Data migration to Plone 5.2 and Volto

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The challendge
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
Why we use Transmogrifier?

Options to Migrate

- Plone 4.3 → Plone 5+
    - Collective Transmogrifier

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Options to Migrate
Why we use Transmogrifier?

Options to Migrate

- Plone 4.3 → Plone 5+
    - Collective Transmogrifier
- Plone 5.1 → Plone 5.2+
    - Migrate a ZODB from Python 2.7 to Python 3

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

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

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Options to Migrate
Why we use Transmogrifier?

Why we use Transmogrifier?

- Have many generic Pipelines available for common cases

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- Flexibility to deal with different use cases

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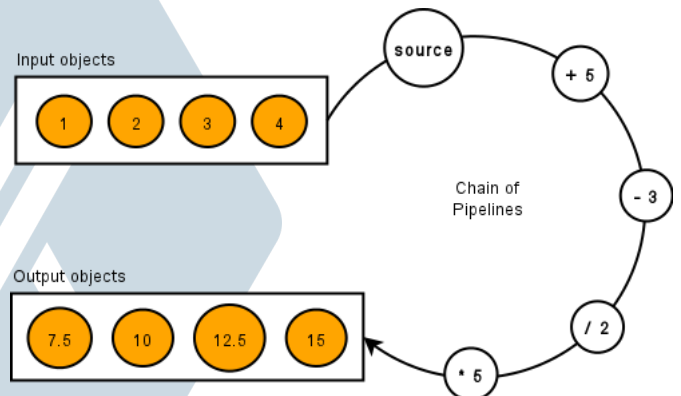- Briliant way to use Iterator Design Pattern!

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- Briliant way to use Iterator Design Pattern!

Figure: Transmogrify Diagram

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- Flexibility to deal with different use cases
- Briliant way to use Iterator Design Pattern!

Figure: Modern Times – Production line

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

Where we are

Large University

Figure: Large University client website

High-profile government client

Figure: High-profile government client website

One of the largest research institutions in Germany
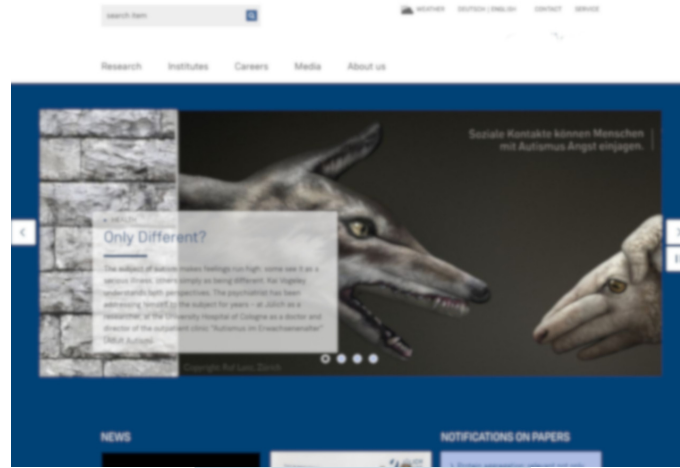
Figure: Large research institution client website

Where we are

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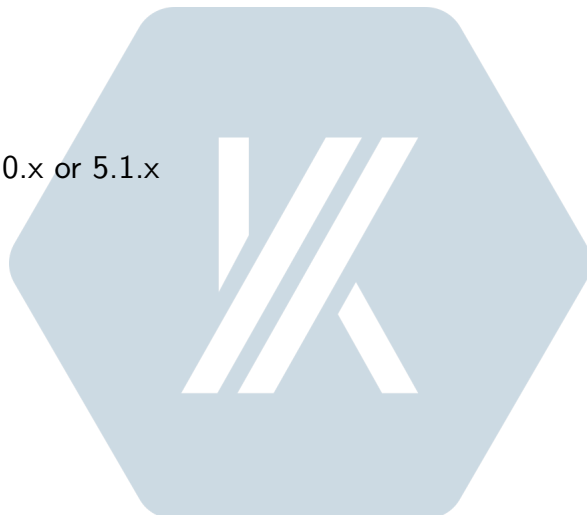4 Our way

5 Details on how we did things

The challendge

- From:
  - Python 2.x

The challendge

- From:
  - Python 2.x
  - Plone 4.3.x or 5.0.x or 5.1.x

The challendge

- From:
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  - Archetypes or Dexterity

