

# MARKET4.0

CONNECT & PRODUCE

## **A Multi-Sided Business Platform for Plug and Produce Industrial Product Service Systems**

Market4.0 marketplace platform & Redmine  
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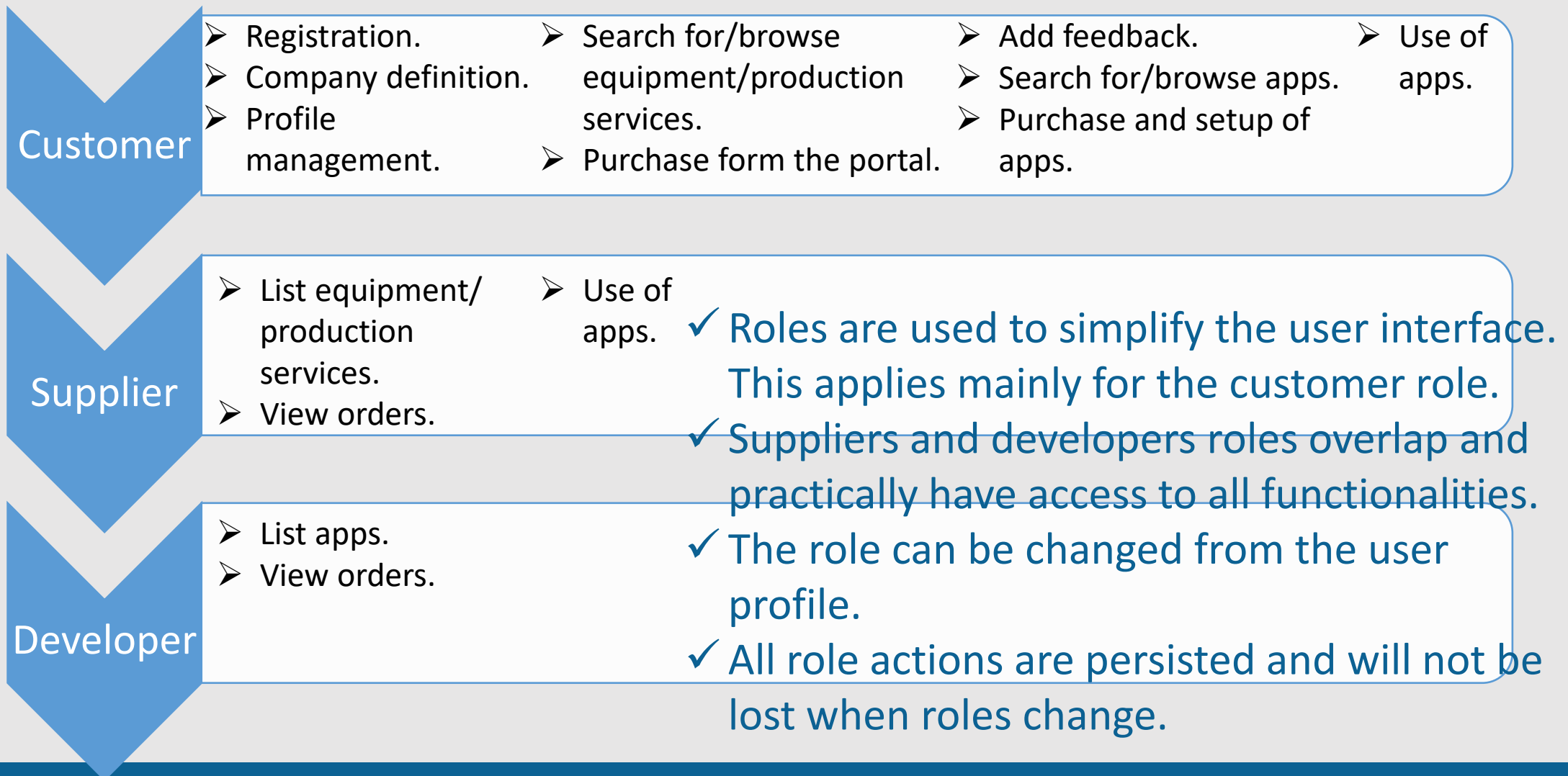
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# Market4.0 marketplace platform and Redmine

