Data migration to Plone 5.2 and Volto

Rodrigo Ferreira de Souza

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Knoledgements
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The challenge
Our way
Details on how we did things

Options to Migrate
Why we use Transmogrifier?

Where we are

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Options to Migrate

- Plone 4.3 → Plone 5+
  - Collective Transmogrifier

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- Plone 5.1 → Plone 5.2+
  - Migrate a ZODB from Python 2.7 to Python 3

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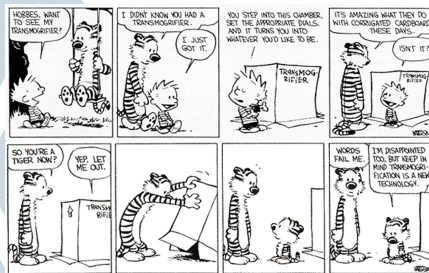   - Collective Transmogrifier

Figure: A transmogrifier is fictional device used for transforming one object into another object.

Why we use Transmogrifier?

- Have many generic Pipelines available for common cases

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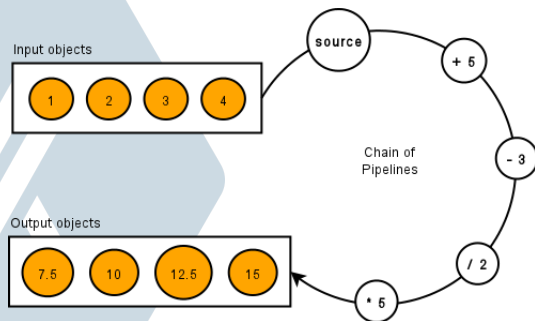- Briliant way to use Iterator Design Pattern!

Figure: Transmogrify Diagram

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Figure: Modern Times – Production line

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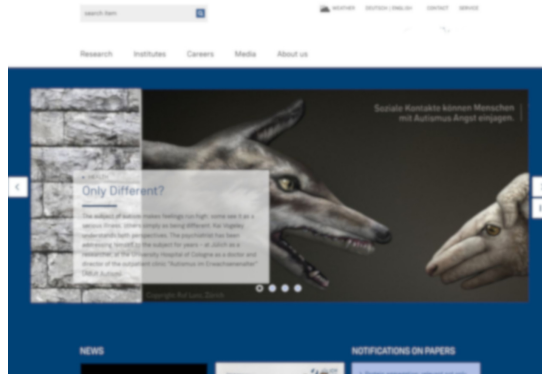Large University
High-profile government client
One of the largest research institutions in Germany

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Large University
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Large University

Figure: Large University client website

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Figure: Large research institution client website

Knoledgements
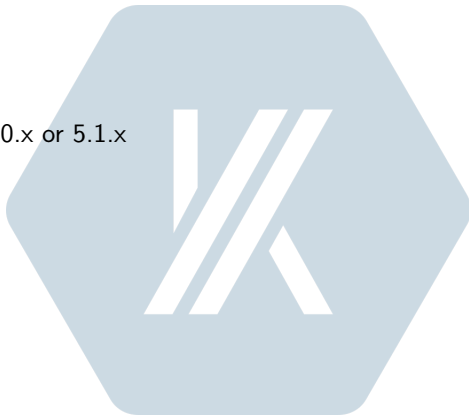Use cases
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Advantages for the clients
Advantages for Plone solutions providers

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- From:
  - Python 2.x

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Advantages for the clients
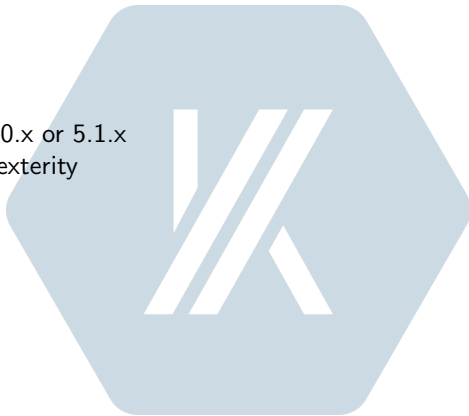Advantages for Plone solutions providers

