Data migration to Plone 5.2 and Volto

Rodrigo Ferreira de Souza

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Where we are

Options to Migrate

- Plone 4.3 $\rightarrow$ Plone 5+
  - Collective Transmogrifier

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

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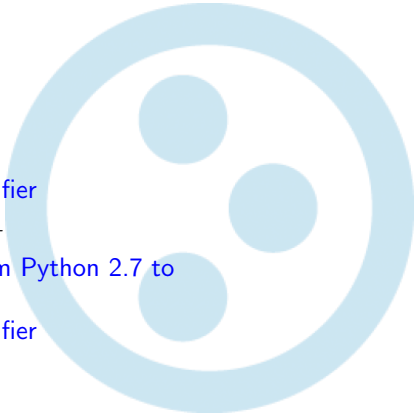

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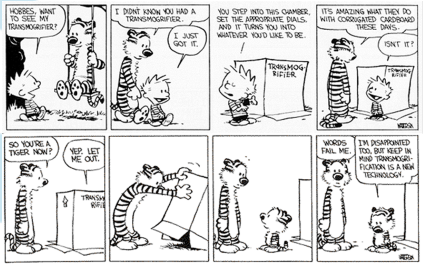

Figure: A transmogrifier is fictional device used for transforming one object into another object. The term was coined by Bill Waterson of Calvin and Hobbes fame.

Why we use Transmogrifier?

- Have many generic Pipelines available for common cases

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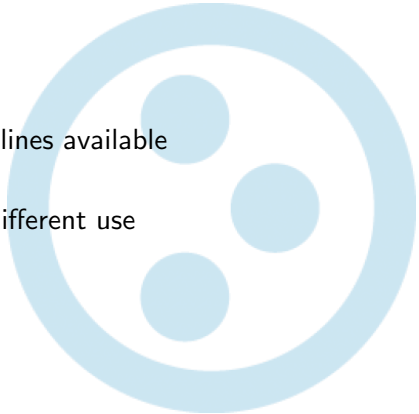

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- Flexibility to deal with different use cases

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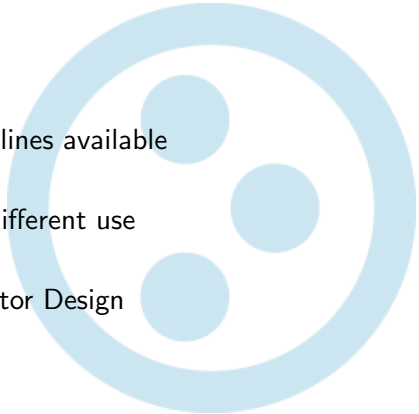

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- Briliant way to use Iterator Design Pattern!

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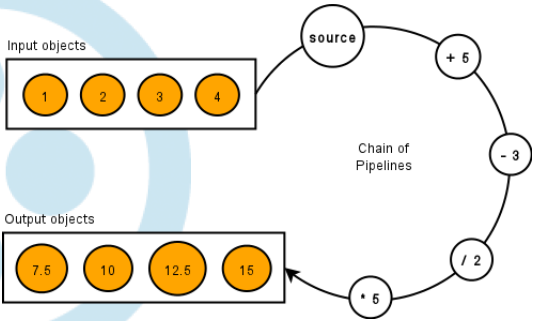

Figure: Transmogrify Diagram

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Figure: Modern Times – Production line

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

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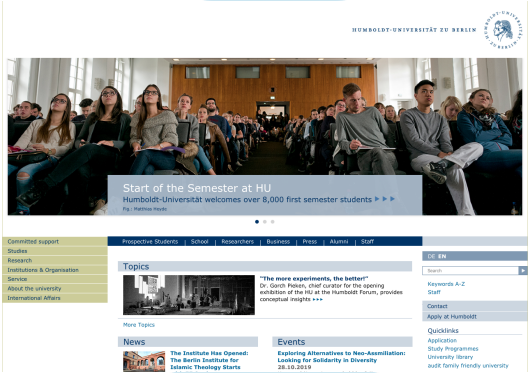

