

JS API based customizations for improving your Alfresco experience

César Capillas <cesar at zylk.net>

About me

I'm an IT/Solution Architect at zylk.net, an OOTB member working with Alfresco-based solutions during the last 8 years in large organisations. I am one of the authors of a corporate Alfresco Blog, addons developer and a very active user in Alfresco Community.

<https://www.linkedin.com/in/cesarcapillas>



ZYLK

Open IT Experts for Enterprise

<http://www.zylk.net/alfresco-blog>





Intro and motivations

Javascript API based customizations to improve your
Alfresco experience

Introduction and motivations (I)

- Alfresco ecosystem has lots of very useful third party addons (Javascript Console, Support Tools, Site Creators, Uploader Plus).
- These extensions fill the gap of Alfresco by default, customizing some default behaviour (i.e. Site Creators addon).
- Other extensions are also typical (e.g.: to hide external users invite form, custom themes, maximum number of versions or quota policies)
- Then, customers want to customize a little bit more.

Introduction and motivations (II)

We show a set of Alfresco customizations as examples of:

- Simple extensions for improving Alfresco default functionality, resulting from conversations with customers.
- Also presented as examples of Alfresco content models, forms extensions, JS actions, JS-based behaviours, quartz jobs examples, custom indicators, metadata templates or smart templates.



Alternative to AOS

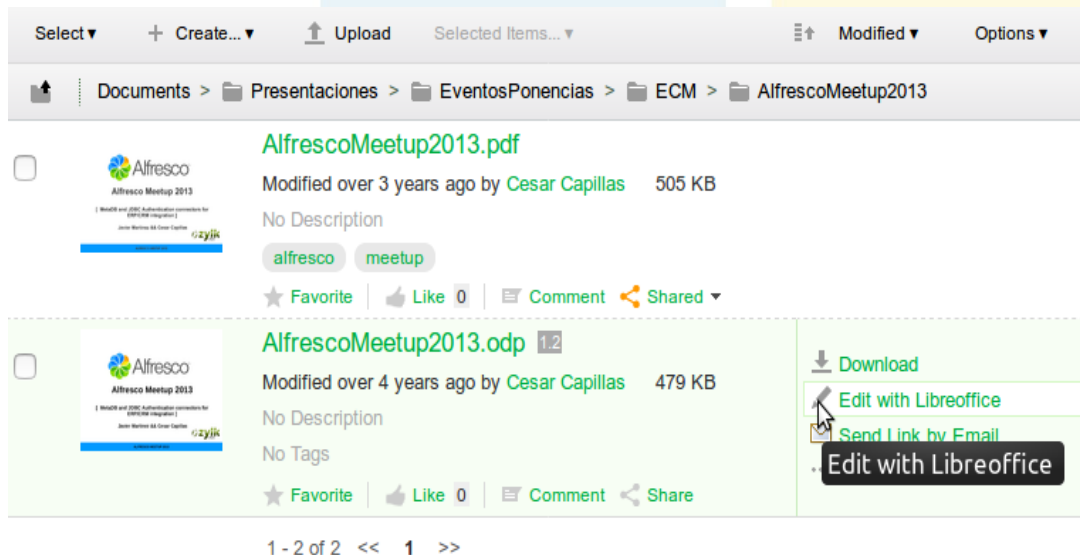
Edit online with Libreoffice

<https://github.com/zylklab/alfresco-share-online-edition-addon>

Edit online with Libreoffice action

Protocol-based webdav online edition with Libreoffice 5

- It uses dav:// protocol URL-schemes (for Windows and Linux)
- Libreoffice mimetypes
- Non-SSL installations





Set status to documents

How can I manage document edition lifecycle in a simple way ?

Status-able indicators

- Aspect for document status
- Custom indicators and metadata template for the statusable aspect
- Document searches with facets
- Document views with smart folders

Home My Files Shared Files Sites Tasks People Repository Admin Tools

Search

Search in: All Sites

ASPECT:zpm:statusable

Filter by:

- Status
 - Not started 2
 - Draft 1
 - Approved 3
 - Denied 1
- Creator
 - Mike Jackson 6
 - Alice Beecher 1
- File Type
 - Microsoft Word 3
 - Microsoft PowerPoint 2
 - Adobe PDF Document 1
 - Microsoft Excel 1
- Size
- Modifier
- Modified

