



BeeCon 2016

# Extending Share: from the outside in

David Webster  
April 2016



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April 2016



# Alfresco Share

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

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

Site Profile

Welcome to Sample: Web Site Design Project

This is a Sample Alfresco Team site.

Site Manager(s): Mike Jackson, Administrator

Visibility: Public

Site Members

Add Users 1 - 3 of 3 All Members

Administrator Manager

Alice Beecher Collaborator

Mike Jackson Manager

Image Preview

Site Content

I've Recently Modified

Keep track of content changes

Easily see which document library items site members have been working on. In the detailed view you can like an item and mark it as a favorite. You can also jump to the details page to leave a comment.



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← → C docs.alfresco.com/5.1/concepts/dev-extensions-share-extension-points-introduction.html

Share Architecture

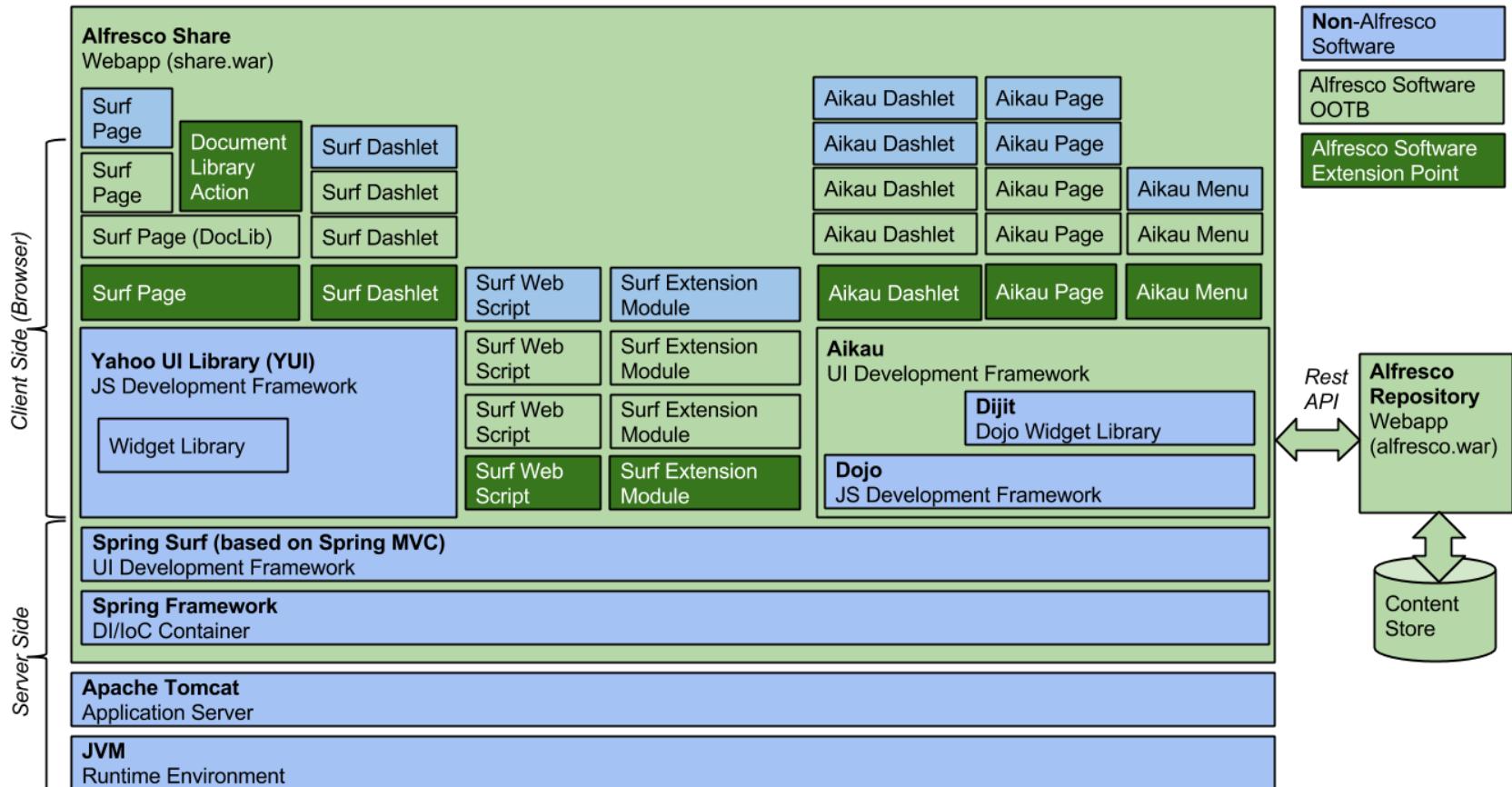
**Share Extension Points**

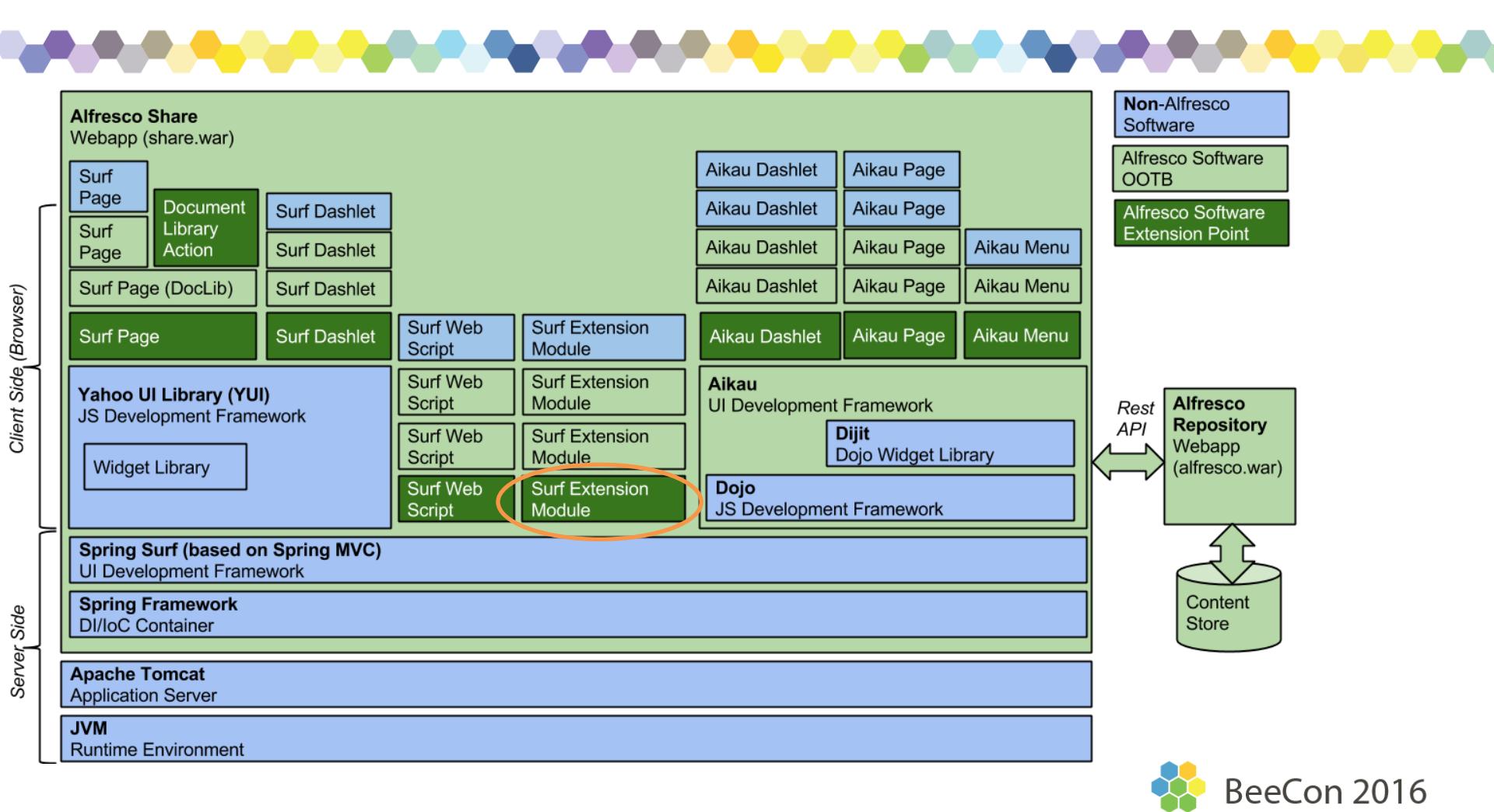
- Share Configuration
- Form Controls
- Form Field Validation Handlers
- Evaluators
- Site Presets
- Share Themes
- Document Library
- Spring Surf Extension Modules
- Surf Web Scripts
- Surf Web Script JavaScript Root Objects
- Surf Pages
- Surf Dashlets
- Surf Widgets
- Aikau Menus
- Aikau Pages
- Aikau Dashlets
- Aikau Widgets
- Modifying Out-of-the-box Surf Pages
- Modifying Out-of-the-box Surf Dashlets
- Modifying Out-of-the-box Surf Widgets
- Modifying Out-of-the-box Aikau Pages
- Modifying Out-of-the-box Aikau Dashlets
- Modifying Out-of-the-box Aikau Widgets
- Modifying Out-of-the-box Surf

