When Alfresco met Odoo: the marriage of ECM and ERP

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Setting the stage

Details

Context

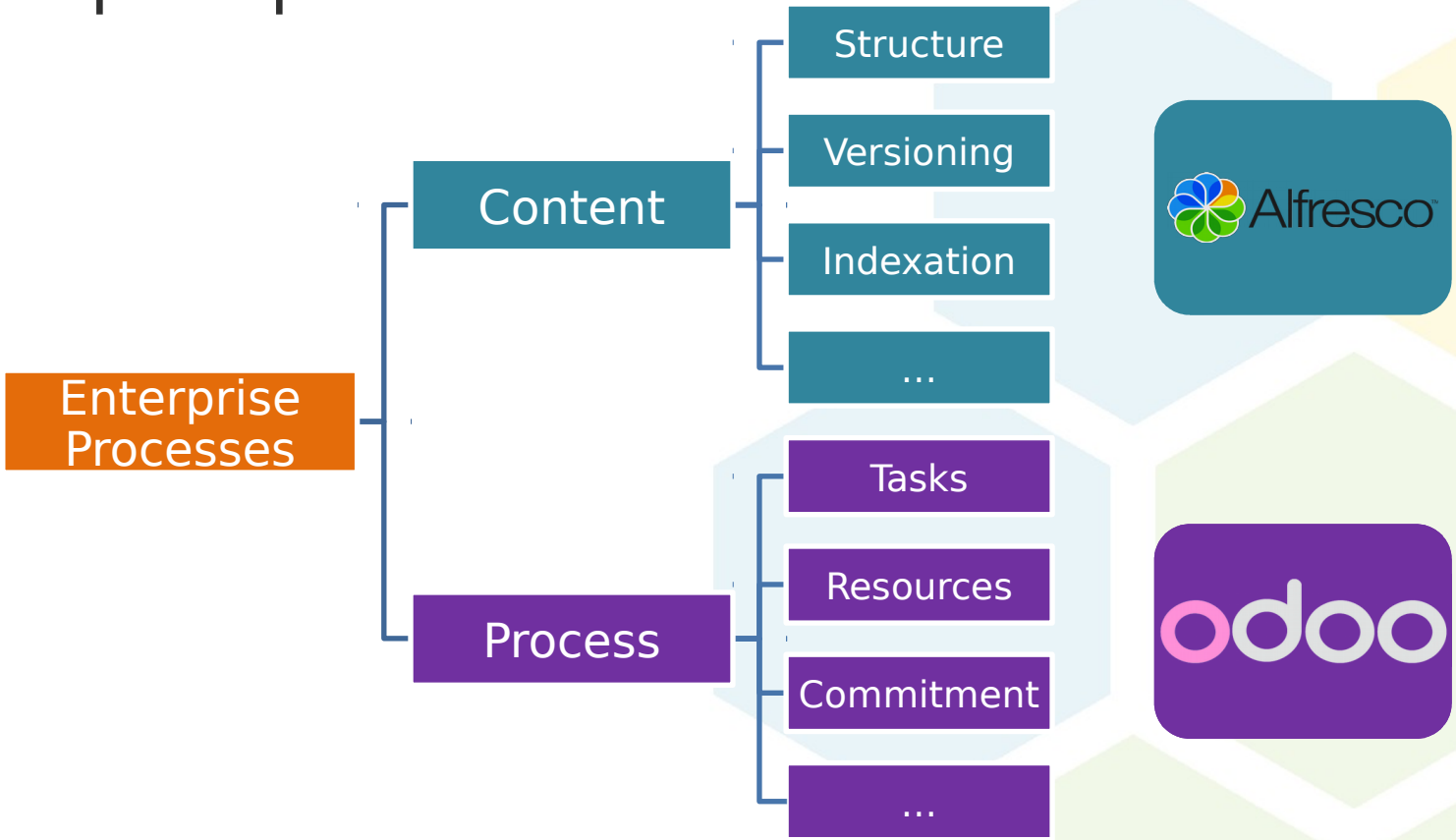
Recurring need of customers:

- Be able to manage content/documents linked to processes of the customer
- Make classification and indexing of content/documents easier and more qualitative
- Enrich documents with business record information

→ Enterprise Business Data drives Content Management classification and indexing

→ Leverage Content Management Systems and Management Software (ERP)

Enterprise processes



Odoo

Open Source all-in-one management software (http://odoo.com)

- Covers processes for ERP, CRM, Warehousing, Manufacturing Resource Planning, Accounting, Invoicing, Point Of Sale, eCommerce, …

Community Driven: “OCA” (Odoo Community Association)

- Similar to OOTB (see also Talk of Stéphane Bidoul tomorrow)

Alfodoo

Main Features

Details

Overview of Features (1)

Provide document container for (Odoo) business records

- Configurable by Odoo record type
- Odoo record references the document container through a NodeRef
- Container can contain documents and subfolders
- Easier and better indexation and classification through synchronization of business data to content model properties (= type, metadata)

The container is materialized through documents tab seamlessly integrated in Odoo UI.

- Major content manipulation functionalities available without knowing Alfresco.
- The goal is not to provide a full-blown UI.

Overview of Features (2)

Document generation

- Combine business records and LibreOffice document templates stored in Alfresco
- Generated document directly persisted in appropriate Alfresco location

Based on open standards, including CMIS 1.1

Demo

Details

Technical details

Details

AlfOdoo is an open project

AGPL V3

http://alfodoo.org

Sources: https://github.com/acsone/alfodoo

Technical details

Integration implemented in Odoo with CMIS 1.1

UI: JavaScript based Odoo widget using three external libraries:

Communication protocol: “CMISJS” (https://github.com/agea/CmisJS) (CMIS 1.1 - Browser binding)

View: Widget “Data table” (https://datatables.net)

Document Preview: PDFJS (https://mozilla.github.io/pdf.js/)

Backend: dedicated python add-on

Communication protocol: Chemistry CMISLIB (https://github.com/apache/chemistry-cmislib/commits/trunk) (CMIS 1.1. - Browser binding)

Ideas for evolution

Details

Ideas for evolution

More advanced document type and metadata management

- Improve classification and indexing

Preview of the custom properties (“+” in documents tab)

Manage minor / major versioning in Odoo

Edit offline

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