Figure: Humboldt-Universität zu Berlin

High-profile government client

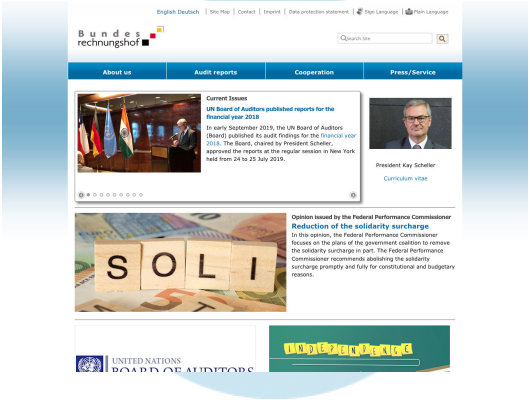

Figure: Bundes rechnungshof

One of the largest research institutions in Germany

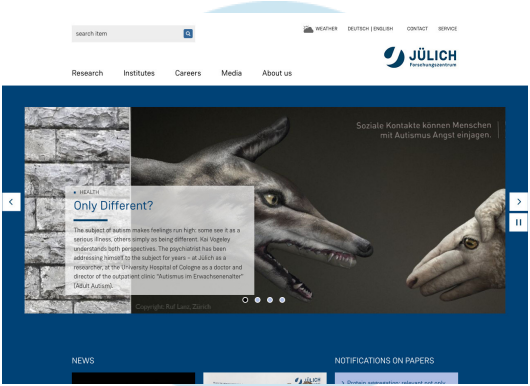

Figure: Forschungszentrum Jülich – Intranet

Where we are

The challendge

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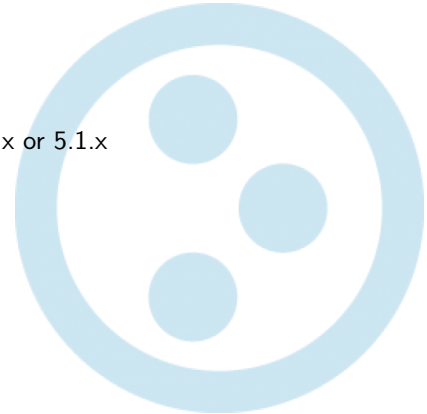

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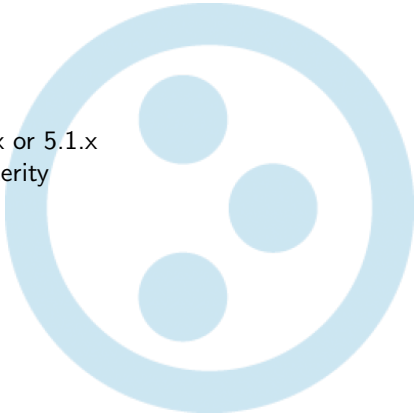

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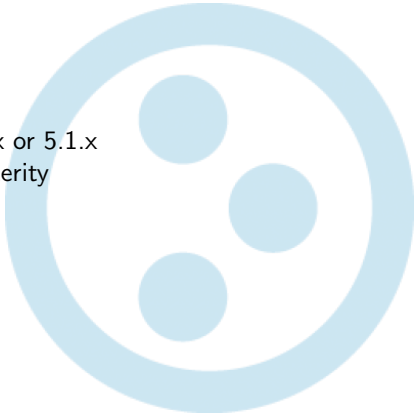

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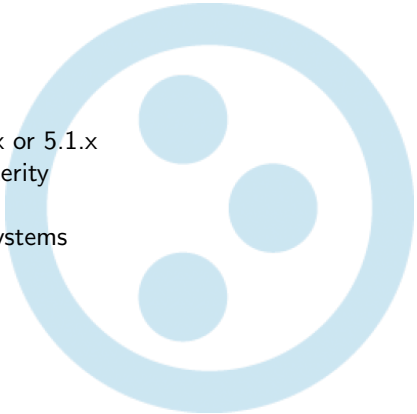