The following table lists all the extension points that are available to you when customization the Share web application:

Extension Point Name	Category	Support Status
<a href="#">Share Configuration</a>	Declarative	<b>Full Support</b>
<a href="#">Form Controls</a>	Programmatic	<b>Full Support</b>
<a href="#">Form Field Validation Handlers</a>	Programmatic	<b>Full Support</b>
<a href="#">Evaluators</a>	Declarative and Programmatic	<b>Full Support</b>
<a href="#">Site Presets</a>	Declarative	<b>Full Support</b>
<a href="#">Share Themes</a>	Declarative	<b>Full Support</b>
<a href="#">Document Library</a>	Declarative and Programmatic	<b>Full Support</b>
<a href="#">Surf Extension Modules</a>	Declarative and Programmatic	<b>Full Support</b>
<a href="#">Surf Web Scripts</a>	Declarative and Programmatic	<b>Full Support</b>
<a href="#">Surf Web Script JavaScript Root Objects</a>	Programmatic	<b>Full Support</b>
<a href="#">Surf Pages</a>	Declarative and Programmatic	<b>Limited Support</b> (Use Aikau Pages instead)
<a href="#">Surf Dashlets</a>	Declarative and Programmatic	<b>Limited Support</b> (Use Aikau Dashlets instead)
<a href="#">Surf Widgets</a>	Programmatic	<b>Full Support</b>
<a href="#">Aikau Menus</a>	Programmatic	<b>Full Support</b>
<a href="#">Aikau Pages</a>	Declarative and Programmatic	<b>Full Support</b>
<a href="#">Aikau Dashlets</a>	Declarative and Programmatic	<b>Full Support</b>
<a href="#">Aikau Widgets</a>	Programmatic	<b>Full Support</b>
<a href="#">Modifying OOTB Surf Pages</a>	Override	<b>Full Support</b> via <a href="#">Surf Extension Modules</a>
<a href="#">Modifying OOTB Surf Dashlets</a>	Override	<b>Full Support</b> via <a href="#">Surf Extension Modules</a>
<a href="#">Modifying OOTB Surf Widgets</a>	Override	<b>Full Support</b> via <a href="#">Surf Extension Modules</a>
<a href="#">Modifying OOTB Aikau Pages</a>	Override	<b>Full Support</b> via <a href="#">Surf Extension Modules</a>
<a href="#">Modifying OOTB Aikau Dashlets</a>	Override	<b>Full Support</b> via <a href="#">Surf Extension Modules</a>
<a href="#">Modifying OOTB Aikau Widgets</a>	Override	<b>Full Support</b>
<a href="#">Modifying OOTB Surf Web Scripts</a>	Override	<b>Full Support</b>









# Records Management Module



Image: <https://www.flickr.com/photos/stevensnodgrass/6644713363>



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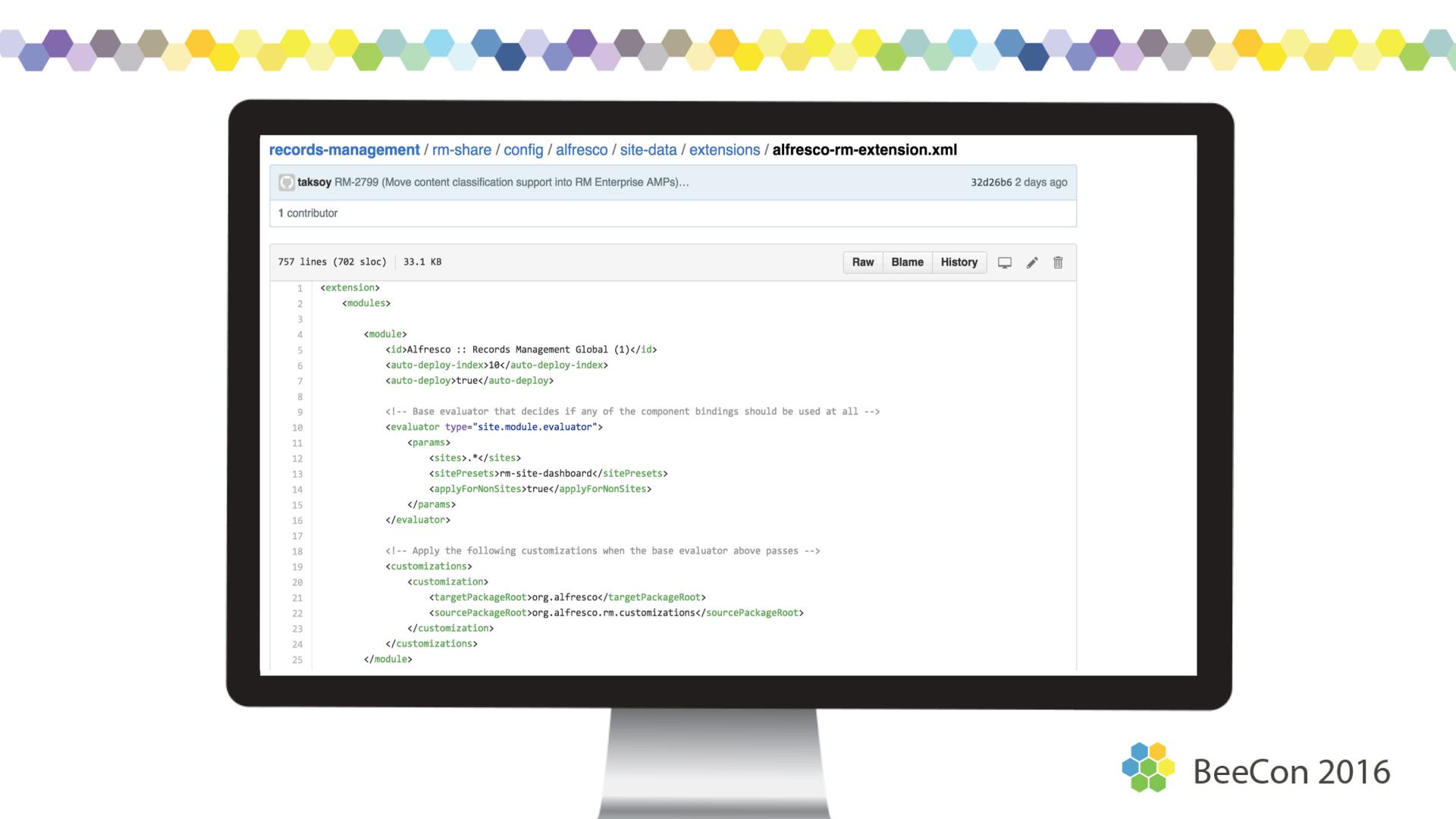


