

Business Process as a Service BPaaS Execution

Training Material



funded by EC in H2020

CloudSocket

Motivation of BPaaS bundle usage

MOTIVATION

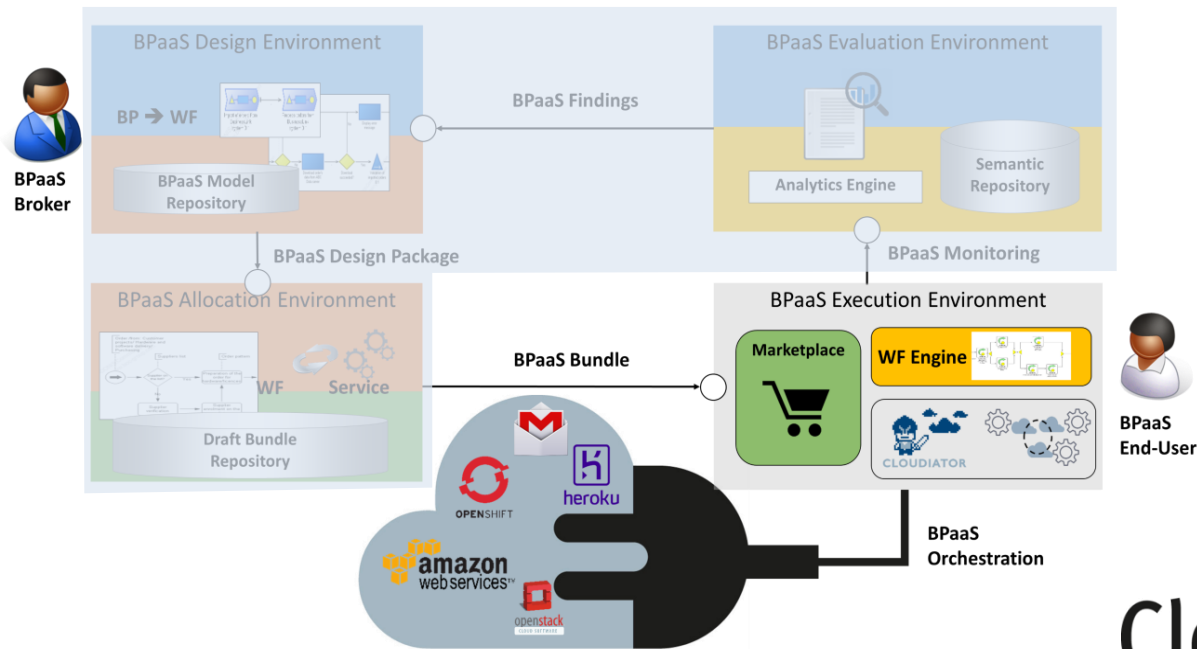
Why to use BPaaS bundles?

- Business process help to:
 - automatization of repetitive actions
 - improve the tasks efficiency
 - Orchestration of heterogeneous actions (third party service)
 - Reduction of errors and easy handover among members of departments.
- Not all the companies needs to use business process depending on their maturity, flexibility and adaptability.
- Brokers can help the companies to decide which is the best solution in each moment.
 - SaaS Offering
 - BPaaS consulting
 - BPaaS product



Where do we are in the BPaaS lifecycle?.

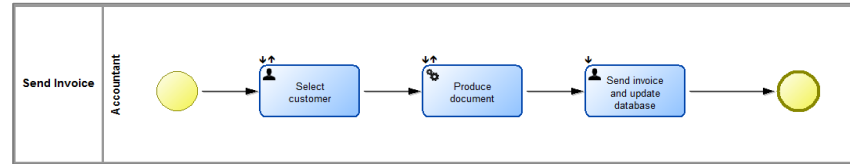
- The executable BPaaS bundles are business processes that have been identified, analysed and they are ready to be used into an operation environment on the Cloud (IaaS, PaaS and SaaS).
- This training is focusing on how to use the deployed workflows associated to the purchased BPaaS bundles at the execution environment.