The challendge

- From:
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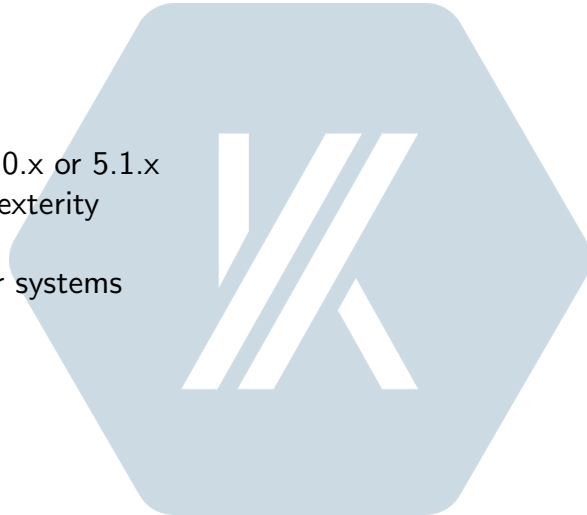 - Plone 4.3.x or 5.0.x or 5.1.x
  - Archetypes or Dexterity
  - Old Products

The challendge

- From:
  - Python 2.x
  - Plone 4.3.x or 5.0.x or 5.1.x
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  - Old Products
  - Sometimes other systems

The challendge

- From:
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- To:
  - Python 3

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The challendge
Advantages for the clients
Advantages for Plone solutions providers

The challendge

- From:
  - Python 2.x
  - Plone 4.3.x or 5.0.x or 5.1.x
  - Archetypes or Dexterity
  - Old Products
  - Sometimes other systems
- To:
  - Python 3
  - Plone 5.2

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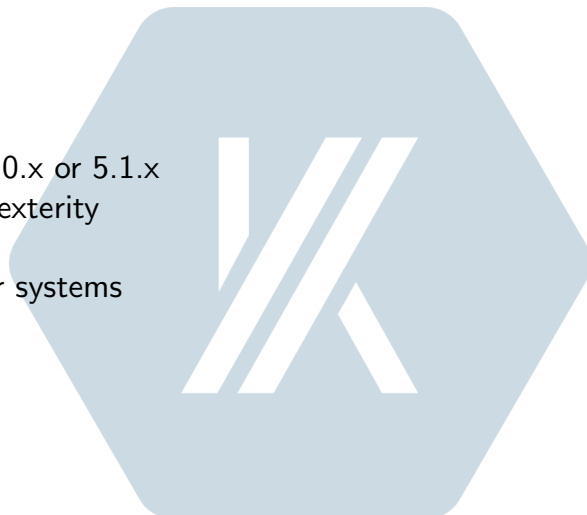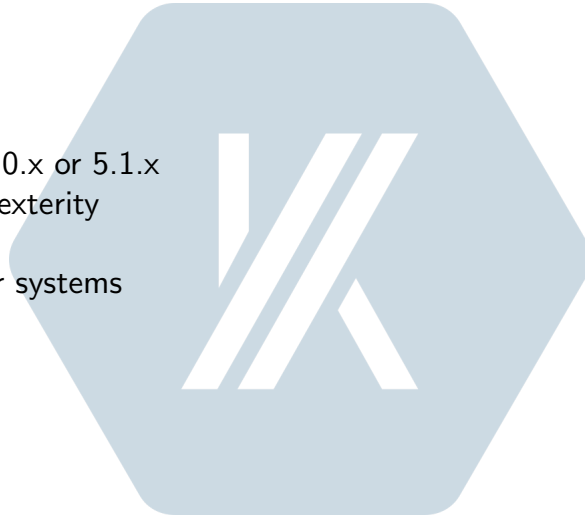Advantages for Plone solutions providers

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- From:
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  - Plone 4.3.x or 5.0.x or 5.1.x
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  - Old Products
  - Sometimes other systems
- To:
  - Python 3
  - Plone 5.2
  - Volto

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Advantages for the clients
Advantages for Plone solutions providers

Advantages for the clients

- They spare a migration from Plone 5 to Plone 6

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Advantages for the clients
Advantages for Plone solutions providers

Advantages for the clients

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

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The challendge
Advantages for the clients
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- A way to sell clients the Python 3 upgrade

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Advantages for the clients
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Advantages for Plone solutions providers

- 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

- kitconcept Content Creator

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Packages
Commander Utility
Jenkins
Migration Server

Packages

- kitconcept Content Creator
- kitconcept Migrator

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Packages
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Packages

- kitconcept Content Creator
- kitconcept Migrator
- Migration Plone 5

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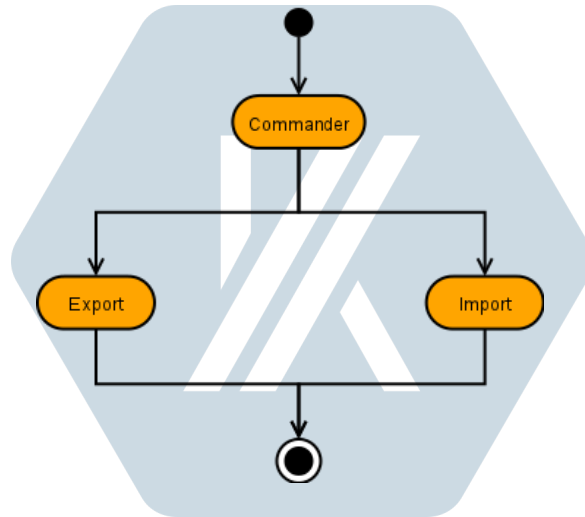
Commander Utility

