



INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS

OCA DAYS 2022

Shopfloor: what's new, what's next

Simone Orsi



Who am I

- Simone Orsi, 40, Rome
- Python full stack dev since 14yrs
- Odoo dev since v5
- OCA Board member
- Open Source adept
- Software Architect @ Camptocamp
- @simahawk (Github, Twitter, Discord, Gmail)

Agenda

- What is it
- Technology
- Core
- Pluggability
- What's new
- Roadmap

What is it?

→ Web app born from Shopfloor WMS

- PWA
- REST API
- VueJS

→ Where

- <https://github.com/OCA/wms> (to be moved soon)

Technology / Backend

- REST API specific services
- Validate request
- Validate response
- Automatic endpoints (!)
- Automatic open API docs (!)

Technology / Frontend

- VueJS
- SPA
- Reactivity
- Fast
- Large ecosystem

Core

- `shopfloor_base`
- `shopfloor_mobile_base`
- `base_rest`
- `endpoint_route_handler`

Pluggable

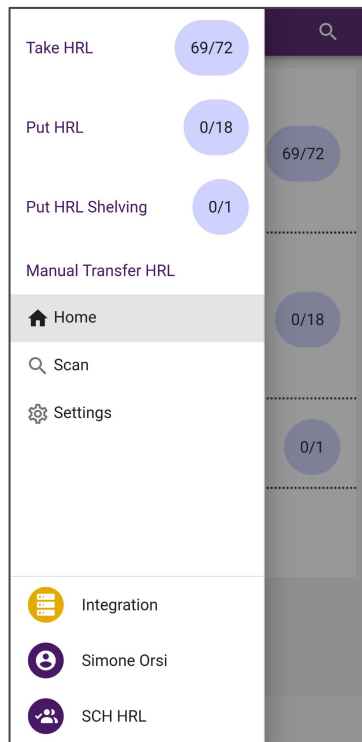
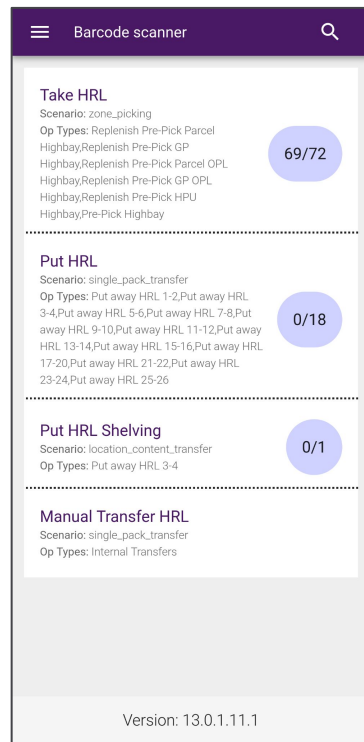
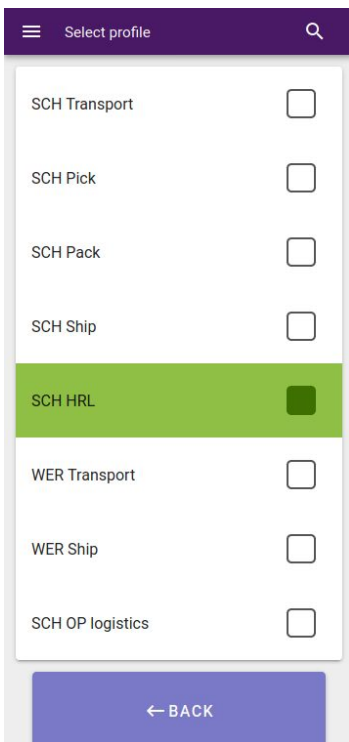
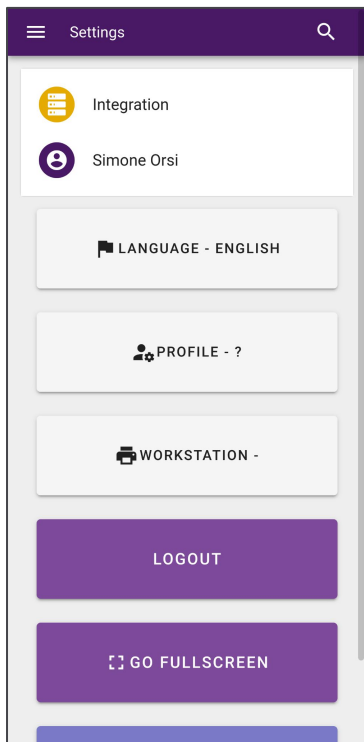
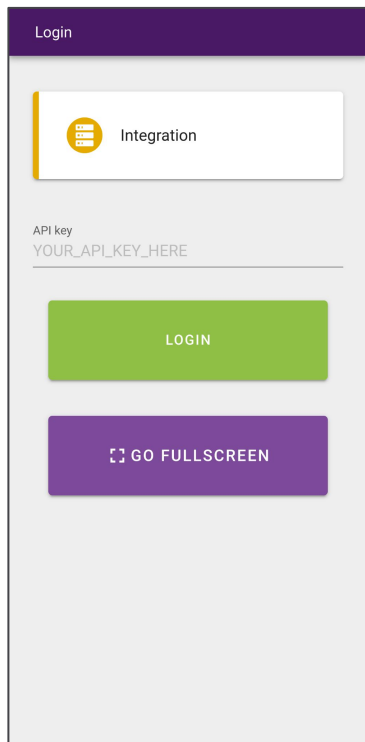
→ Generic and specific components