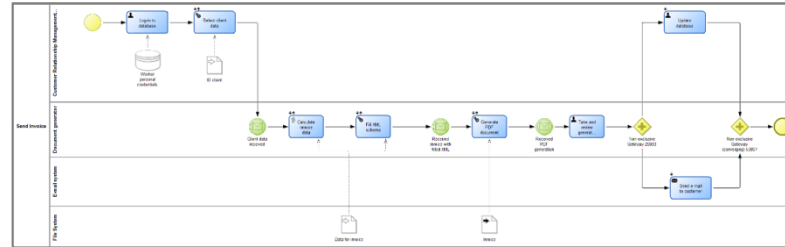
CloudSocket

Composition of BPaaS bundles

Business Process Model
Description of Business Case (BPMN)



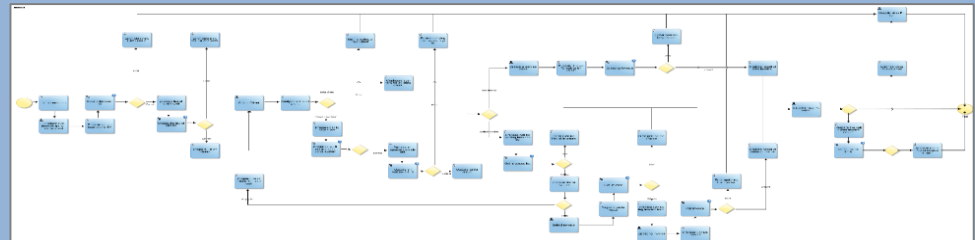
Abstract Workflow Model
Description of possible realisation (BPMN)



Used in the execution environment

Used at this training

Concrete (Executable) Workflow
Implementation of executable Workflow (BPMN)



Camel training

Cloud Deployment Configuration
Configuration of Cloud Application (CAMEL)

```

-<camel:CamelModel xmi:version="2.0" name="BundleCamelModel">
  <applications name="ApplicationModel" version="1.0" description="This is the CAMEL file generated by the Allocation Environment" owner="//@organisationModels.0/@users.0"/>
  <organisationModels name="OrganisationModel">
    <organisation name="Mathema" www="" postalAddress="" email="">
      <users name="Owner" email="simone.cacciatore+allocation_mathema@fhoster.com" firstName="" lastName="">
        <cloudsocketCredentials password="not necessary for CloudSocket"/>
      </users>
    </organisationModels>
  </camel:CamelModel>
  
```

CloudSocket

BPaaS bundle Demonstration

This training aims to introduce:

- ▶ the orchestration of cloud services
- ▶ how to execute the purchased BPaaS bundles
- ▶ how to use the Workflow Engine, which is responsible to manage the executable workflows
- ▶ how to configure the environment to call third parties services such as Send Invoice, Microsoft CRM, Facebook and Dropbox.

Other related trainings:

- ▶ Marketplace component → Marketplace training
- ▶ Create deployments based on CAMEL → CAMEL Training
- ▶

What this training is not:

- ▶ an introduction of how to execute workflows based on BPMN and their philosophy
- ▶ an introduction of how to use third party services and their functionalities.

It is based on:

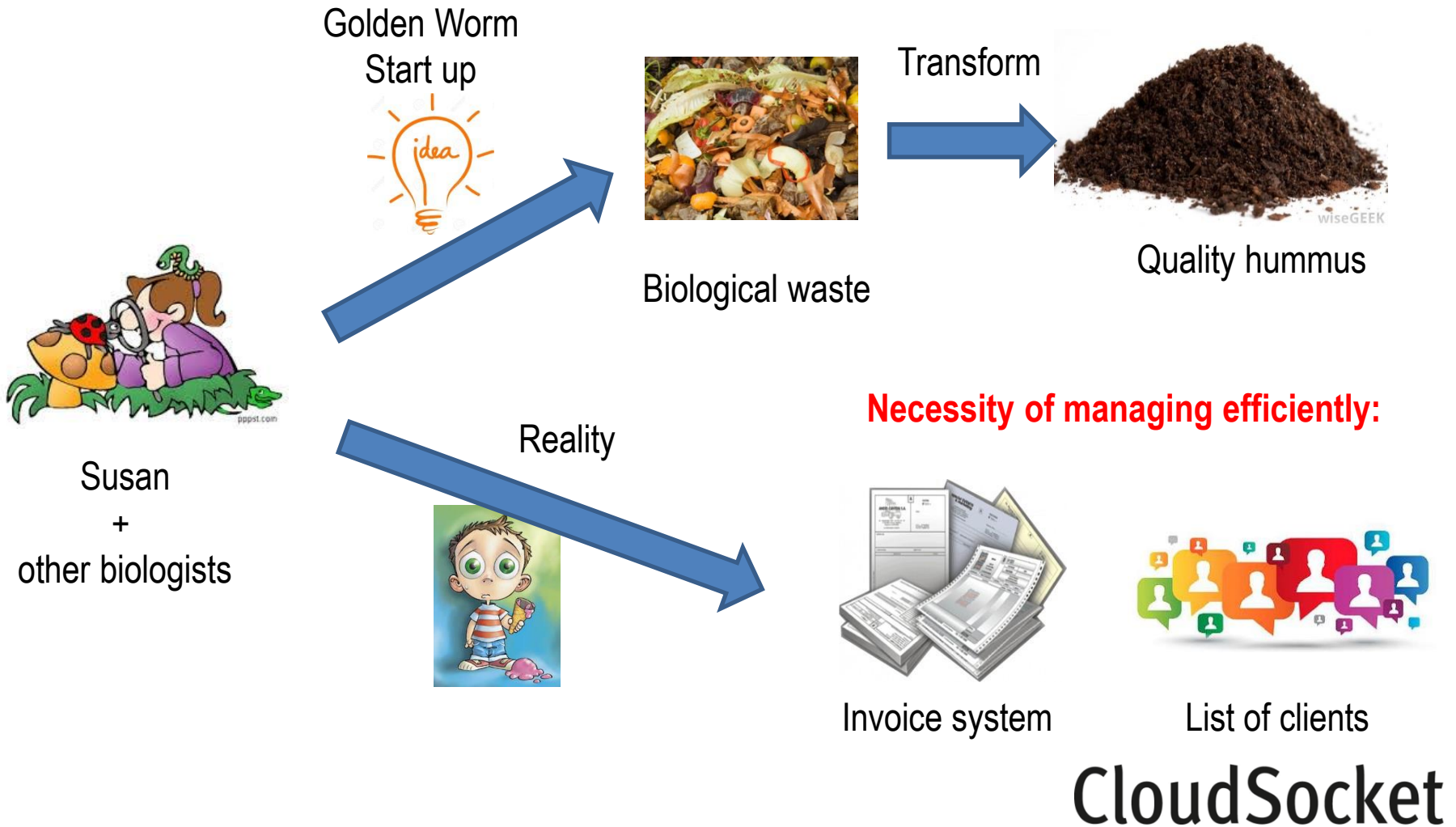
- ▶ Send Invoice BPaaS bundle example

CloudSocket

Sending Invoice bundle

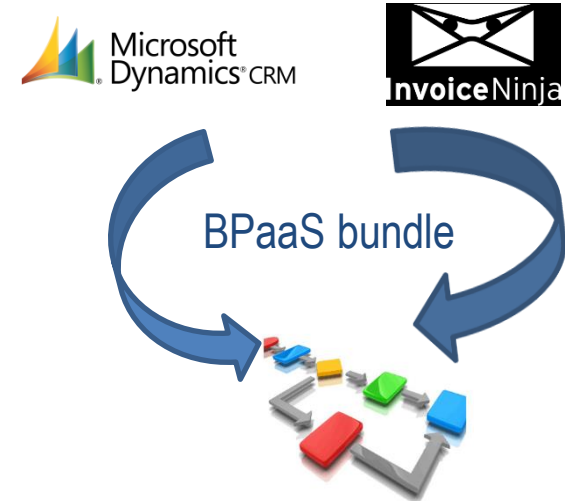
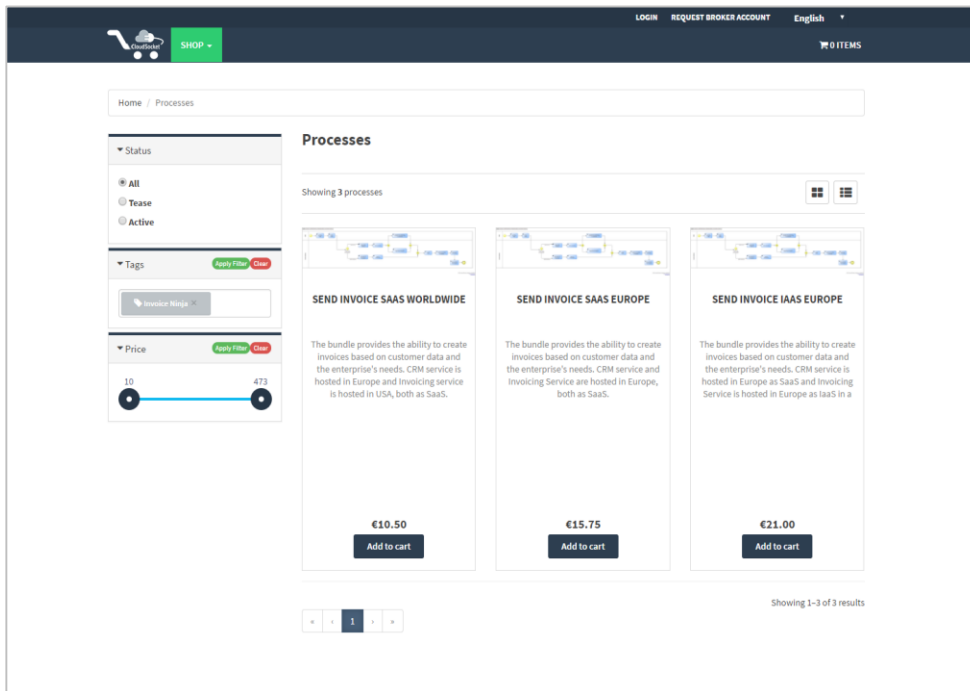
BPAAS BUNDLE

