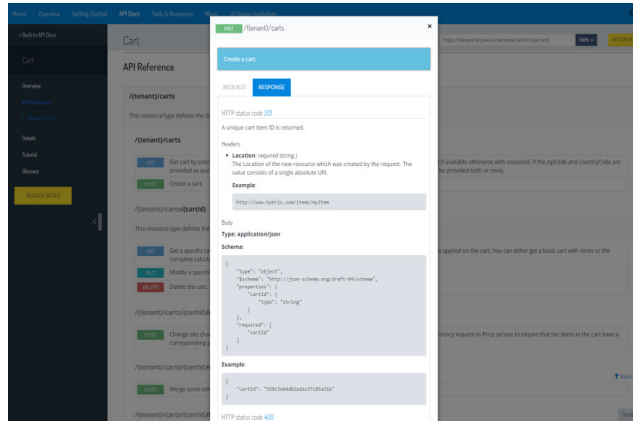
YaaS market

- Currently in Beta (except for US)
- Packages for e-commerce services (Cart, Checkout...)
- Payment per API call
- Develop your own packages and publish them on market (coming soon?)

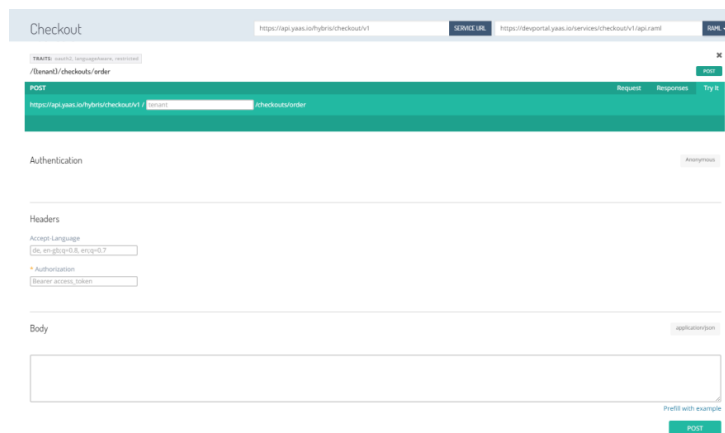


YaaS YaaS APIs

- RESTfull
- RAML
- Secured
- Well documented



YaaS API console



Services

Cart

- Create cart
- Get cart
- Merge carts
- Get items in cart
- Apply/delete discounts in cart
- Cart calculation



Cart
SAP Hybris

Services

Checkout

- Validate data
- Capture the payment and create and order
- Get specific checkout
- Retry checkout
- Easy integration with Stripe



Checkout
SAP Hybris

Services

Customer management

- Get customer/customers
- Insert/update customer address
- Social network login
- Login
- Signup
- Logout
- Reset password



Customer Accounts
SAP Hybris

Services

Product content

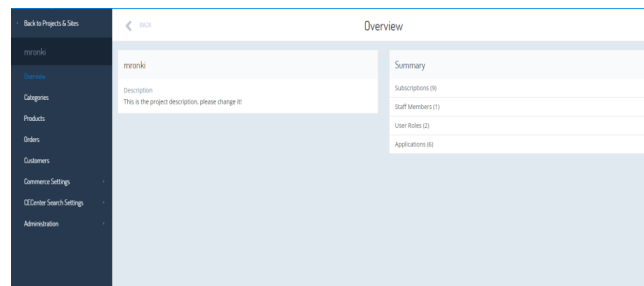
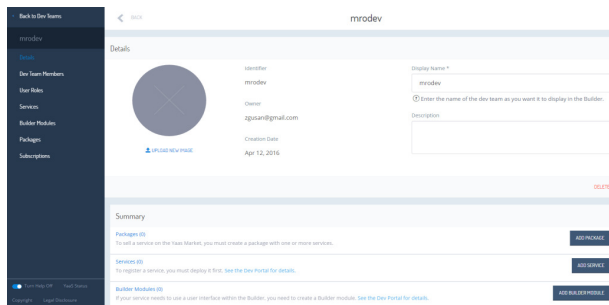
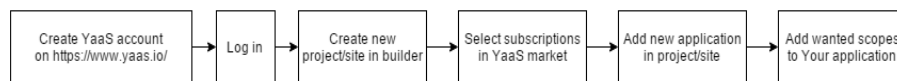
- Get products
- Create products
- Configure products
- Create categories
- Algolia Search



Product Content
SAP Hybris

Builder

- Dev team
- Project/Site



Integration in Spring

- Maven plugins for generating classes from RAML

```

<plugin>
  <groupId>com.sap.cloud.yaas.service-sdk</groupId>
  <artifactId>service-sdk-generator-maven-plugin</artifactId>
  <version>${service-sdk.version}</version>
  <executions>
    <execution>
      <id>{id}</id>
      <goals>
        <goal>generate-client</goal>
      </goals>
      <configuration>
        <sourceRamlUri>{path}/api.raml</sourceRamlUri>
        <basePackage>{package}</basePackage>
      </configuration>
    </execution>
  </executions>
</plugin>

```

- Building requests using generated service classes

```

Response response = cartCalculationClient.tenantCalculation("mronki").preparePost().withAuthorization("Bearer
"+token).withPayload(payload.toString()).execute();





```

Proof of concept

- No previous experience in Hybris
- Web shop created in less than two weeks
- Java Spring
- Bootstrap for frontend
- Features
 - Anonymous and logged in customers
 - Cart, checkout, product list, product details, account management, order management...
 - Admin console (Spring Security)

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Web shop PRODUCTS YOUR ORDERS CART (1) PROFILE LOGOUT

Image	Name	Description	SKU	Price	Currency	SELECT
	Bread	Warm bread	1	100.0	USD	SELECT
	Notebook	This is pretty nice notebook	1111	1.0	USD	In cart
	Dishwasher	Nice dshwasher	3	99.99	USD	SELECT
	Milk	Cold milk	2	5.0	USD	SELECT

stripe Dashboard Documentation Help & Support Your account

LIVE TEST Search...

GENERAL

- Dashboard
- Customers

TRANSACTIONS

- Payments

\$0.00 Last transfer

\$0.00 Next transfer

1 Total customers

\$1,145.96 Total volume (USD) Test

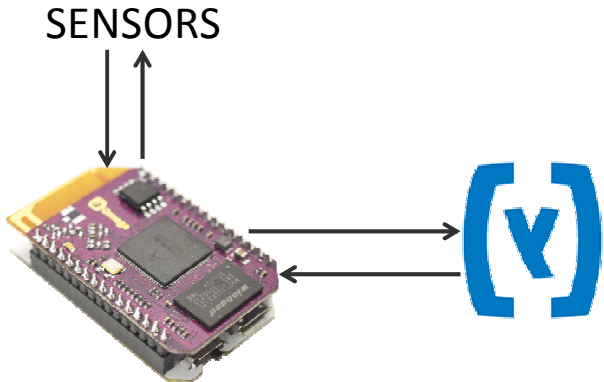
Overview to

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YaaS and IoT

- Bringing e-commerce to microcontrollers and microcomputers
- Hybris Labs

SENSORS



Questions?



Thank You

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