- Both backend and frontend

→ Registries for UI

- Processes
- Pages
- Translations
- Routing
- Auth

Looks like...



But also like...

The screenshot shows the 'Marketplace' app interface. At the top, there is a green header with a menu icon, the text 'Marketplace', a search icon, and a shopping cart icon with a '1' notification. Below the header is a large image of red and yellow apples. The product name is 'Äpfel Boskoop Kl. I' with a star icon. A 'Saison Start' badge is present. The price is '3.60/Kg' with a plus icon. Below this, there is a quantity selector showing '1 x 12.5 Kg' with minus and plus buttons. A second row shows 'ca. 1 Kg' with minus and plus buttons. At the bottom, there is a purple edit icon, the text 'TOTAL: 12.5 kg', and a purple checkmark icon.

The screenshot shows the 'Aktuell' app interface. At the top, there is a green header with a menu icon, the text 'Aktuell', a search icon, and a shopping cart icon with a '1' notification. Below the header, there is a list of products. The first product is 'Avocados Hass' from Peru, marked 'Aktuell', with a price of '1.50/Stk' and a plus icon. Below it are three rows for quantity selection: '16 Stk', '5 Stk', and '1 Stk', each with minus and plus buttons. A purple edit icon is on the left, and 'TOTAL: 0 stk' with a checkmark icon is on the right. The second product is 'Birnen Abate' from Italien, marked 'Aktuell', with a price of '7.20/Kg' and a plus icon. The third product is 'Birnen Conference' from Schweiz, marked 'Aktuell', with a star icon.



Additional goodies

- [shopfloor_]rest_log
- Track all or some requests
 - Full traceback
 - Full request data
 - Automatic classification of failures
 - Configurable by service/endpoint

Scenarii (WMS)

- Single pack transfer
- Zone picking
- Cluster picking
- Checkout
- Delivery
- Location content transfer
- (Design details in [this g-doc](#))

What's new (core)

- Lots of fix/imp
- Decouple auth 
- Configurable app backend 
- Automatic sync WIP
- Plug with Shopinvader WIP

What's new (WMS)

- many fix/imp
- improved qty picker widget
- improved scan widget
- dangerous goods integration
- new scenario: delivery shipment (based on shipment_advice)
- new scenario: reception WIP
- new scenario: inventory WIP

Roadmap

- Split / rename / move (OCA/pwa-builder? + OCA/web-api)
- Fix cross worker problem (in endpoint_route_handler) **WIP**
- UI test coverage w/ Cypress **WIP**
- Rework on Fastapi integration
- Define a roadmap

References

- <https://github.com/OCA/wms>
- <https://github.com/OCA/web-api>
- <https://github.com/OCA/rest-framework>
- <https://github.com/OCA/pwa-builder> (?)

Thanks for listening

Questions?

camp
to camp[▲]

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> ininitOS



2022

OCA

DAYS

Meet & code

camptocamp[^]

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Or two lines Inter font**

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 - Level 2
 - Use only Inter font
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