

JS API based customizations for improving your Alfresco experience

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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.

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ZYLK

Open IT Experts for Enterprise

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





Intro and motivations

Javascript API based customization 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 OOTB 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, clients 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 client conversations.
- 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

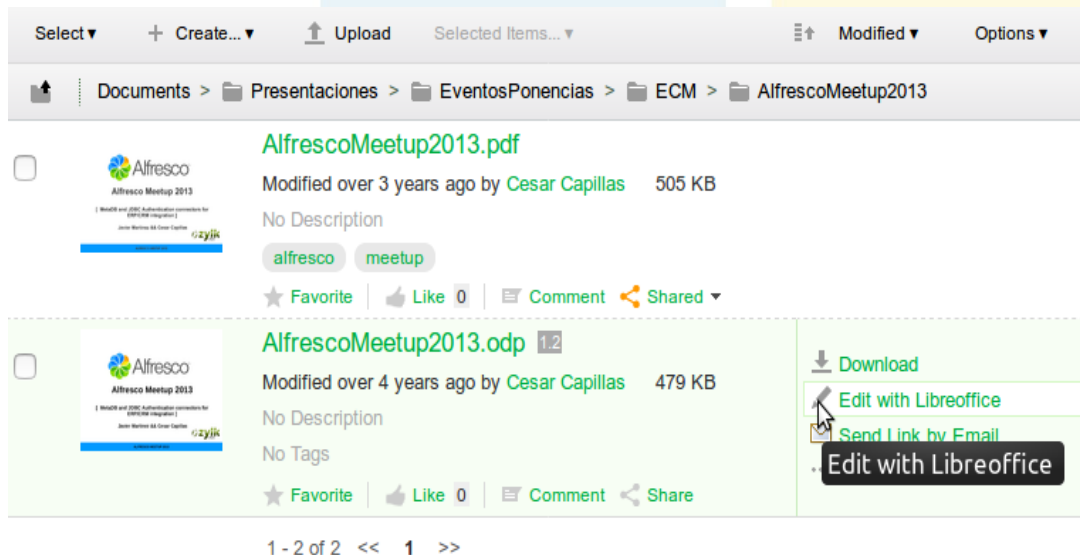
Edit online with Libreoffice

<https://github.com/zyklab/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



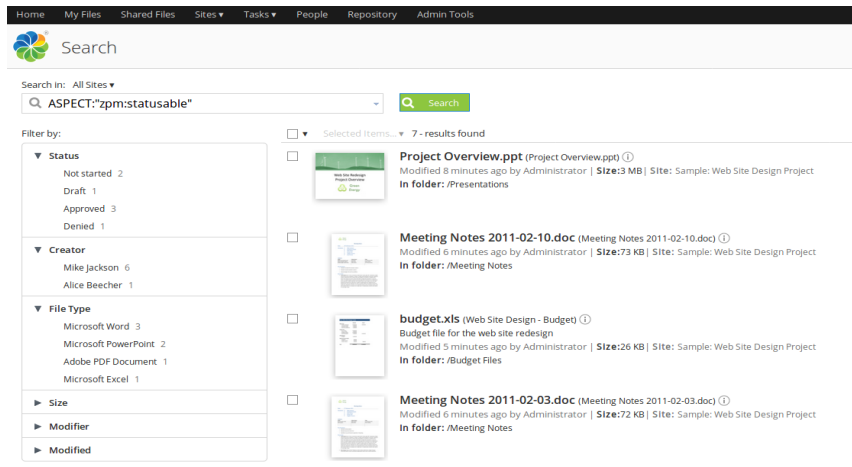


Set status to documents

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

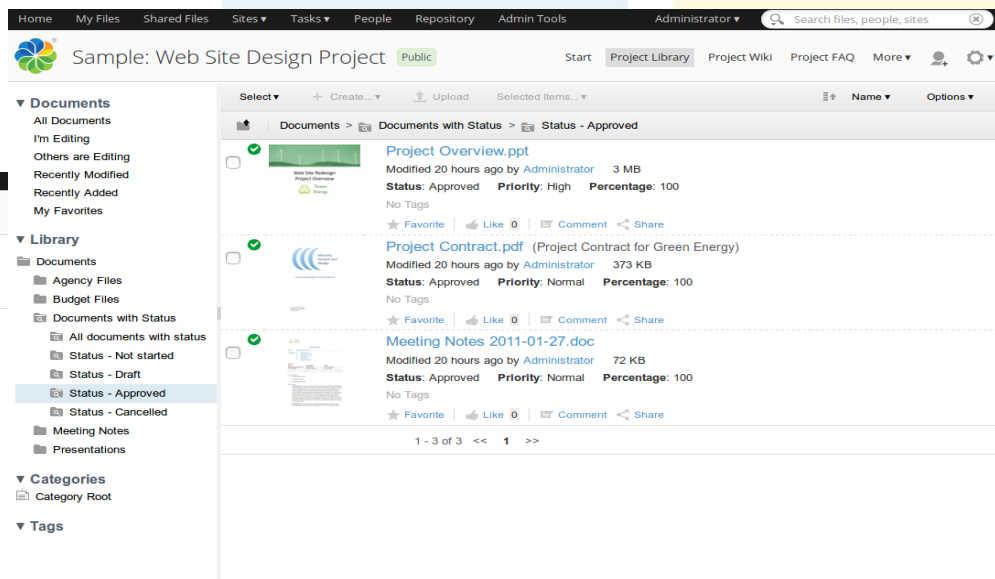
ASPECT:zpm:statusable

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

Select Create Upload Selected Items

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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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



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 a web interface. At the top right is a 'Download' button. Below it are sections for 'Document Actions', 'Tags', and 'Share'. The 'Properties' section is expanded, showing metadata for a PDF document. The 'Effectivity' section at the bottom shows an expiration date of Wednesday, March 1, 2017.