Selected items... 7 - results found

- ☐ **Project Overview.ppt** (Project Overview.ppt) Modified 8 minutes ago by Administrator | Size:3 MB | Site: Sample: Web Site Design Project In folder: /Presentations
- ☐ **Meeting Notes 2011-02-10.doc** (Meeting Notes 2011-02-10.doc) Modified 6 minutes ago by Administrator | Size:73 KB | Site: Sample: Web Site Design Project In folder: /Meeting Notes
- ☐ **budget.xls** (Web Site Design - Budget) Budget file for the web site redesign Modified 5 minutes ago by Administrator | Size:26 KB | Site: Sample: Web Site Design Project In folder: /Budget Files
- ☐ **Meeting Notes 2011-02-03.doc** (Meeting Notes 2011-02-03.doc) Modified 6 minutes ago by Administrator | Size:72 KB | Site: Sample: Web Site Design Project In folder: /Meeting Notes

Home My Files Shared Files Sites Tasks People Repository Admin Tools Administrator Search files, people, sites

Sample: Web Site Design Project Public Start Project Library Project Wiki Project FAQ More

Documents

- All Documents
- I'm Editing
- Others are Editing
- Recently Modified
- Recently Added
- My Favorites

Library

- Documents
 - Agency Files
 - Budget Files
 - Documents with Status
 - All documents with status
 - Status - Not started
 - Status - Draft
 - Status - Approved
 - Status - Cancelled
 - Meeting Notes
 - Presentations

Categories

- Category Root

Tags

Select Create Upload Selected Items

Documents > Documents with Status > Status - Approved

- ☐ **Project Overview.ppt** (Project Overview.ppt) Modified 20 hours ago by Administrator | 3 MB Status: Approved Priority: High Percentage: 100 No Tags Favorite Like 0 Comment Share
- ☐ **Project Contract.pdf** (Project Contract for Green Energy) Modified 20 hours ago by Administrator | 373 KB Status: Approved Priority: Normal Percentage: 100 No Tags Favorite Like 0 Comment Share
- ☐ **Meeting Notes 2011-01-27.doc** (Meeting Notes 2011-01-27.doc) Modified 20 hours ago by Administrator | 72 KB Status: Approved Priority: Normal Percentage: 100 No Tags Favorite Like 0 Comment Share

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Public URLs w/ expiration

How can I manage and control the public shared documents ?

Public URLs with expiration

- Using cm:effectivity aspect for defining a date expiration for this content
- A content behaviour for setting automatically a month
- A daily quartz job for removing qshare:qshared aspect
- Custom indicators and metadata templates
- Smart template

The screenshot shows a document properties panel in Alfresco. At the top right is a 'Download' button. Below it are expandable sections: 'Document Actions', 'Tags', and 'Share'. The 'Properties' section is expanded, showing metadata for the document 'AlfrescoOneOnAWS.pdf'. The metadata includes Name, Title, Description, Author, Mimetype, Size, Creator, Created Date, Modifier, and Modified Date. At the bottom, there is an 'Effectivity' section with 'Effective From' and 'Effective To' dates.