Storyboard of the “Invoicing BPaaS” Demonstration



“Invoicing BPaaS” Demonstration

- Susan accesses to the CloudSocket Marketplace and she finds three BPaaS bundles to cover the invoicing requirements.
 - Send Invoice SaaS Worldwide operated outside Europe
 - Send Invoice SaaS Europe operated inside the EU
 - Send Invoice IaaS Europe operated by the own SME.
- For this training the behaviour will be the same after the BPaaS bundle deployment → see *Deployment Training*.

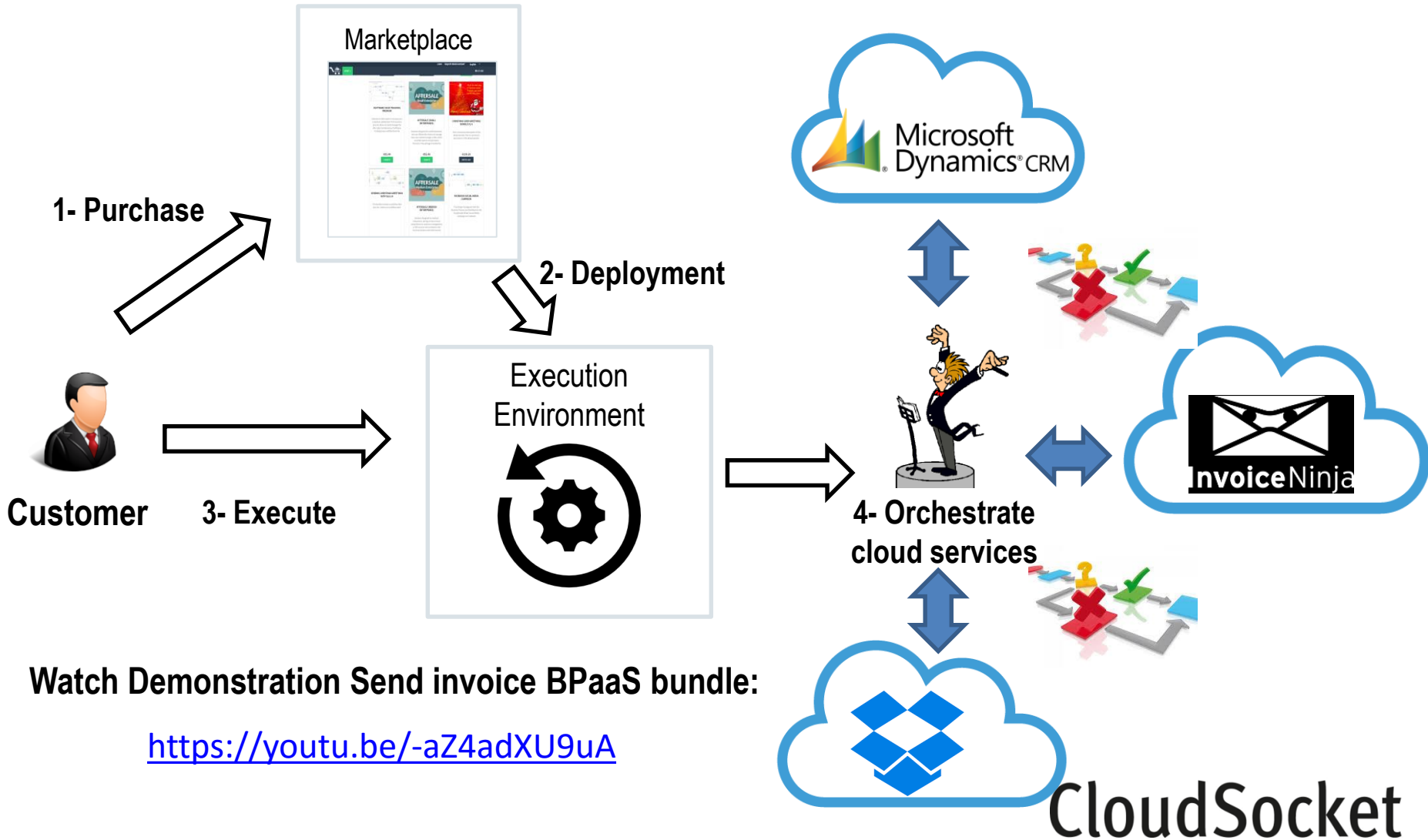


<http://csmarket.ymens.com>
Marketplace Training for more details

CloudSocket

“Invoicing BPaaS” Execution

Orchestration of cloud services, creating added value for the customer



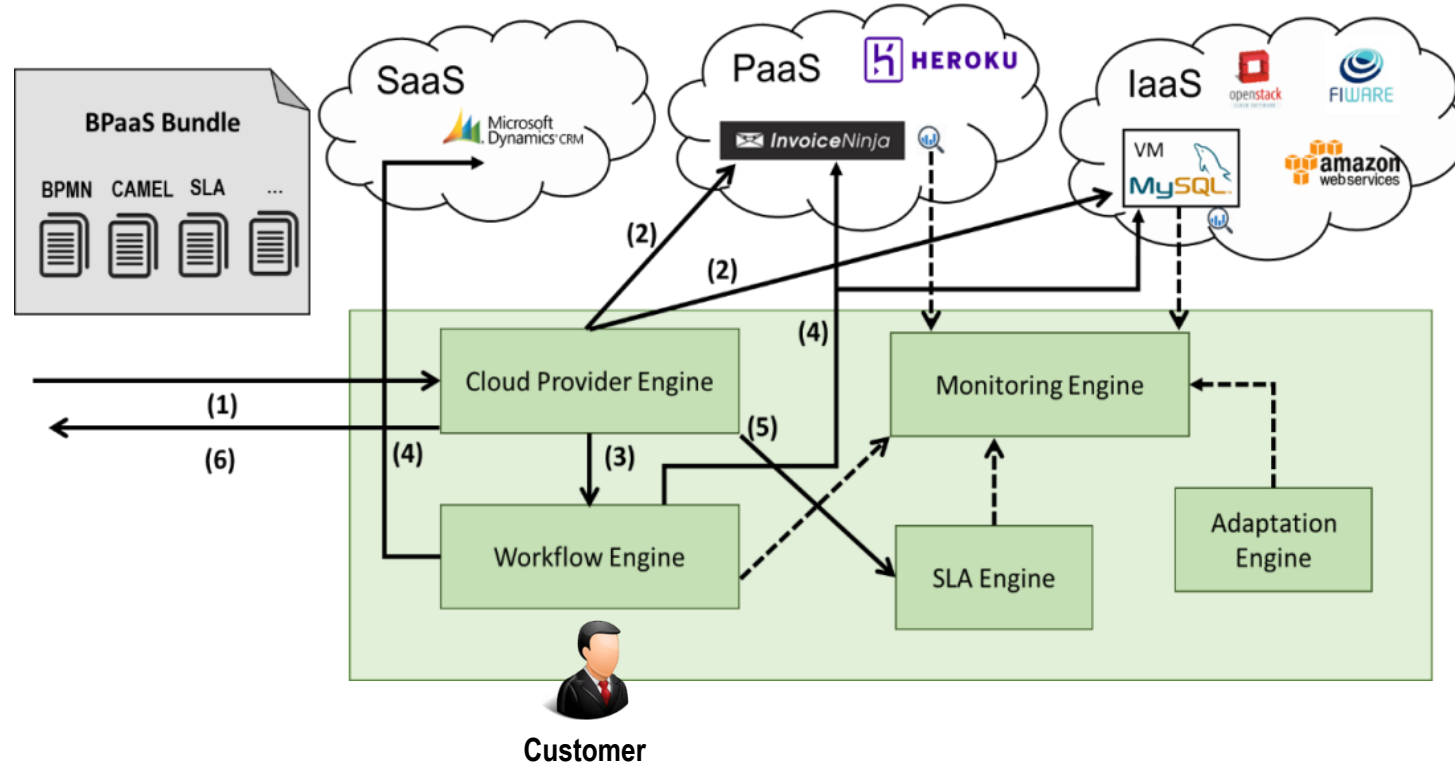
Watch Demonstration Send invoice BPaaS bundle:

<https://youtu.be/-aZ4adXU9uA>

“Invoicing BPaaS” Deployment

What are behind the simple click in Marketplace cart?

All the steps are automatic and completely transparent for Golden Worm Startup.



