

Portal and Content Services Revisited – Alfresco / Liferay Integration

Mikel Asla @ ZYLK.NET





Mikel Asla – Alfresco Developer

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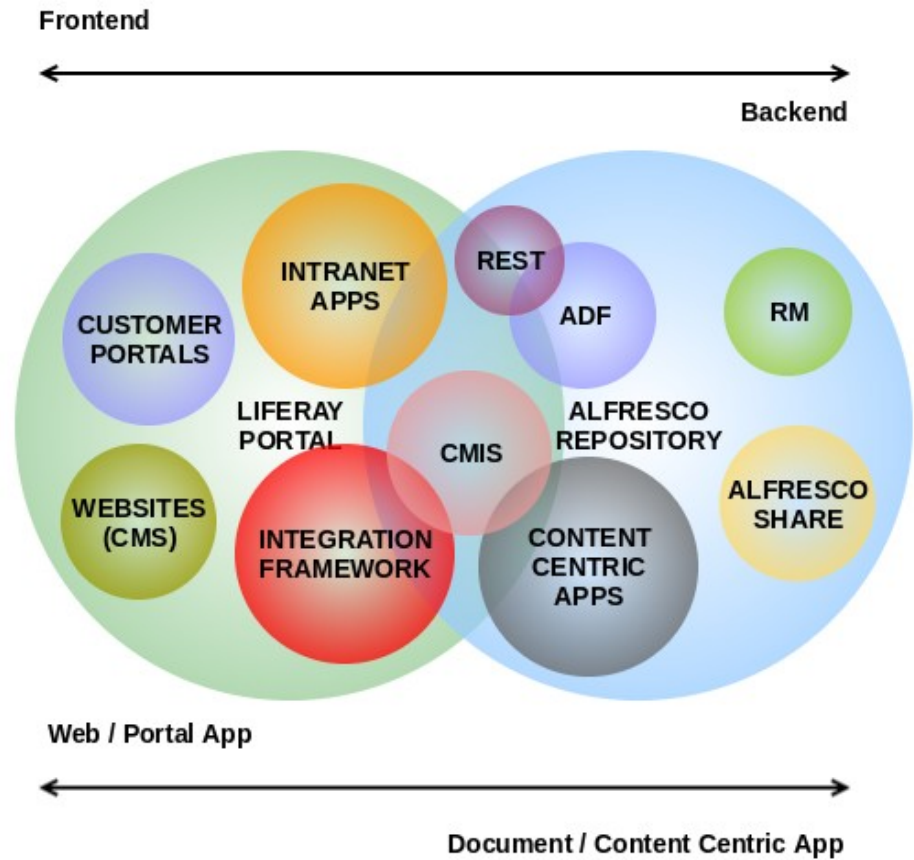
<https://github.com/zylklab>

IT/Solution Architect at zylk.net, a content management and big data consultancy in Bilbao.

Worked with Alfresco-based solutions during the last 12 years in large organizations

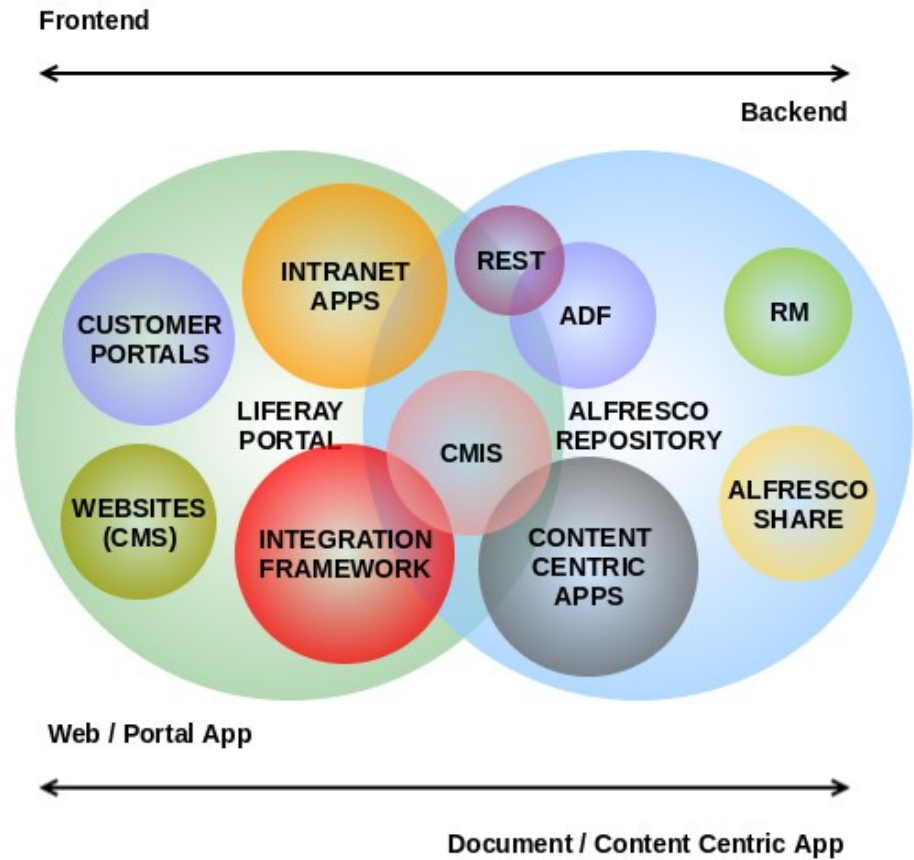
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assName"))},c.getElementsByTag  
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return o.appendChild(a).id=u,  
=function(a){var b=a.replace(_  
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Solution overview