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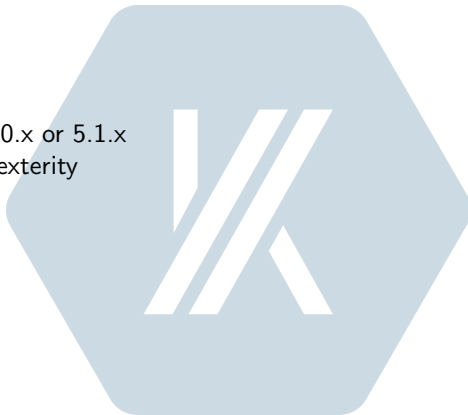 - Plone 4.3.x or 5.0.x or 5.1.x

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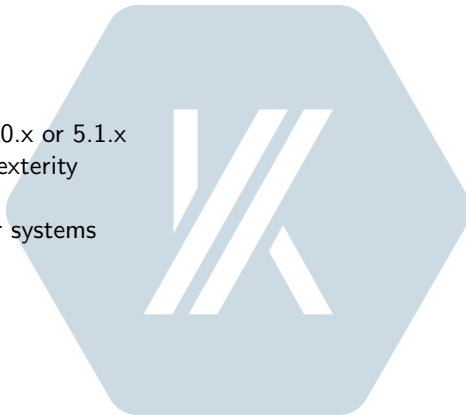 - Archetypes or Dexterity

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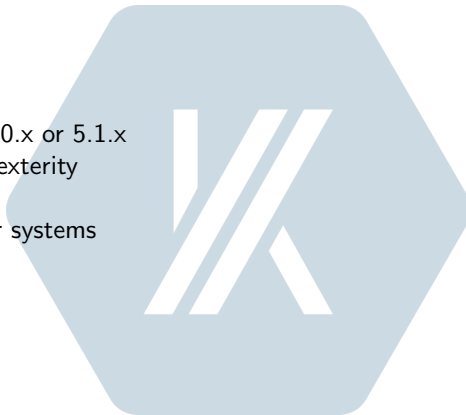 - Archetypes or Dexterity
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    - Sometimes other systems

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- To:
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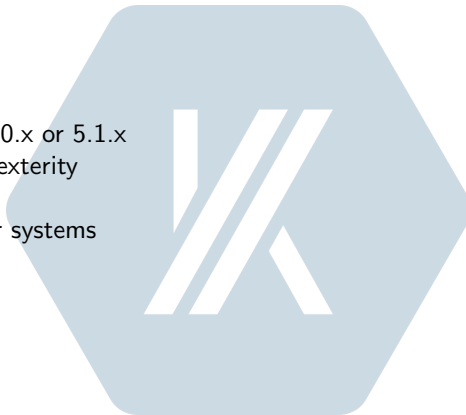   - Sometimes other systems
- To:
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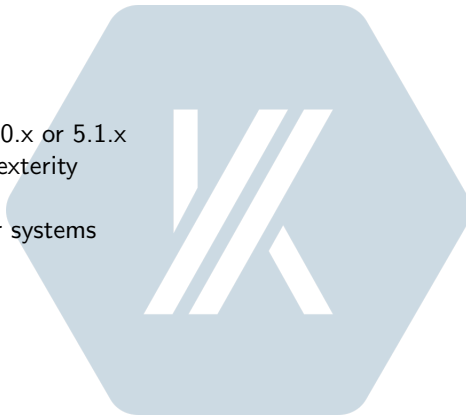- To:
    - Python 3
    - Plone 5.2
    - Volto

Advantages for the clients

- They spare a migration from Plone 5 to Plone 6

Advantages for the clients

- They spare a migration from Plone 5 to Plone 6
- At least part of it

Advantages for Plone solutions providers

- A way to sell clients the Python 3 upgrade

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- A way to sell clients the Python 3 upgrade
- Which is costly but does not gain the client anything in terms of functionality

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Packages
Commander Utility
Jenkins
Migration Server

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- kitconcept Content Creator