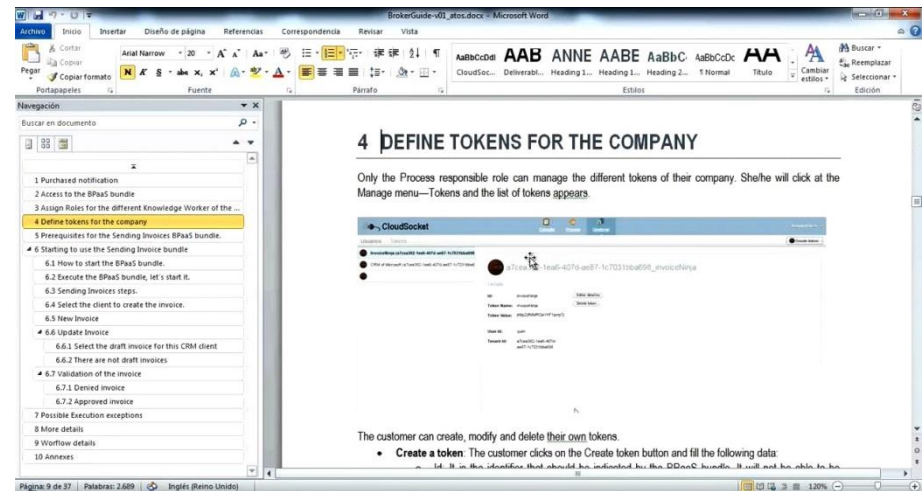
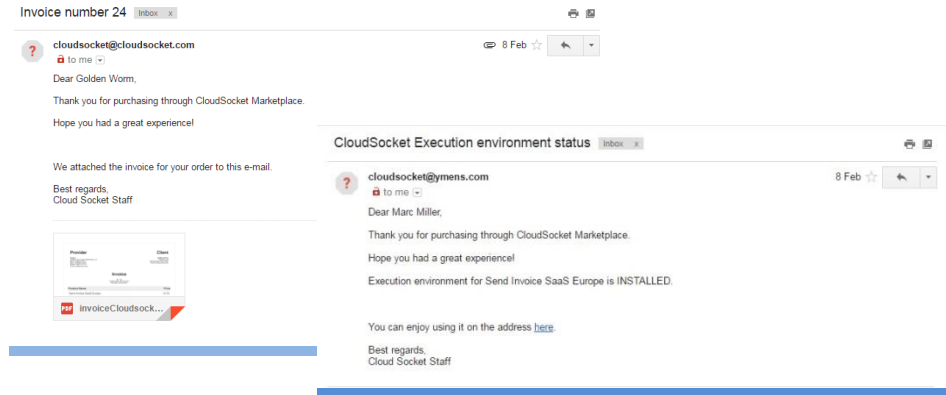
Go to the “Deployment training” to see the Cloud Deployment & the “Camel training” to understand the cloud descriptor used on the deployment.

CloudSocket

“Invoicing BPaaS” ready to be used

How to start?

- ▶ Susan receives two emails:
 - ▶ Invoice of the purchased BPaaS bundle
 - ▶ Confirmation that the bundle has been deployed and the link to use it
<http://134.60.64.132/activiti-explorer>
- ▶ Every bundle has associated handbooks in order to perform their configuration, detailed at D5.4 CloudSocket BPaaS Execution Environment at user side.



CloudSocket

“Invoicing BPaaS” ready to be used

How to configure the environment and the bund?

- ▶ The administrator of Golden Worm start-up has to manage his users and configure the token to connect with the third parties services.

The image displays two screenshots of the CloudSocket web interface. The left screenshot shows the 'Tokens' management page. The top navigation bar includes 'CloudSocket', 'Usuarios', 'Tokens', and 'Detalle'. The left sidebar lists 'CRM of Microsoft' and 'Invoice Ninja'. The main content area shows details for the 'CRM of Microsoft' token, including its ID, name, value, user ID, and tenant ID. The right screenshot shows the 'Users' management page. The top navigation bar includes 'CloudSocket', 'Usuarios', 'Tokens', and 'Detalle'. The left sidebar lists 'Marc Miller' and 'Susan Smith'. The main content area shows details for the 'Marc Miller' user, including their name, email, and a table of groups they belong to.

- ▶ Therefore, the bundle is ready to be used and orchestrate the cloud services: Microsoft CRM and Invoice Ninja (depending on the deployed configuration IaaS, PaaS or SaaS)

CloudSocket

“Invoicing BPaaS” ready to be used

Execution of the instance workflow

The customer only need:

- ▶ start a new instance of the deployed workflow;
- ▶ claim the assigned tasks by groups or departments;
- ▶ follow the different steps that appear in the dashboard in order to fulfil the actions.

The image displays two screenshots of the CloudSocket dashboard interface. The left screenshot shows the 'Accounting' workflow with a table of tasks. The right screenshot shows the 'Select Client' form with a list of clients.