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Solution overview



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- In many real life scenarios, Digital Experience Platforms (some time ago known as **Enterprise Portals**) and Content Services Platforms as Alfresco live together managing some parts of the document lifecycle.
- Many times, we are asked for a solution for transparent **content publication**.
- In this presentation, we'll show a Liferay 7 / DXP Portlet that shows **different logical views of the repository** in the corresponding pages of a portal.

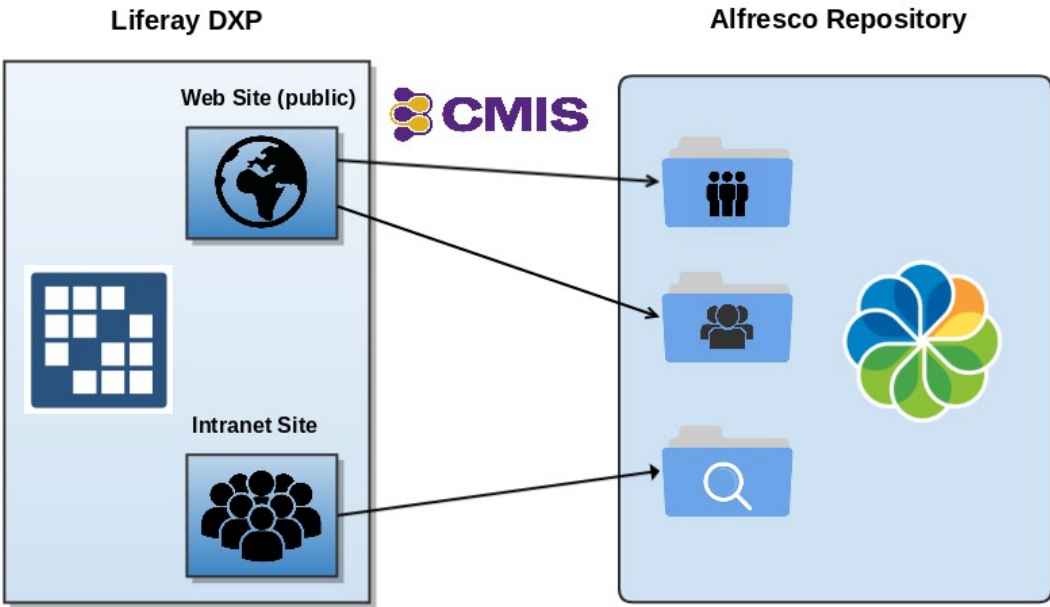


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Solution diagram

Tested on: Liferay 7.x, DXP

Tested on: Alfresco 5.x



Content publishing solution for within the web portal providing different logical views of Alfresco repository