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- kitconcept Content Creator
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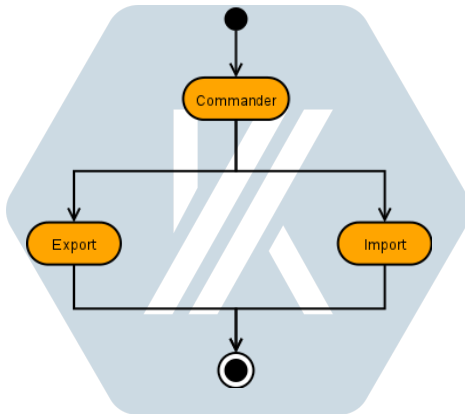
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Figure: Commander Utility

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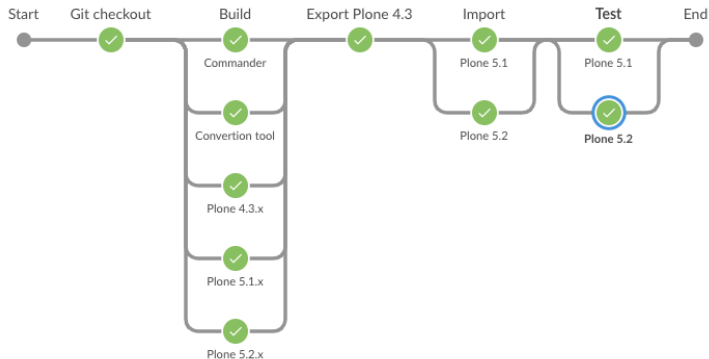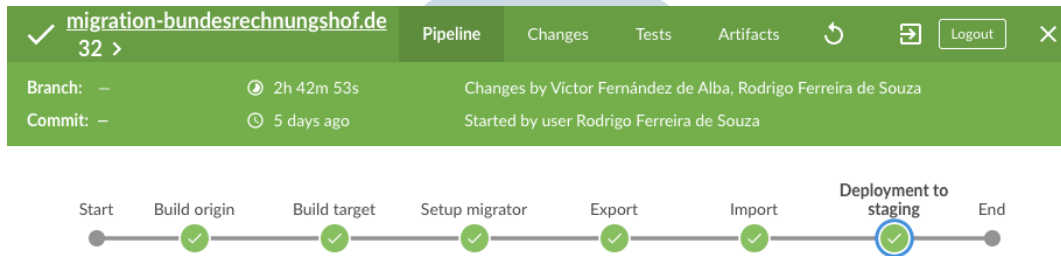
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Figure: Migration Server

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General Backend
The Volto part
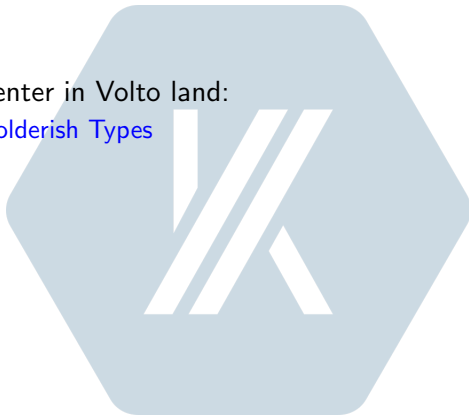
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General Backend

- ATTopics → Collection

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- RichText → Volto Blocks

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- Portlets

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- ATTopics → Collection
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- Postmigration

The Volto part

- What we Polish to enter in Volto land:
  - Use Collective Folderish Types

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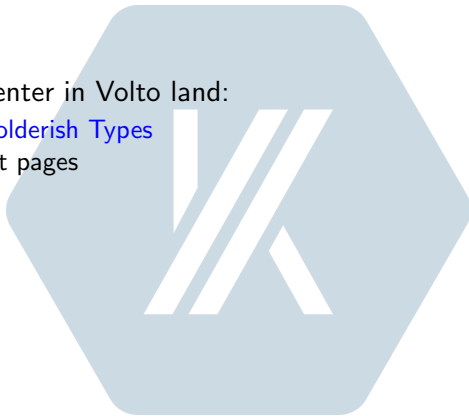
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    - Easily point to old website when content not imported

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  - Simple Collection → Document with Collection Block (planned)

Questions?