Accounting Workflow Table:

ID	NAME	PROCESS	ACTIONS
157500	Create a new invoice	SendInvoiceSaaSEuropeV2	

Select Client Form:

Form title: Select Client

Form content:

Esta consulta no dispone de descripción establecida.

Resellene el formulario que aparece a continuación y complete la tarea:

- 0-Abs - http://www.atos.net [Main Contact: joaquin Iranzo@atos.net]
- 1-Bacon - http://www.bacon.de [Main Contact: Liang@bacon.de]
- 2-La Noguera - http://www.lanoguera.es [Main Contact: joaquin Iranzo@atos.net]
- 3-Bellafore - http://www.bellafore.es [Main Contact: joaquin Iranzo@atos.net]
- 4-Mathema - null [Main Contact: andrea.popovic@mathema.com]
- 5-StatensCozum - null [Main Contact: stefano.cuomo@mathema.com]
- 6-TestBroker - null [Main Contact: stefano.cuomo@mathema.com]

Do you want create a new invoice?

There are not draft invoices for the client La Noguera - http://www.lanoguera.es

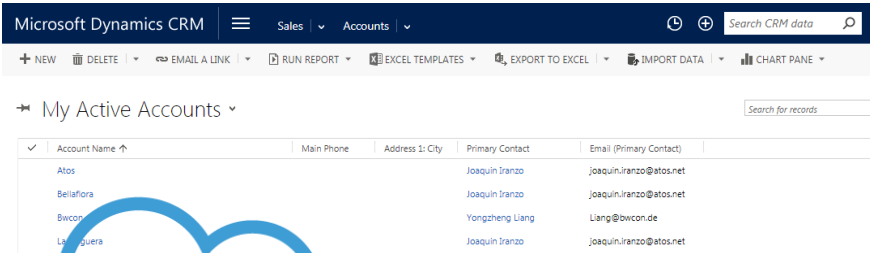
Message:

Buttons:

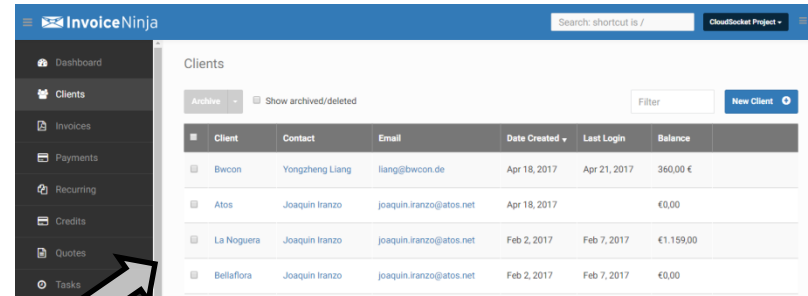
CloudSocket

Invoicing BPaaS ready to be used

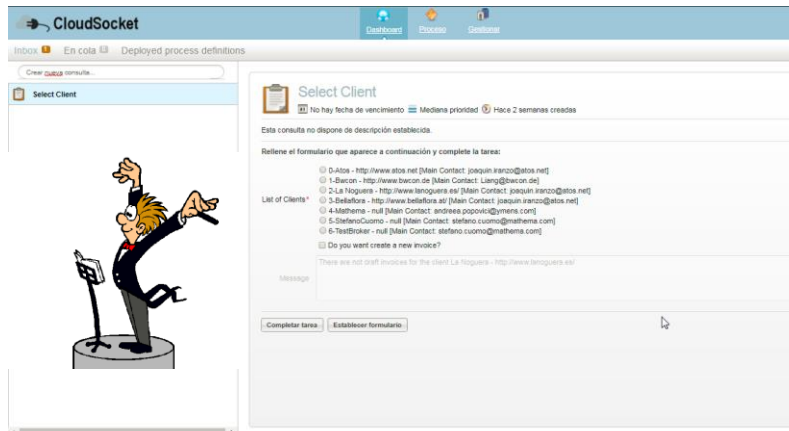
Orchestration of cloud services, creating added value for the customer