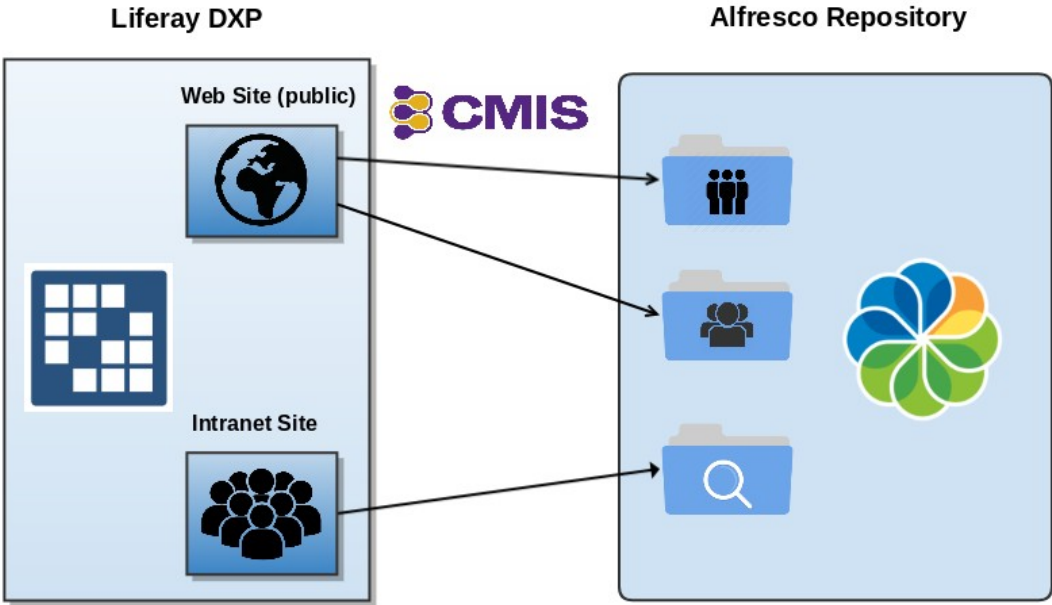


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AG=c.getElementsByTagName?func  
Name("c","gsa"?h:querySelectorA  
==a)all("f["+f+"]")==c.node  
function(a,b){if("undefined"!==typ  
[],(c.qsa=Y.test(n.querySelector  
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Content publishing solution for within the web portal providing different logical views of Alfresco repository



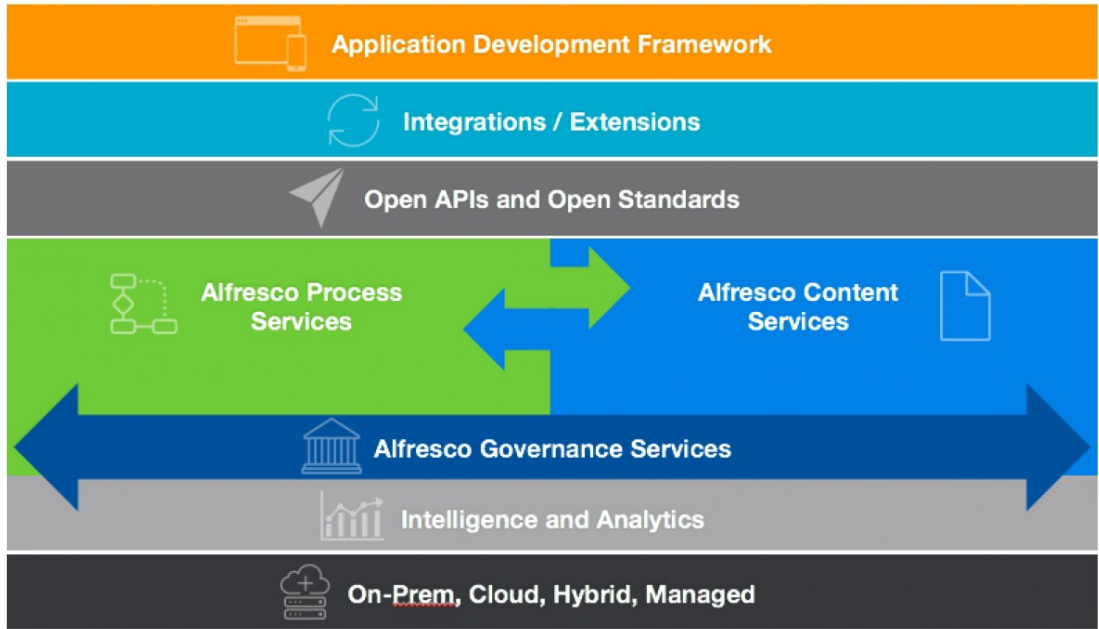
Solution features

- **Browse** and search documents or folders from within a defined path in Alfresco Repository.
- User interacts from a public or private page (**portlet instance**) on a site of your Liferay DXP portal.
- Give users access to meaningful content **without leaving the corporate intranet**.
- Currently supported in English, Spanish and Basque.
- The root path may be a **Smart Folder**




```
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```

Solution features



We can take all the goods of the Alfresco Digital Bussines Platform right to Liferay DXP