Figure: Commander Utility

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Jenkins

Figure: Jenkins

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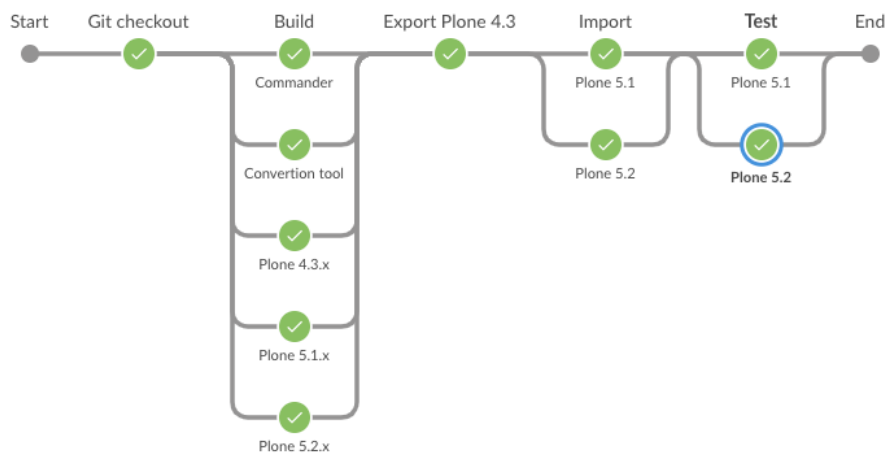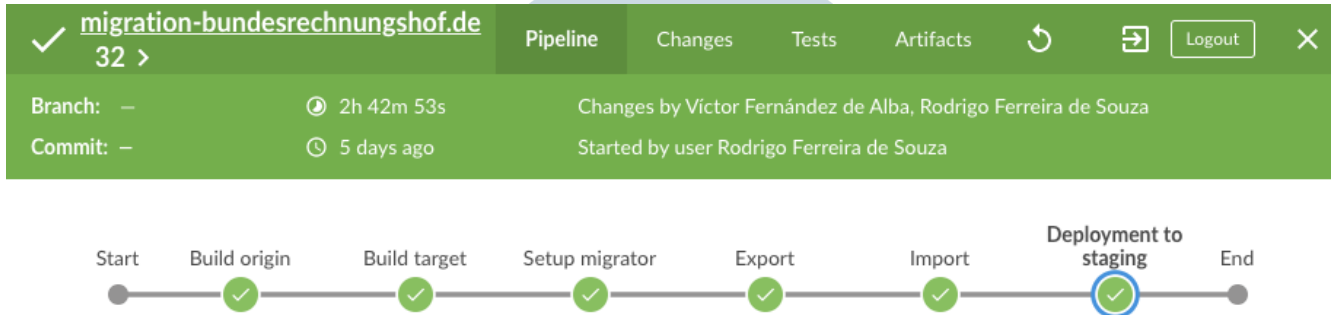
Migration Server

Figure: Migration Server

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General Backend

- ATTopics → Collection

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- ATTopics → Collection
- RichText → Volto Blocks

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General Backend
The Volto part

General Backend

- ATTopics → Collection
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- Portlets

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General Backend
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- ATTopics → Collection
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- Postmigration

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

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- What we Polish to enter in Volto land:
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  - Deal with default pages

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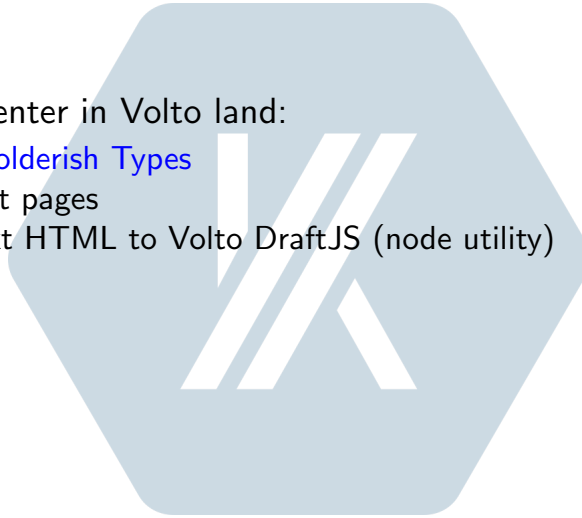Details on how we did things

General Backend
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  - Simple Folders → Document with Collection Block (planned)

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    - Simple Collection → Document with Collection Block (planned)

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Questions?