# RM Extensions

- **Surf Extension Modules**
  - Module deployment page
- **Resources WebScript**
  - Common JS code and Alfresco.constants
- **Create Site Dialog**
  - Custom site type
- **Document Library**
  - Metadata Templates
  - Actions and Evaluators
- **Faceted Search**
  - API & Aikau widget
- **Document Details**
  - Add relationship feature



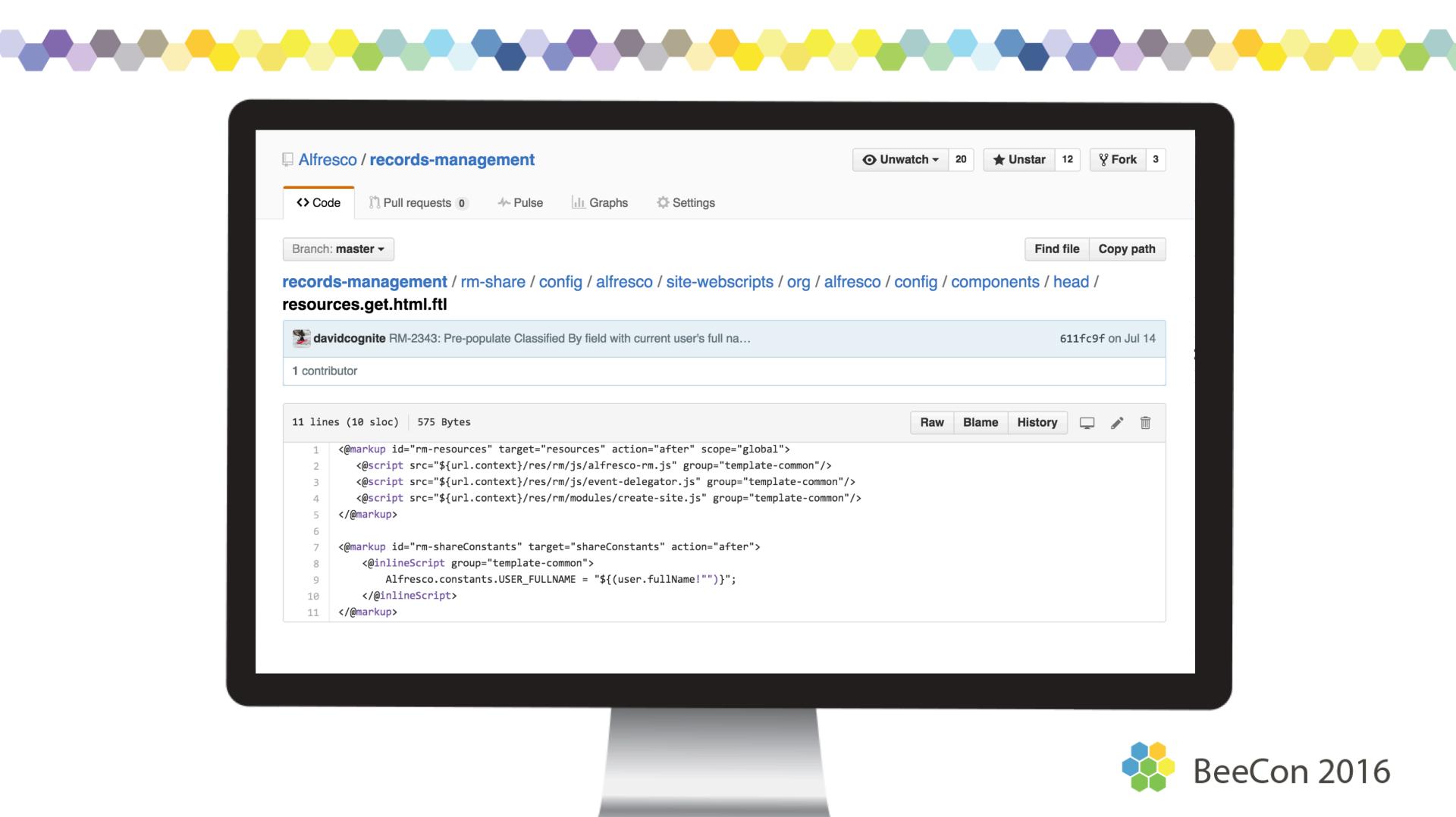
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localhost:48080/share/page/user/admin/dashboard

Home My Files Shared Files Sites Tasks People Repository Admin Tools

## Administrator Dashboard

**GET STARTED**  
Take a quick tour of Alfresco or learn about advanced features.

**My Sites**

All ▾ >Create

- Records Management  
Records Management Site  
★
- Sample: Web Site Design Project  
This is a Sample Alfresco Team site.  
★ Favorite
- wcmqs  
(None)  
★

**My Tasks**

### Create Site

Name:  \*

URL Name:  \*  
This is part of the address of the site.  
Do not use spaces or special characters.

Description:

Type:

Visibility:  Public  
Everyone in your organization can access this site.

Moderated  
Everyone in your organization can find this site and request access. Access is granted by Site Managers.

Private  
Only people added by a Site Manager can find and use this site.

Compliance:

Save Cancel



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share / share / src / main / resources / alfresco / site-webscripts / org / alfresco / modules / **create-site.get.html.ftl**

aowan SHA-1391: Create Site dialog does not offer site type choice when RM ... bb6544a on Sep 2

0 contributors

89 lines (79 sloc) | 4.12 KB

Raw Blame History

```
1 <#assign el= args.htmlid?html>
2 <div id="${el}-dialog" class="create-site">
3     <div class="hd">
4         <@markup id="title">${msg("header.createSite")}</@markup>
5     </div>
6     <div class="bd">
7         <form id="${el}-form" method="POST" action="">
8
9             <!-- FIELDS -->
10            <@markup id="fields">
11
12                <input type="hidden" id="${el}-visibility" name="visibility" value="PUBLIC"/>
13
14                <!-- TITLE -->
15                <div class="yui-gd">
16                    <div class="yui-u first"><label for="${el}-title">${msg("label.name")}:</label></div>
17                    <div class="yui-u"><input id="${el}-title" type="text" name="title" tabindex="0" maxlength="255" />&nbsp;*</div>
18                </div>
19
20                <!-- SHORTNAME -->
21                <div class="yui-gd">
22                    <div class="yui-u first"><label for="${el}-shortName">${msg("label.shortName")}:</label></div>
23                    <div class="yui-u">
24                        <input id="${el}-shortName" type="text" name="shortName" tabindex="0" maxlength="255" />&nbsp;*<br>
25                        <span class="help">${msg("label.shortNameHelp")}</span>
26                    </div>
27                </div>
28
29                <!-- DESCRIPTION -->
...    .    .    .    .
```



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[records-management](#) / [rm-share](#) / [config](#) / [alfresco](#) / [site-webscripts](#) / [org](#) / [alfresco](#) / [rm](#) / [customizations](#) / [modules](#) / [create-site.get.html.ftl](#)

 **rwetherall** RM-1179: Extend create site dialog to set allow creation of DOD compl...

7862116 on Feb 4, 2014

0 contributors

18 lines (14 sloc) | 584 Bytes

[Raw](#) [Blame](#) [History](#)   

```
1 <#assign el= args.htmlid?html>
2
3 <@markup id="rm-custom-fields" target="fields" action="after" scope="global">
4
5     <!-- RM COMPLIANCE -->
6     <div class="yui-gd" id="${el}-compliance-field">
7         <div class="yui-u first"><label for="${el}-rm-is-dod">${msg("label.compliance")}</label></div>
8         <div class="yui-u">
9             <select id="${el}-compliance" name="compliance" tabindex="0">
10                <#list compliance as item>
11                    <option value="${item.id}">${item.name}</option>
12                </#list>
13            </select>
14        </div>
15    </div>
16
17 </@markup>
```



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localhost:48080/share/page/site/rm/documentlibrary#filter=path%7C%2FFinancial%20Records%2FPurchases

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

## Records Management

File Plan > Financial Records > Purchases

Select New Category New Folder File Import Export All Manage Permissions Manage Rules Selected Items... Name...