Effectivity	
Effective From: Mon 30 Jan 2017	Effective To: Wed 1 Mar 2017

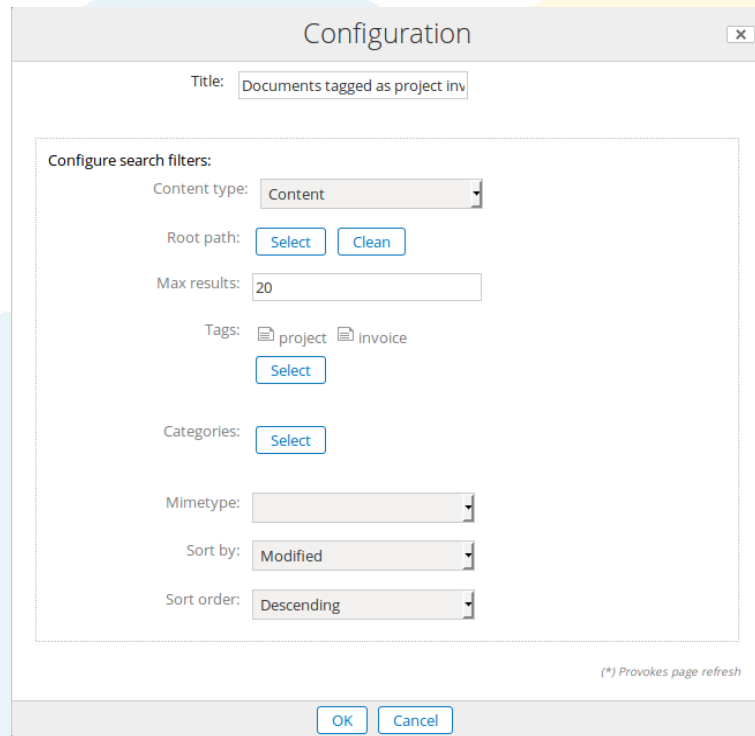
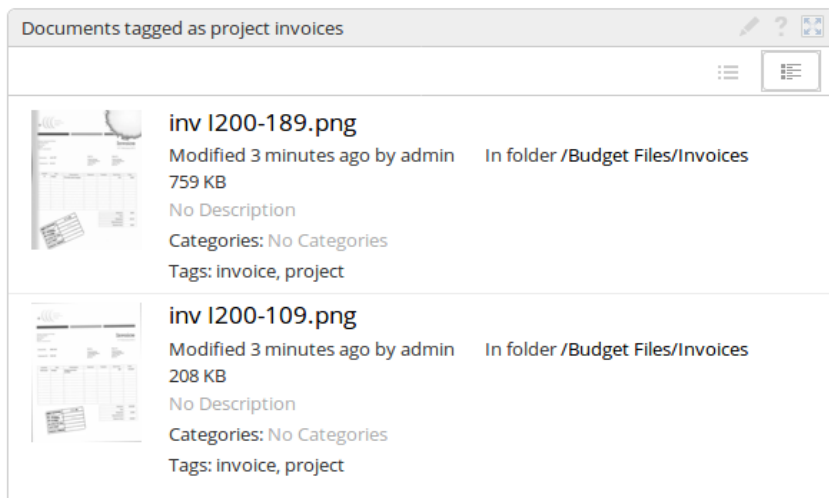


Custom Search Dashlet

How can I add business views in user and site panels ?

Custom Search Dashlet

- Search dashlet with many filters
- Custom Types, multiple tags and categories...
- Use PATH queries in combination with smart folder templates for complex queries





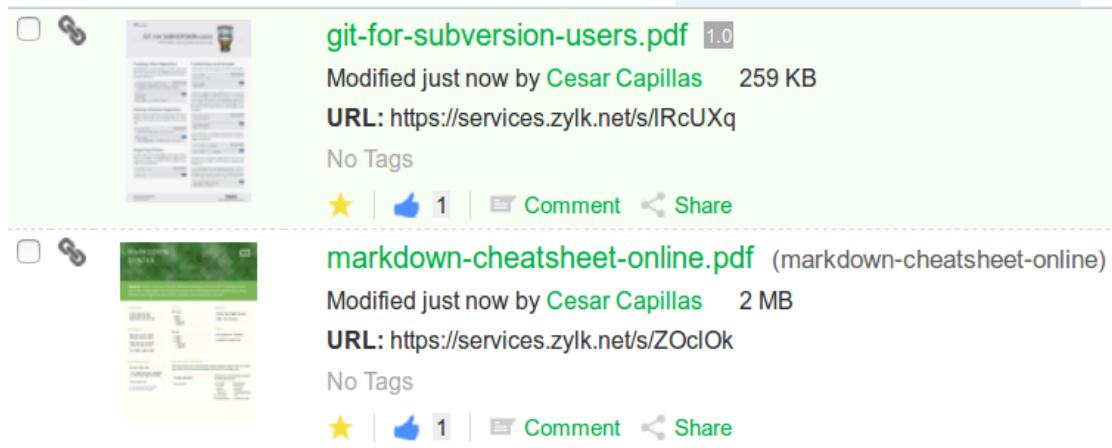
Alfresco URL Shortener

How to use short URLs in Alfresco Share ?

<https://github.com/zylklab/zk-url-shortener>

Alfresco URL Shortener

- Simple to use and share, such as bit.ly...
- Not dependant on the uuid
- It needs a frontend (i.e. Apache) for rewriting URLs



Conclusion

- Alfresco customizations are fun, even more fun if open-source
- You can improve and extend Alfresco capabilities with simple extensions
- You can use them as Javascript API training pills
- Please fork, share and use them in your Alfresco installations

<https://github.com/zylklab/beecon2017>



Thank you for your attention!

César Capillas <cesar at zylk.net>

@zylknet

<http://www.github.com/zylklab>