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1. Overview of functionalities (business related)
2. APIs for development (development related)
3. Redmine

# Market4.0 marketplace platform functionality overview



## Start with the Market4.0 marketplace

<http://platform.market40.eu>

- ✓ All functionalities from the previous slide are available.
- ✓ An important step to take advantage of most functionalities is to register a user and define the company.
- ✓ Payments are not live. You may use the following test details:
  - Card number 4242 4242 4242 4242, any future date, any CVC, any post code
  - Bank account: DE89370400440532013000
- ✓ We will provide a user guide describing in detail all the functionalities.

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# Developing with Market4.0 marketplace platform

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1. Automate catalogue data entry.
2. Develop your own IDS ordering app and integrate it with the marketplace cart.
3. Single Sign-on.

# Automate catalogue data entry

1. Use the available Restful APIs.
2. For automated data entry you are mainly interested in the methods exposed by:
  - secure-offering-controller
  - property-and-category-controller
  - image-controller
3. Find the description of the API here:  
<http://platform.market40.eu/swagger-ui.html>

## Important notes

- ❖ Methods that require authorization need the header: “Authorization: Bearer token\_value”
- ❖ Internationalization requires the header: “Accept-Language: Alpha-2\_country\_code”  
Right now we only support codes: EN, ES, FR, IT, DE. This excludes user generated content.

secure-offering-controller		
GET	/api/offering/{id}	🔒
DELETE	/api/offering/{id}	🔒
POST	/api/offering/add	🔒
POST	/api/offering/add /images	🔒
GET	/api/myofferings	🔒
GET	/api/offering/	🔒
GET	/api/offering/rdp/{id}	🔒

# Integration with the marketplace cart

- The marketplace uses its own connector to communicate with IDS apps. For the case of the ordering apps it will send an appropriate IDS message with a payload of the class `TenderBidListDto` in JSON.
- The ordering app through its connector has to be able to intercept and interpret the message payload. You may find the message spec at: <http://platform.market40.eu/swagger-ui.html>

```
TenderBidListDto {
  bids
  id
  destination
  status
}

[TenderBidDto {
  id
  cartItems
  origin
  destination
  status
  startDate
  dueDate
}]
integer($int32)
string
string

[CartItemDto > {...}]
CompanyDto > {...}
CompanyDto > {...}
string
string($date-time)
string($date-time)
```

# Single Sign-on

- A Single- Sign-on feature is available based on Authorization Code Flow with Proof Key for Code Exchange.
- Can be used with Single Page Apps (SPA) to re-use Market4.0 platform user profiles.
- Guide:  
<http://platform.market40.eu/guide/MARKET4.0%20Single%20Sign%20on%20guide.docx>



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# Redmine

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1. Used to report bugs and ask for help.
2. First step is to get an account. INTRA will create one account per subproject. We will reach out to the projects to get the technical contact point who will get the account.
3. Next you define a new issue from the menu (see below).
4. Finally, fill in the form.



MARKET4.0 » MARKET4.0 - Issues/bugs reporting/tracking

Search:

» MARKET4.0 - Issues/bugs reporting/tracking



Overview

Activity

Issues

New issue

Gantt

Calendar

Documents

Wiki

Files

Settings

# Redmine

## New issue

Tracker \* Feature  Private

Subject \*

Description

Status \* New

Priority \* Normal

Assignee

Category

Files  No files selected. (Maximum size: 292 TB)

Parent task

Start date 2020-11-25

Due date

Estimated time Hours

% Done 0 %

Watches [Search for watchers to add](#)

**Tracker:** Feature, support, bug  
**Category:** Market4.0 components

**INTRA** fills in the assignee.

The **assignee** will evaluate the issue and either proceed with resolving it, reject it, or ask for more feedback.

[Preview](#)

# THANK YOU



Project Coordinator: **INTRASOFT International SA**



[www.market40.eu](http://www.market40.eu)



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