Navigation

- File Plan
  - Financial Records
    - Purchases
- File Plan
  - Transfers
  - Holds
  - Unfiled Records
- Saved Searches
  - Incomplete Records
  - Records And Record Folders Eligible For Cut Off
  - Records And Record Folders Eligible For Destruction
  - Records And Record Folders Eligible For Transfer
  - Records and Record Folders On Hold
  - Vital Records Due For Review

2015-11-27 15.23.23 (2015-1448637915574).jpg  
Unique Record Identifier: 2015-1448637915574  
Date Filed: Fri 27 Nov 2015 15:23:15  
Modified by: Administrator Modified on: Sat 28 Nov 2015 00:24:18 3 MB  
Description: (None)

**Incomplete Record**  
2015-11-27 15.24.41 (2015-1448637916093).jpg  
Unique Record Identifier: 2015-1448637916093  
Modified by: Administrator Modified on: Fri 27 Nov 2015 15:25:16 3 MB  
Description: (None)

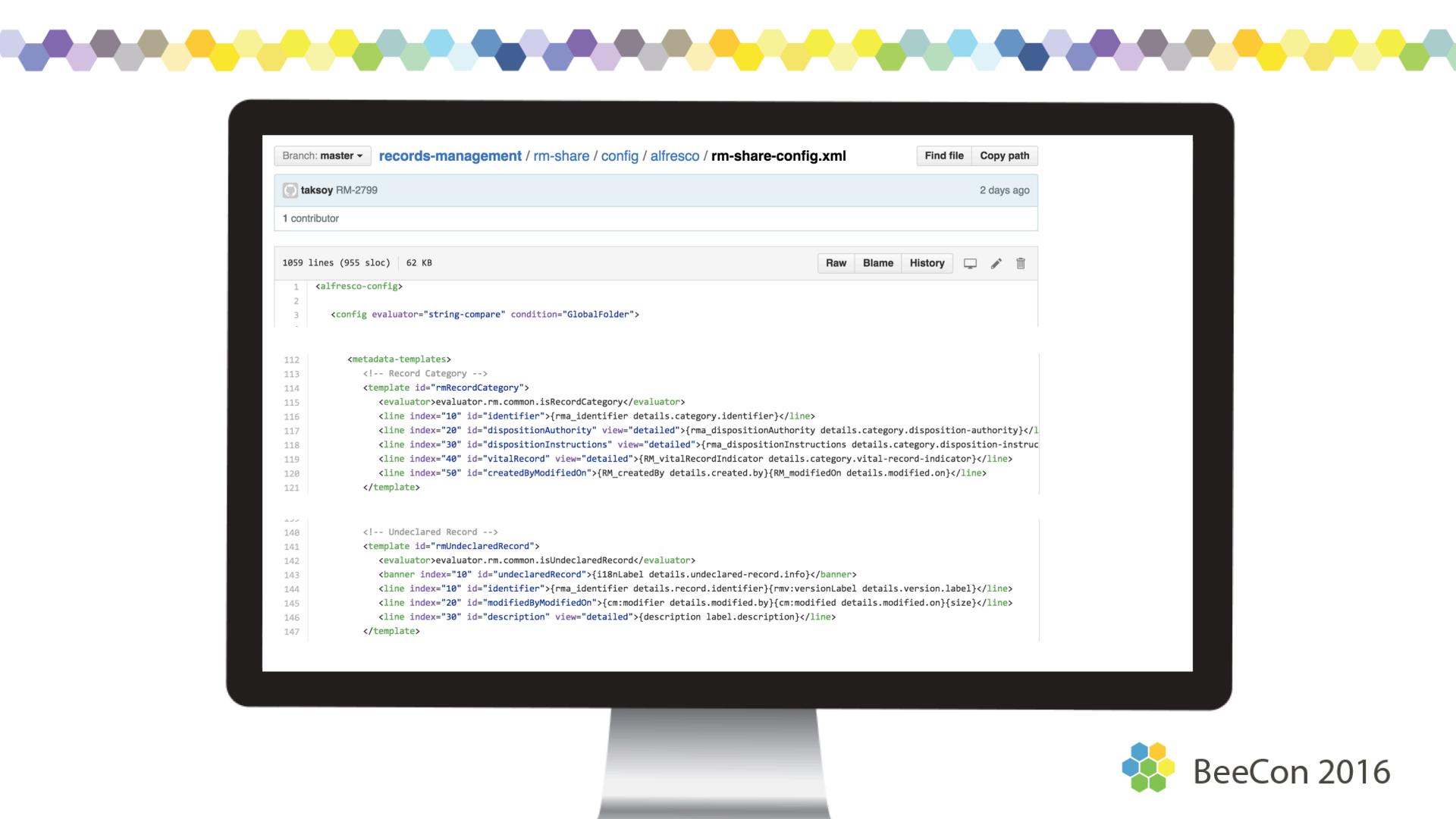
**Incomplete Record**  
Post Office Receipt.jpg  
Unique Record Identifier: 2015-1448638286673  
Modified by: Administrator Modified on: Sat 28 Nov 2015 00:24:18 1 MB  
Description: (None)

1 - 3 of 3 << 1 >>

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Licensed To: Trial User  
Alfresco Software, Inc. © 2005-2015 All rights reserved.



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records-management / rm-share / source / web / rm / components / documentlibrary / **documentlist.js**

 **rweatherall** Removed mistranslated files and commented out code. c0bad3e on Jun 19, 2014

0 contributors

```
95 // Transfer Container title
96 this.registerRenderer("RM_transferContainer", function rma_transferContainer(record, label)
97 {
98     var properties = record.jsNode.properties,
99         transferTitle = this.msg("details.transfer-container.title", $html(record.displayName)),
100        filterObj =
101        {
102            filterId: "transfers",
103            filterData: record.nodeRef,
104            filterDisplay: transferTitle
105        };
106
107        // Transfer location if available
108        var titleHTML = "";
109        if ($isValueSet(properties.rma_transferLocation))
110        {
111            titleHTML = '<span class="title">' + $html(properties.rma_transferLocation) + '</span>';
112        }
113
114        return '<h3 class="filename"><a class="filter-change" href="#" rel="" + Alfresco.DocumentList.generateFilterMarkup(filterObj) +
115           $html(transferTitle) + '</a>' + titleHTML + '</h3>';
116    });
117 ...
```



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Search

Search in: Repository ▾

Search

Filter by:

- ▼ Size  
0 to 10KB 2
- ▼ Created
  - Today 2
  - This week 2
  - This month 2
  - In the last 6 months 2
  - This year 2
- ▼ Creator
  - Administrator 2
- ▼ File Type
  - ✓ Comma Separated Values (CSV) 2
- ▼ Modified 🕒
  - Today 2
  - This week 2
  - This month 2
  - In the last 6 months 2