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

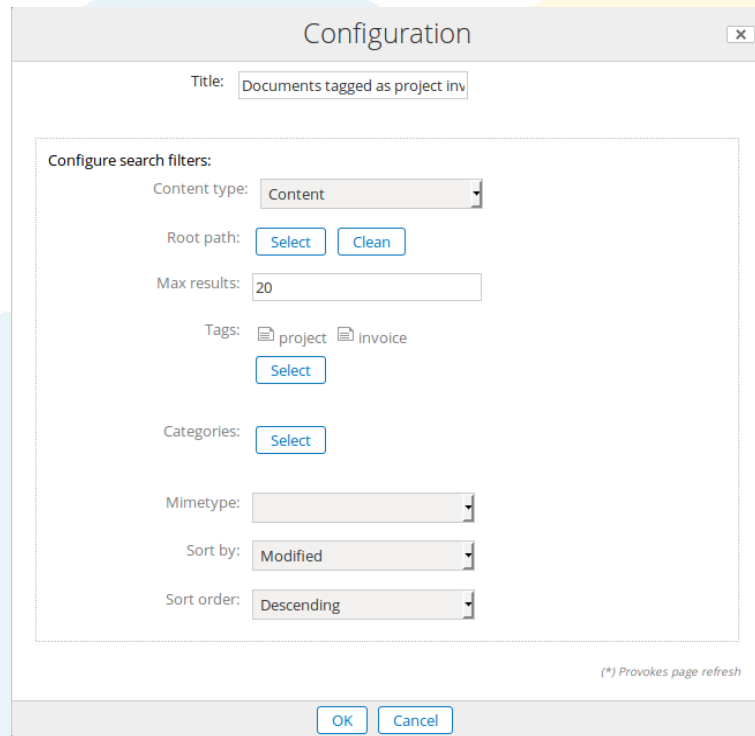
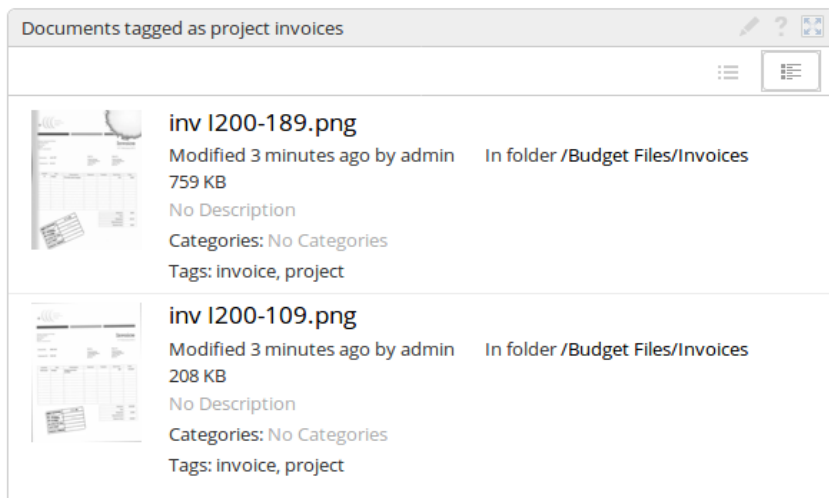


Custom Search Dashlet

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





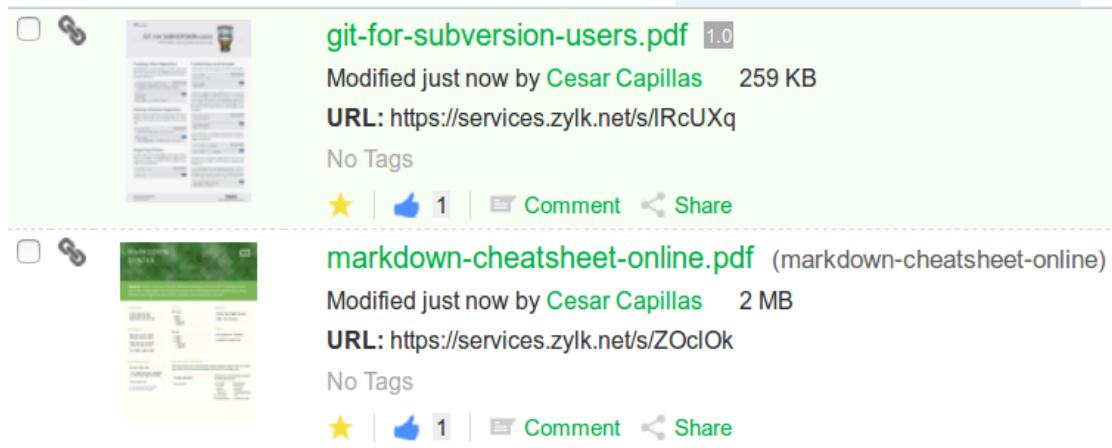
Alfresco URL Shortener

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!

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