```
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...attachEvent&&e.attachEvent{"onur
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...c,d,e,f=b.getElementById(a);it
...BYTagName("td")while(f=e[d++])
...AG=c.getElementsByTagName?func
...Name(a):c.cssa?b.querySelectorA
...=a)[w].length>1?e[1]==c.nodeE
...function(a,b){if("undefined"!=typ
...],(c.qsa=Y.test(n.querySelector
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```

Solution features

Alfresco Search

Alfresco Browser Portlet

Documents ▾

Search

Home

Name	Modified Date	Size
Presentations This folder holds presentations from the project	2/15/11 9:18 PM	
Meeting Notes This folder holds notes from the project review meetings	2/15/11 9:16 PM	
Budget Files This folder holds the project budget and invoices	2/15/11 9:08 PM	
Agency Files This folder holds the agency related files for the project	2/15/11 9:00 PM	

CMIS Browser

Ordering filters

An example for the presentation of well known swsdp default site in Alfresco.





Solution features

Alfresco Browser Portlet

green Documents ▾ Search

Search documents or folders

Home / Search results

Name	Modified Date	Size	
 Project Contract.pdf Contract for the Green Energy project	1/17/19 4:28 PM	372.8 KB	 Go to folder

Download document

Go to Folder

- CRUD operations via CMIS API
- Search Box (content or folder search)
- Ordering filters
- Pagination
- Configurable fields to show (title, description)



Config

CMIS Repository

Repository type
Alfresco - CMIS 1.1

Binding type
AtomPub

Authentication
Standard

Authentication details >

General Settings >

Advanced Settings >

← CMIS binding

CMIS Repository >

Authentication details

CMIS URL ⓘ
<http://melmac.zylk.net:8080/alfresco/api/-default-/public/cmris/versions/1.1/atom>

User
admin

Password
••••

General Settings >

Advanced Settings >

← Alfresco User (consumer)