2 - results found

Relevance ▾

**TOP SECRET**

**invoices 2.csv** ⓘ

Modified Just now by Administrator

Site: 12345

In folder: Invoices

Size: 24 bytes

**SECRET**

**invoices.csv** ⓘ

Modified Just now by Administrator

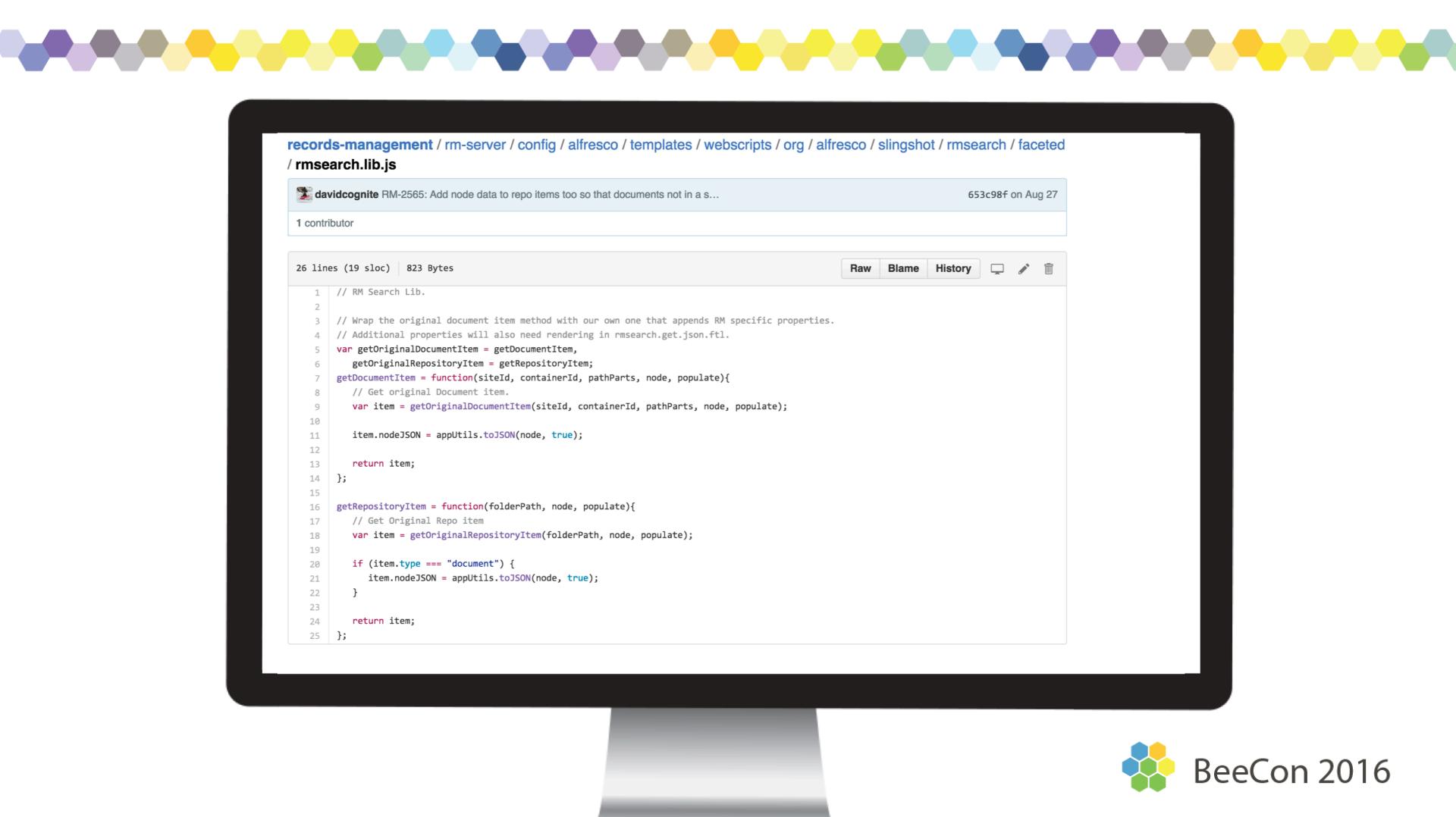
Site: 12345

In folder: Invoices

Size: 24 bytes



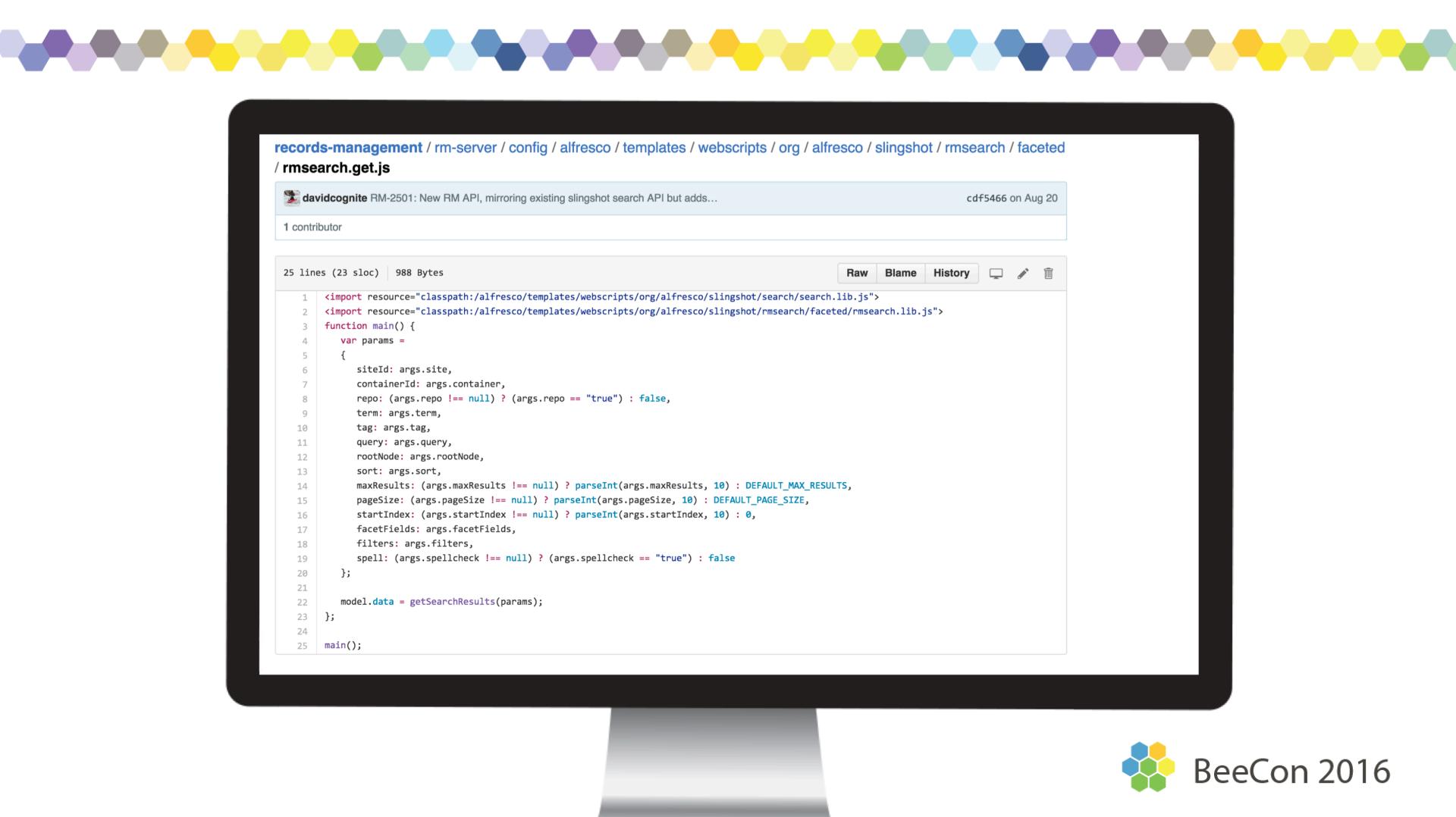
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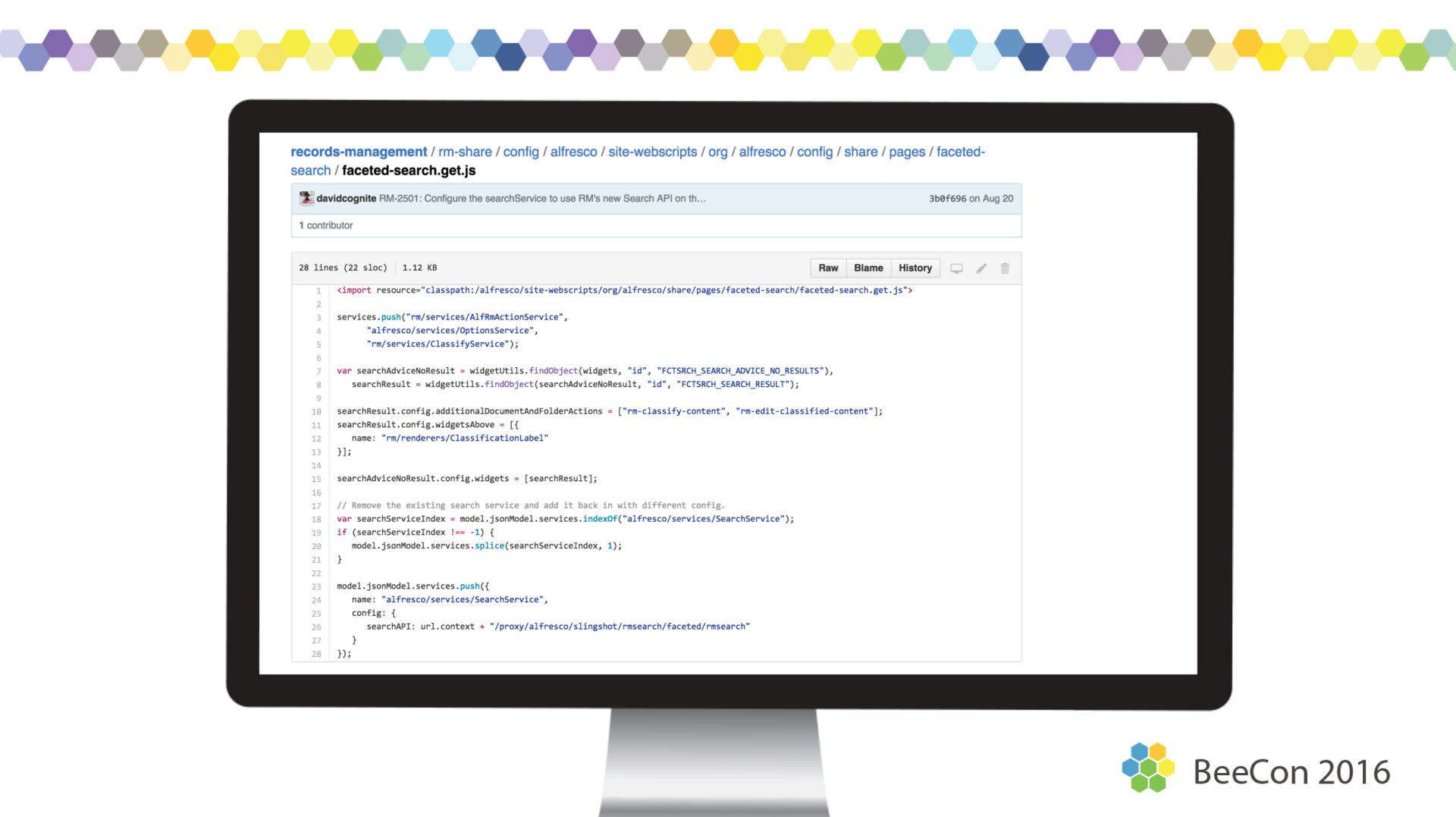
```
1 // RM Search Lib.  
2  
3 // Wrap the original document item method with our own one that appends RM specific properties.  
4 // Additional properties will also need rendering in rmsearch.get.json.ftl.  
5 var getOriginalDocumentItem = getDocumentItem,  
6     getOriginalRepositoryItem = getRepositoryItem;  
7 getDocumentItem = function(siteId, containerId, pathParts, node, populate){  
8     // Get original Document item.  
9     var item = getOriginalDocumentItem(siteId, containerId, pathParts, node, populate);  
10  
11     item.nodeJSON = appUtils.toJSON(node, true);  
12  
13     return item;  
14 };  
15  
16 getRepositoryItem = function(folderPath, node, populate){  
17     // Get Original Repo item  
18     var item = getOriginalRepositoryItem(folderPath, node, populate);  
19  
20     if (item.type === "document") {  
21         item.nodeJSON = appUtils.toJSON(node, true);  
22     }  
23  
24     return item;  
25 };
```