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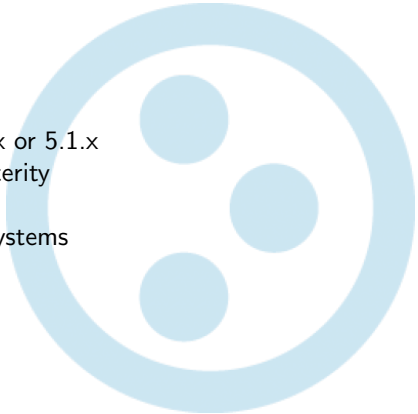

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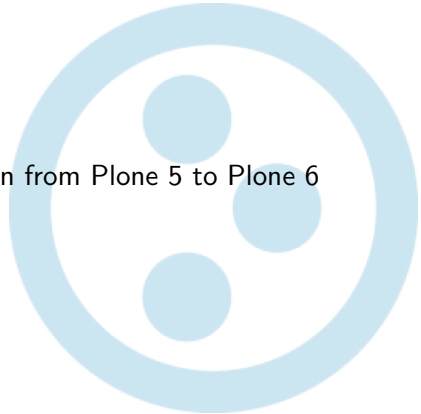
Advantages for the clients



- They spare a migration from Plone 5 to Plone 6

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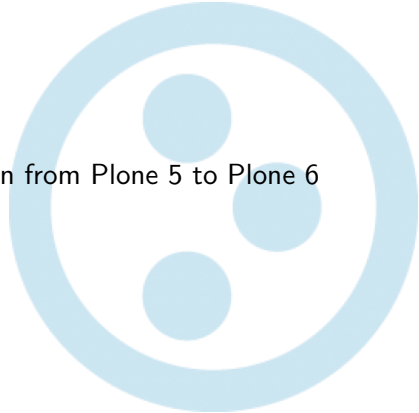
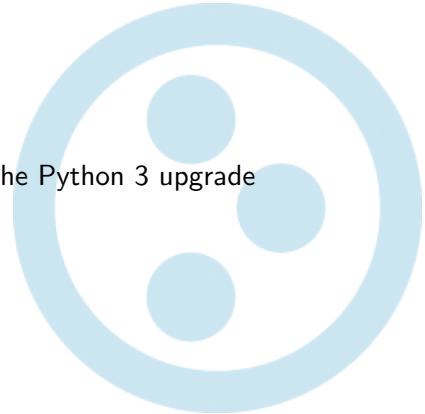


- They spare a migration from Plone 5 to Plone 6
- At least part of it

Advantages for plone solutions providers



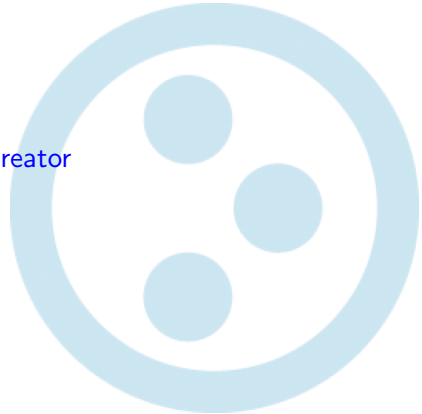
- A way to sell clients the Python 3 upgrade