DEVCON
2019

Learn. Connect. Collaborate.

```
...ent,p:=f!(n),v!:=n&&{e=n:default...
attachEvent&&e.attachEvent{"onur...
assName"))}},c.getElementsByTag...
SByTagName{"*").length}},c.get...
[return o.appendChild(a).id=u,...
=function(a){var b=a.replace(_...
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c,d,e,f=b.getElementById(a);it...
SByName(a),d=0;while{f=e[d++]...
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Name(a):c.qsa("querySelectorA...
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```

Config

CMIS Repository	>
Authentication details	>
General Settings	∨
Path of the navigation root node <input type="text" value="/Sitis/swsdp/documentLibrary"/>	
Results per page <input type="text" value="10"/>	
Default order <input type="text" value="Descending"/>	
Advanced Settings	>

← **Basic settings**
 (RootPath, results per page,
 and default order)

CMIS Repository	>
Authentication details	>
General Settings	>
Advanced Settings	∨
<input type="checkbox"/> Show document title	
<input checked="" type="checkbox"/> Show document description	
<input checked="" type="checkbox"/> Enable search	
<input type="button" value="Save"/>	

← **More options**
 (show title and description,
 enable search)



Project evolution

- On active development
- It's a Liferay DXP OSGI Portlet (Gradle)
- It uses CMIS API: By the moment, only read features are available: browse, search, download
- Write operations are on development
- The portlet instance needs a Alfresco user (currently consumer)



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```

Use case

- Transparency Portals
- Intranet to web publication



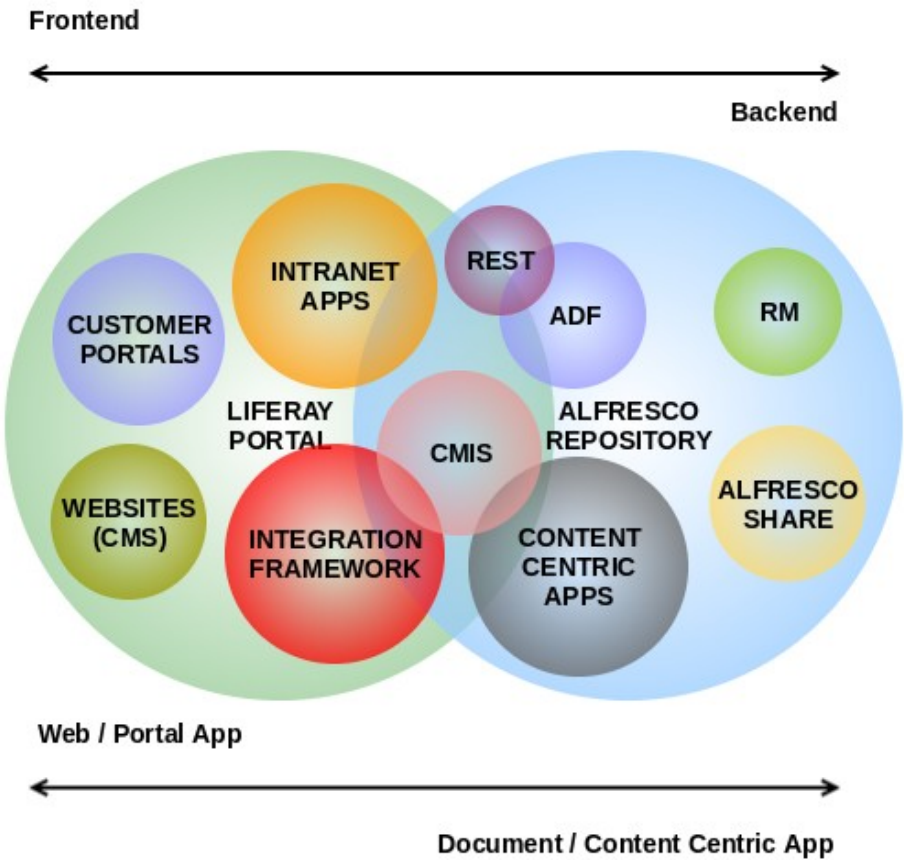
Use case

- A group of users in my organization need to publish certain documents to web portals.
- Alfresco extension points can implement the flow for publishing content based on business rules.
- You can easily identify a rootPath for every exposed point of the corporate repository.
- Document authoring and document publishing is done by different groups of users.
- You need to resolve this problem several times for different parts of your repository.



```
ent,p:=!f(n),v!=n&&{e=n.default
attachEvent&&e.attachEvent{"onur
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Recap



```
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c,d=2;f=elementById(a);it
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Yet another web client

The screenshot displays the ZYLK - Liferay DXP web client interface. At the top, there is a navigation bar with the Liferay logo, the text 'ZYLK - Liferay DXP', and a 'Welcome' message. A search bar is located on the right side of the navigation bar. Below the navigation bar, the main content area is titled 'Sample: Web Site Design Project'. This area contains a search bar with 'Keywords' and 'Documents' input fields, and a 'Search' button. Below the search bar, the 'Home' section is displayed, featuring a table with the following data:

Title (Name)	Modified Date	Size
<ul style="list-style-type: none"> Project presentations (Presentations) This folder holds presentations from the project 	2/15/11 9:18 PM	
<ul style="list-style-type: none"> Project meeting notes (Meeting Notes) This folder holds notes from the project review meetings 	2/15/11 9:16 PM	
<ul style="list-style-type: none"> Project finance files (Budget Files) This folder holds the project budget and invoices 	2/15/11 9:08 PM	
<ul style="list-style-type: none"> Agency related files (Agency Files) This folder holds the agency related files for the project 	2/15/11 9:00 PM	

At the bottom of the page, there is a blue footer bar with the text 'Powered By Liferay'.



Next steps

- Configurable CMIS / REST
- Document preview
- Alfresco Share actions
- Open source



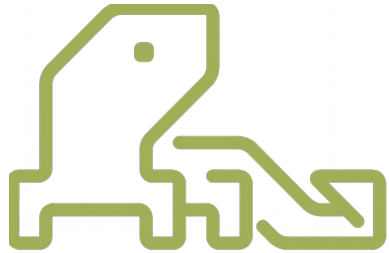
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The team



ZYLK

Contributors

- Gustavo Fernandez
- Alfredo Sanchez
- Jon Ander Gonzalez
- Cesar Capillas
- Mikel Asla



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