



INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS

OCA DAYS 2022

EDI Framework: 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
- Motivation
- Core concepts
- Pluggability
- What's new
- Roadmap

What is it?

Modular system that takes care of UI, configuration and automation of EDI (inbound/outbound).

Motivation

- Avoid replicating automatism
- Focus only on data and configuration
- Unified UI
- Reduce customer specific devs
- Odoo solution is not a framework and might be refactored tomorrow or while we are talking

Core concepts (1)

- Backend type
- Backend
- Exchange type
- Exchange record

Core concepts (2)

→ Main actions

- Generate (output)
- Send (output)
- Receive (input)
- Process (input)

→ Secondary actions

- Check
- Validate

→ Output

- Exchange record generated
- Output generated (auto or manual)
- Output sent

→ Input

- Exchange record generated (can happen after file received too)
- File received
- File processed

Pluggability

- Register a component for one action
- Use it in your exchange type
- Customize behavior by exchange type (YAML)

```
components:  
  generate:  
    usage: output.generate.purchase.order  
    env_ctx:  
      ubl_add_item__skip_taxes: true  
  send:  
    usage: webservice.send  
    work_ctx:  
      webservice:  
        method: post  
        send_as_bytes: true  
        kwargs:  
          url_params:  
            endpoint: endpoint/todo
```

What's new

- many fixes
- many UI improvements
- archive backends
- improve automatic btns
- auto exec by type
- `edi_storage[_oca]` storage path conf via env
- `edi_webservice[_oca]` improved webservice integration

What's new

- edi_xml[_oca] (ported to v14)
- edi_party_data[_oca] (new)
- edi_exchange_type_auto (experimental)
- edi_sale_oca (new)
- edi_sale_ubl_oca (new)
- edi_purchase_ubl_oca (new)

What's new (not core)

- pdf_helper (new)
- sale_order_import (fix/imp/need refactoring)

Roadmap

- Finish purchase / UBL integration
- Finish sale / UBL integration
- Finish `edi_exchange_type_auto` (consider using models for conf)
- Move to OCA/edi-framework (?)
- Write some docs
- Get back to GS1 integration
- Non framework related: review what we can simplify/trash in current edi machinery

References

→ <https://github.com/OCA/edi>

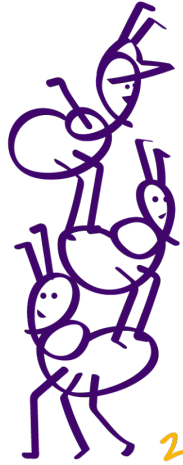
Thanks for listening

Questions?

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