1- Obtain clients

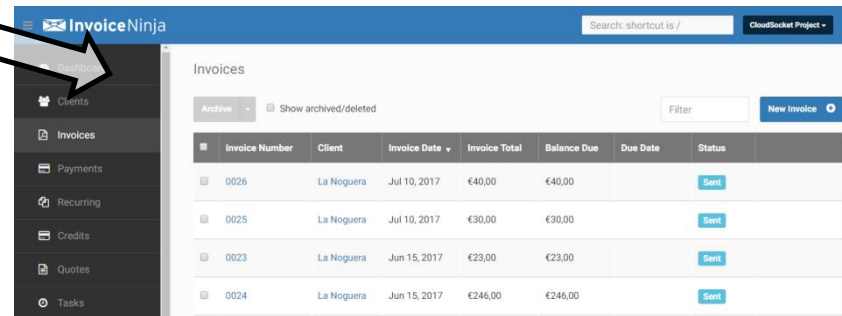


2 - Synchronize clients



Workflow Engine

3 - Invoices management (create/update/send)



CloudSocket

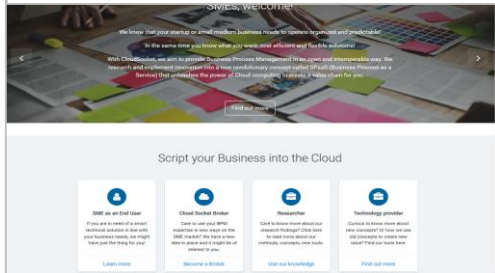
BPaaS bundles ready to be used

Videos and reference how to use the BPaaS bundles

- ▶ Demonstrations:
 - ▶ Send Invoice Scenario <https://site.cloudsocket.eu/demonstration-end-user-perspective-2>
 - ▶ Christmas Cards Scenario <https://site.cloudsocket.eu/demonstration-end-user-perspective>
- ▶ Available Documents (<https://site.cloudsocket.eu/deliverables>)
 - ▶ Technical details of Execution components → D4.6/D4.7/D4.8 - Final BPaaS Prototype & D5.4 CloudSocket BPaaS Execution Environment at user site
 - ▶ Customer perspective for the CloudSocket demonstration → D5.4 CloudSocket BPaaS Execution Environment at user site
- ▶ Webinars:
 - ▶ Workflow Engine → https://youtu.be/2d4HT_QYU6w
 - ▶ Marketplace → <https://youtu.be/Nist5A2PZR8>
 - ▶
- ▶ Links
 - ▶ Marketplace → <http://csmarket.ymens.com>
 - ▶ Workflow Engine → <http://134.60.64.132/activiti-explorer>
 - ▶ InvoiceNinja → <https://app.invoiceninja.com> (worldwide) & <http://134.60.64.87> (Europe)
 - ▶ Ymens Microsoft Dynamics CRM → <https://demo2016.platformacloud.ro>

CloudSocket: EU Project

[WEB: cloudsocket.eu](http://www.cloudsocket.eu)



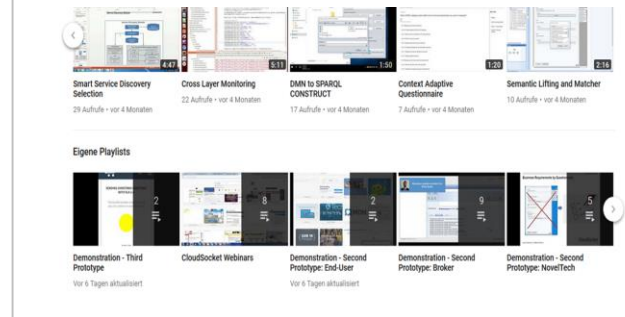
[TWITTER: @cloudsocketeu](https://twitter.com/cloudsocketeu)



Projekt Partner



[YouTube: UC8qbCYS49FfG7S8j5AABpaA](https://www.youtube.com/playlist?list=UC8qbCYS49FfG7S8j5AABpaA)

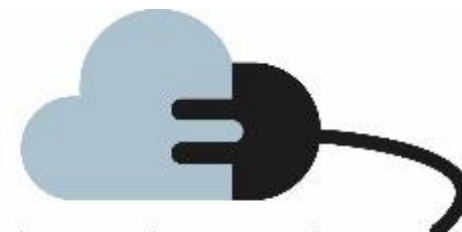


Koordinator

robert.woitsch@boc-eu.com

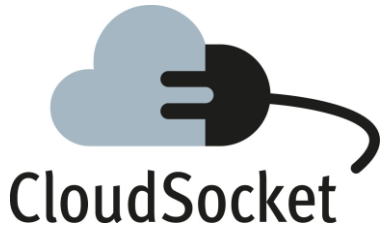
++43-1-905 10 56 - 0

BOC Asset Management GmbH
 Operngasse 20b
 1040 Wien, Österreich



CloudSocket

Stay in Touch



www.cloudsocket.eu

[**@CloudSocketProject**](https://twitter.com/CloudSocketProject)

<https://www.youtube.com/channel/UC8qbCYS49FfG7S8j5AABpaA>

CloudSocket