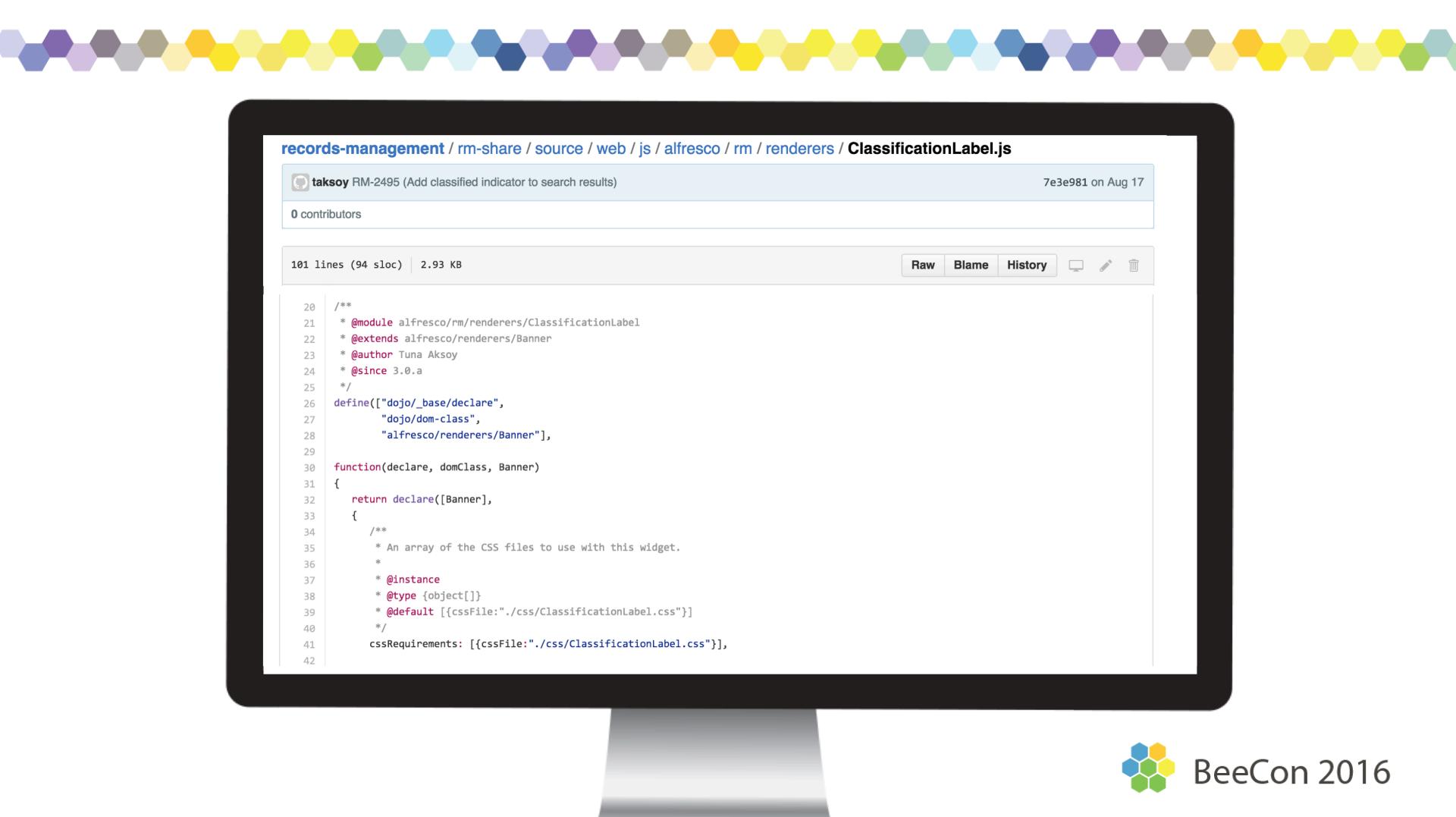
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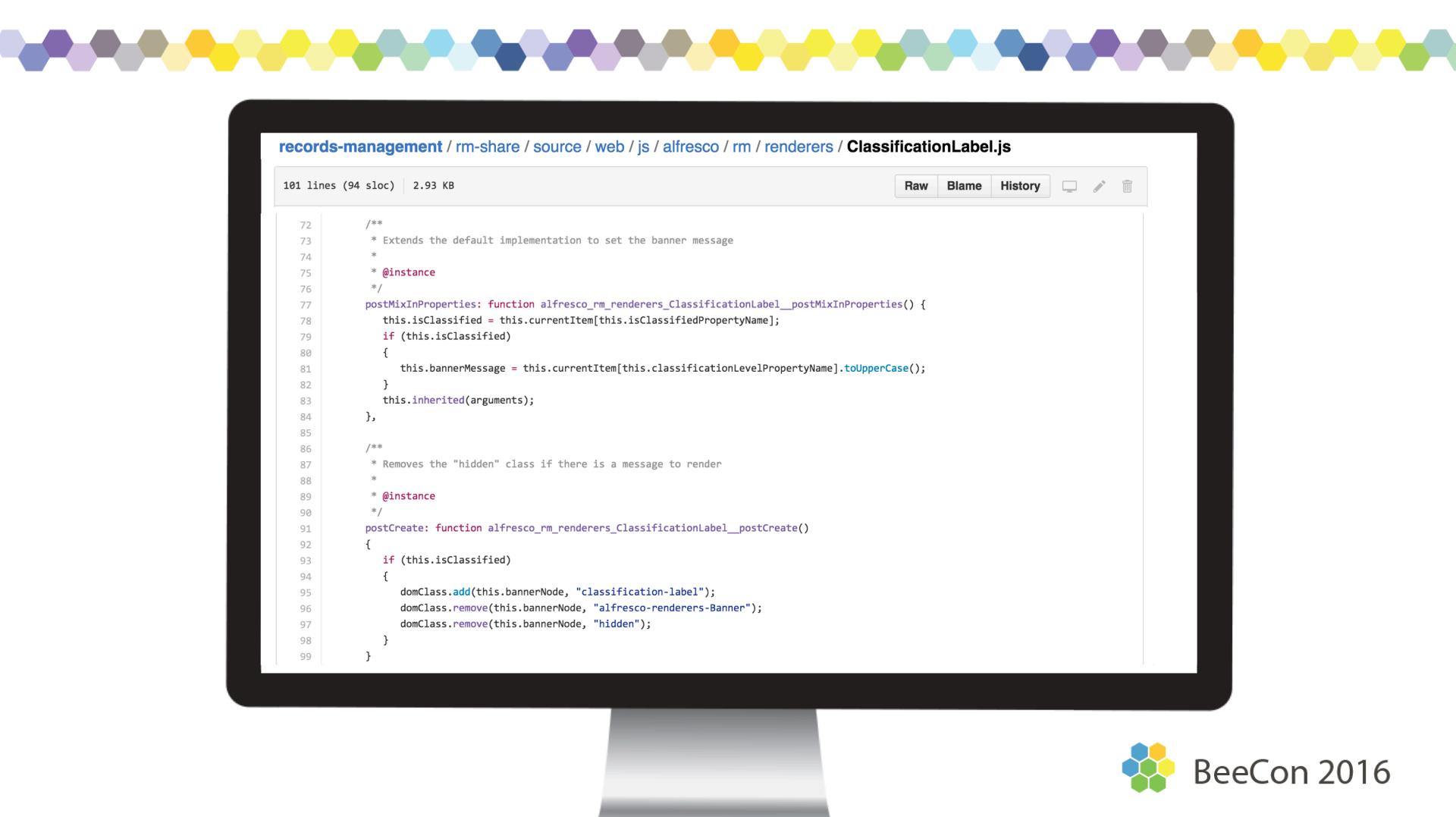


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Home My Files Shared Files Sites Tasks People Repository Admin Tools Administrator Search files, people, sites

Records Management Public

File Plan > Financial Records > Purchases

Post Office Receipt.jpg 1.0  
Modified by Administrator on Sat 28 Nov 2015 00:24:18 Share Download

Post Office Ltd.  
Your Receipt  
FAD: 101020

New Relationship

Post Office Receipt.jpg  
Unique Record Identifier: 2015-1448638286673 Version:

Attachment Select Record Create Cancel

VAT REG No. GB 172 6705 02  
Date of Issue: 27/11/2015 12:42  
SESSION: 3-877621

Relationships Add Relationship

Attachment 2015-11-27 15.23.23 (2015-1448637915574).jpg  
Unique Record Identifier: 2015-1448637915574 Version:

Actions

- Edit Metadata
- Complete Record
- Copy to...
- Move to...
- Link to...
- Delete
- View Audit Log
- Request Information
- Manage Permissions
- Add Relationship

Share

Copy this link to share the current page  
<http://localhost:48080/share/page/site/rm/document-details?nodeRef=workspace%3D&id=2015-1448637915574>

Properties



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Branch: master | [records-management](#) / [rm-share](#) / [config](#) / [alfresco](#) / [rm-share-config.xml](#) | [Find file](#) | [Copy path](#)

taksoy RM-2799 | 2 days ago | 1 contributor

1059 lines (955 sloc) | 62 KB | [Raw](#) | [Blame](#) | [History](#) |

```
670      <!-- Add relationship -->
671      <action id="rm-add-relationship" type="javascript" label="actions.add-relationship" icon="../../rm/components/documentlibrary/actions/rm-add-relationship">
672          <param name="function">onAddRelationship</param>
673          <evaluator>evaluator.rm.action.editReferences</evaluator>
674      </action>
675  </actions>
676
677
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755
756      <actionGroup id="rm-record-browse">
757
758          <action index="260" id="rm-file-to" />
759          <action index="270" id="rm-delete" label="actions.delete" icon="../../rm/components/documentlibrary/images/delete-record" />
760          <action index="280" id="rm-view-audit-log" />
761          <action index="290" id="rm-manage-permissions" />
762          <action index="300" id="rm-add-relationship" />
763
764      </actionGroup>
```



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Branch: master ▾

records-management / rm-share / source / web / rm / components / documentlibrary / **actions.js**