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

Where we are

Packages



- Kitconcept Content Creator

Packages

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- Migration Plone 5

Commander Utility

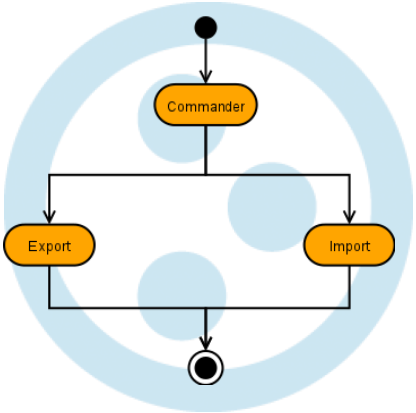

Figure: Commander Utility

Jenkins

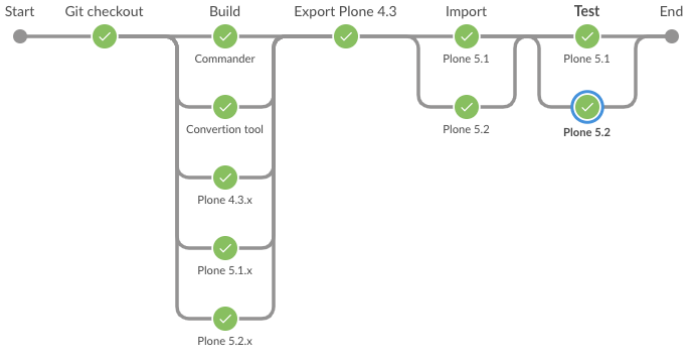

Figure: Jenkins

Migration Server

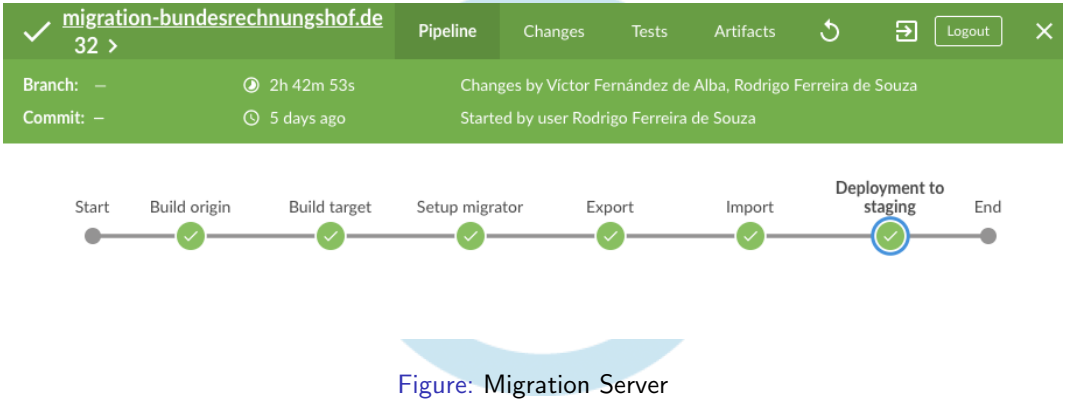

Figure: Migration Server

Where we are

Our general approach

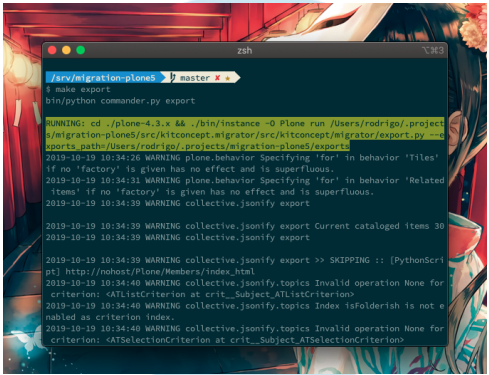

Figure: Running migrator by hand

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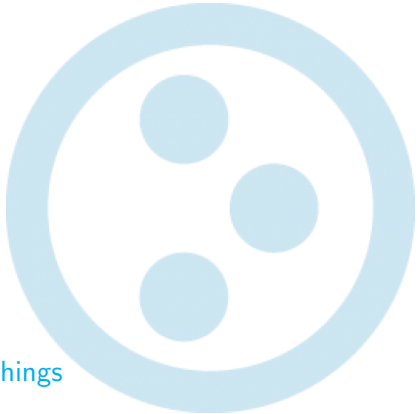

General Backend

- ATTopics → Collection

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- RichText → Volto Tiles

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- Portlets

The Volto part

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