1905 lines (1759 sloc) | 66.4 KB

Raw Blame History

```
1873 /**
1874 * Helper method to publish aikau events
1875 *
1876 * @method _publishAikauEvent
1877 * @param assets {object} Object literal representing one or more record(s) to be actioned
1878 * @param owner {HTMLElement} The action html element
1879 * @param topic The aikau topic which will be published
1880 */
1881 _publishAikauEvent: function RDLA__publishAikauEvent(assets, owner, topic)
1882 {
1883     require(["rm/services/AlfRmActionBridge"], function(Bridge) {
1884         var bridge = new Bridge();
1885         bridge.alfPublish(topic, {
1886             "item": assets,
1887             "owner": owner
1888         });
1889     });
1890 },
1891 /**
1892 * Add relationship action
1893 *
1894 * @method onAddRelationship
1895 * @param assets {object} Object literal representing one or more record(s) to be actioned
1896 * @param owner {HTMLElement} The action html element
1897 */
1898 onAddRelationship: function RDLA_onAddRelationship(assets, owner)
1899 {
1900     this._publishAikauEvent(assets, owner, "RM_RELATIONSHIP_ADD");
1901 }
1902 }
```



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records-management / rm-share / source / web / js / alfresco / rm / services / **AlfRmActionBridge.js**

taksoy RM-1766 ("Add Relationship" Action) 601e426 on Dec 9, 2014

0 contributors

25 lines (23 sloc) | 914 Bytes

Raw Blame History

```
1 /**
2  * Copyright (C) 2005-2014 Alfresco Software Limited.
3  *
4  * This file is part of Alfresco
5  *
6  * Alfresco is free software: you can redistribute it and/or modify
7  * it under the terms of the GNU Lesser General Public License as published by
8  * the Free Software Foundation, either version 3 of the License, or
9  * (at your option) any later version.
10 *
11 * Alfresco is distributed in the hope that it will be useful,
12 * but WITHOUT ANY WARRANTY; without even the implied warranty of
13 * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
14 * GNU Lesser General Public License for more details.
15 *
16 * You should have received a copy of the GNU Lesser General Public License
17 * along with Alfresco. If not, see <http://www.gnu.org/licenses/>.
18 */
19
20 define(["dojo/_base/declare",
21         "alfresco/core/Core"],
22         function(declare, AlfCore) {
23
24     return declare(AlfCore, {});
25 });
}
```



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Branch: master ▾

Find file Copy path

records-management / rm-share / source / web / rm / components / documentlibrary / actions.js

1905 lines (1759 sloc) | 66.4 KB

Raw Blame History

```
1873 /**
1874 * Helper method to publish aikau events
1875 *
1876 * @method _publishAikauEvent
1877 * @param assets {object} Object literal representing one or more record(s) to be actioned
1878 * @param owner {HTMLElement} The action html element
1879 * @param topic The aikau topic which will be published
1880 */
1881 _publishAikauEvent: function RDLA__publishAikauEvent(assets, owner, topic)
1882 {
1883     require(["rm/services/AlfRmActionBridge"], function(Bridge) {
1884         var bridge = new Bridge();
1885         bridge.alfPublish(topic, {
1886             "item": assets,
1887             "owner": owner
1888         });
1889     });
1890 },
1891 /**
1892 * Add relationship action
1893 *
1894 * @method onAddRelationship
1895 * @param assets {object} Object literal representing one or more record(s) to be actioned
1896 * @param owner {HTMLElement} The action html element
1897 */
1898 onAddRelationship: function RDLA_onAddRelationship(assets, owner)
1899 {
1900     this._publishAikauEvent(assets, owner, "RM_RELATIONSHIP_ADD");
1901 }
1902 }
```



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[records-management / rm-share / config / alfresco / site-data / extensions / alfresco-rm-extension.xml](#)

taksoy RM-2799 (Move content classification support into RM Enterprise AMPs)... 32d26b6 2 days ago

1 contributor

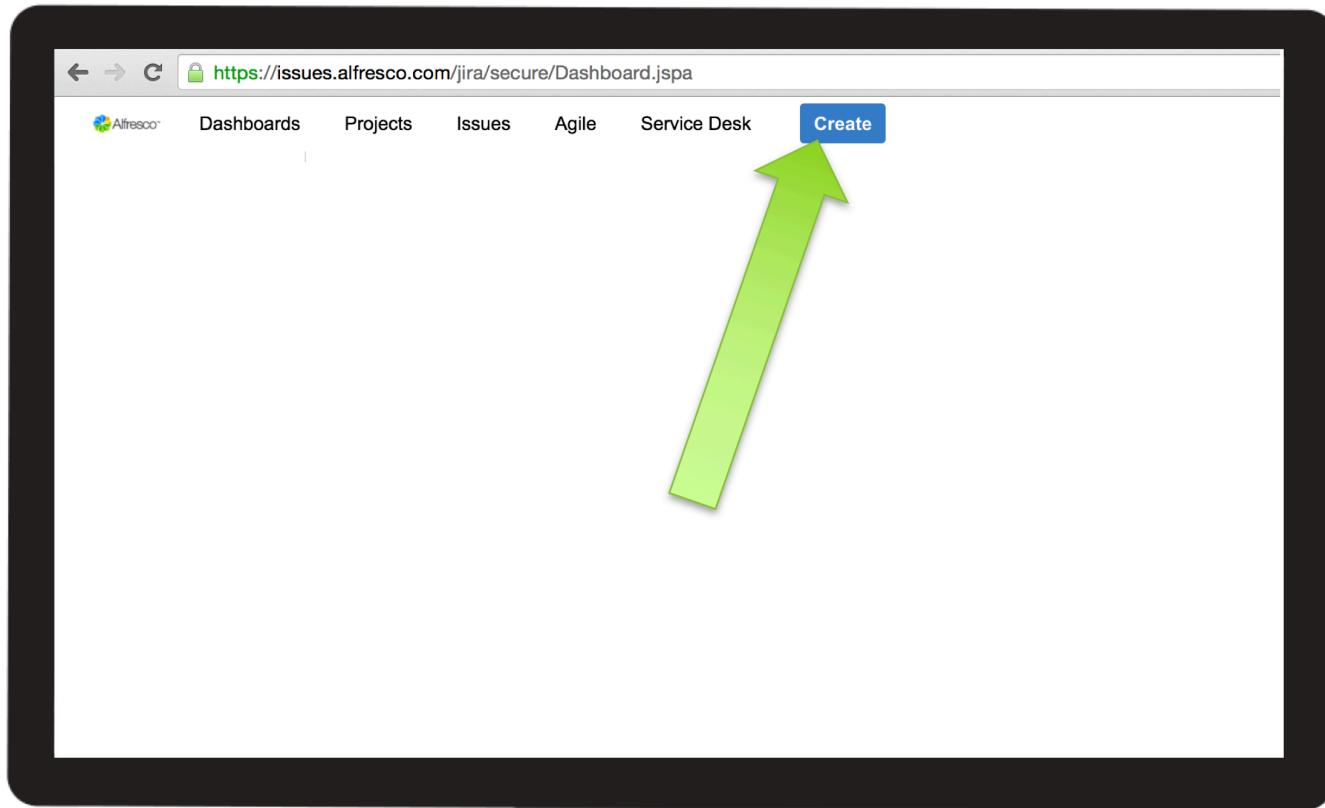
757 lines (702 sloc) | 33.1 KB

Raw Blame History

```
685      <components>
686          <!-- Add RM Relationships -->
687          <component>
688              <scope>template</scope>
689              <region-id>web-preview</region-id>
690              <source-id>document-details</source-id>
691              <sub-components>
692                  <sub-component id="rm-relationships">
693                      <evaluations>
694                          <evaluation id="rm-relationships">
695                              <url>/relationships</url>
696                          </evaluation>
697                      </evaluations>
698                  </sub-component>
699              </sub-components>
700          </component>
```



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# More Info

<http://docs.alfresco.com/5.1/concepts/dev-extensions-share.html>





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# Questions?

@davidcognite