



**Manage your documents on your DMS from Drupal using CMIS module**

By @Florent\_Torre, @Miss\_libert - Drupalfr Marseille meetup Septembre 2020





1. Context
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## Speakers' introduction



Ines WALLON, @Miss\_libert



Florent TORREGROSA, @Florent\_Torre

# CONTEXT

The requirement

What is CMIS?





## Context:

## The requirement



### Drupal and DMS:

- In a majority of cases, document management is done on Drupal directly.
- Be able to connect a Drupal website to an external dedicated tool
  - Tool already in place
  - Access management delegated
  - Document versioning

### The project driving our contribution:

- Developing an intranet for storing documents and delivery forms on an Alfresco DMS, using Drupal as a simplified user interface.

## Context:

## What is CMIS?



“**CMIS** (*Content Management Interoperability Services*) is an [open standard](#) that allows different [content management systems](#) to inter-operate over the Internet.”

### CMIS query example

```
SELECT * FROM cmis:document WHERE cmis:name='commissions'
```

# MODULE'S HISTORY



## Module's history:

### Drupal 7 and before (hypothesis)

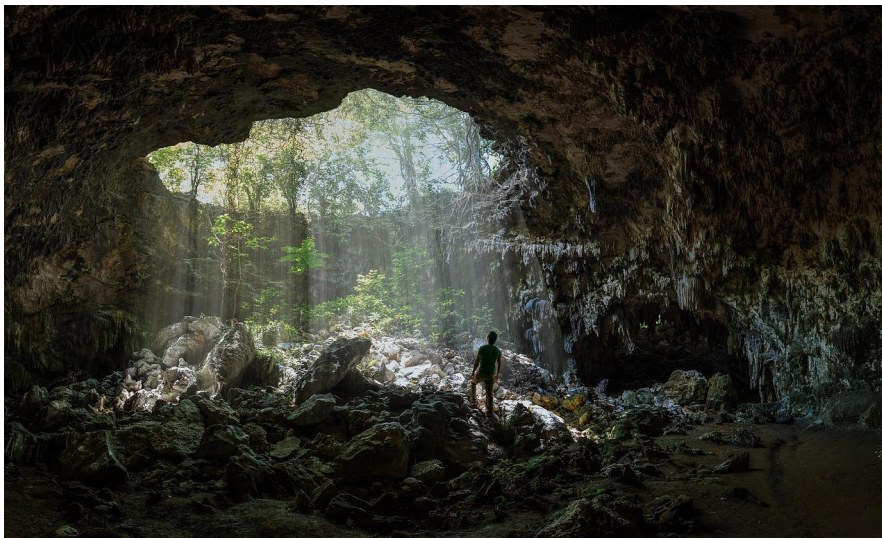
#### [CMIS Alfresco \(D6\)](#) :

- Deprecated in favor of the CMIS API module

#### [CMIS API \(D7\)](#) :

- Initially an initiative (maybe partnership?) between Acquia and Alfresco because a lot of people involved indicate working at Alfresco on their drupal.org profile.

#### [CMIS Views \(D7\)](#)





## Module's history:

### Drupal 8



#### 8.x-1.x-dev

- Port of the Drupal 7 version but non-optimal usage of object oriented code provided by Drupal 8 (no service, object non easy of use (DX), ...)

#### 8.x-2.x-dev (our contribution started from this branch)

- Use a new version of the ***dkd/php-cmis-client*** library (Guzzle 6 compatible)
- Codebase stabilization (Drupal Coding Standard, deprecations removal)
- Add new features



# CURRENT FEATURES



## Current features:

### Define CMIS connections

Add the "CMIS folder ID" setting to get a file browser from this folder (new)

## Ajouter cmis connection ☆

[Accueil](#) » [Administration](#) » [Configuration](#) » [Entités CMIS connection](#)

### Étiquette \*

Label for the CMIS connection.

### CMIS browser url \*

Enter CMIS browser url. Example: `http://my-cmis.com/alfresco/api/-default-/public/cmisis/versions/1.1/browser`

### CMIS user

Enter CMIS user name.

### CMIS password

Enter CMIS password.

### CMIS repository id

Enter CMIS repository id. If empty the first repository will be used

### CMIS folder id

Enter CMIS root folder id. If empty the root folder will be used

☐ CMIS cacheable

Check if repository will be cacheable

**Enregistrer**

## Current features:

Sub module: CMIS  
Alfresco Auth User (new)

Allows you to use  
different users for the  
CMIS connection without  
having to define a CMIS  
connection for each user.

## Authentication using Alfresco's ticket system

```
$ curl --header "Content-Type: application/json" --request POST --data  
'{"userId":"admin","password":"admin"}' http://localhost:8080/alfresco/api/-default-/public  
/authentication/versions/1/tickets  
{  
  "entry":  
    {  
      "id": "TICKET_08eb7e2e2c17964ca51f0f33186cc2fc9d56d593",  
      "userId": "admin"  
    }  
}
```

```
$ echo -n 'TICKET_08eb7e2e2c17964ca51f0f33186cc2fc9d56d593' | openssl base64  
VELDS0VUXzA4ZWl3ZTJlMmMxNzk2NGNhNTFmMGYzMzE4NmNjMmZjOWQ1NmQ1OTM=
```

```
curl -X GET -H 'Accept: application/json' -H 'Authorization: Basic  
VELDS0VUXzA4ZWl3ZTJlMmMxNzk2NGNhNTFmMGYzMzE4NmNjMmZjOWQ1NmQ1OTM=' 'http://localhost:8080/alfresco  
/api/discovery' | jq
```

## Current features:

### File browser:






- Access control if the user can upload or delete a file / create or delete a folder (new)

### CMIS Browser

[Add document](#) [Create folder](#)

Racine / réunions DSI / 2020 / 08 / test direction

Show  entries Search:

Nom	Détails	Auteur	Créé	Description	Operation
 0-direction		admin	2020-08-27 07:55:38		<a href="#">Propriétés</a> <a href="#">Supprimer</a>
 Aaaa.png	121.77 KB	admin	2020-08-27 07:58:09		<a href="#">Propriétés</a> <a href="#">Supprimer</a>
 Capture d��cran 2020-08-17 �� 11.43.33-fullpage.png	288.88 KB	admin	2020-08-27 07:56:51		<a href="#">Propri��t��s</a> <a href="#">Supprimer</a>
 Floppy-Disk.jpg	60.37 KB	admin	2020-08-27 07:55:59		<a href="#">Propri��t��s</a> <a href="#">Supprimer</a>
 H9IAAYu.jpg	12.01 KB	admin	2020-08-27 07:57:04		<a href="#">Propri��t��s</a> <a href="#">Supprimer</a>

Showing 1 to 5 of 5 entries Previous **1** Next



## Current features:

### CMIS query page

#### Requête CMIS

##### Configuration

Ged


Sélectionner la configuration pour le dépôt.

##### paramètres d'URL

```
select * from cmis:document WHERE cmis:name="Floppy-Disk.jpg"
```

Saisir une requête CMIS valide.

Exécuter

Nom	Détails	Auteur	Créé	Description	Opération
 Floppy-Disk.jpg	60.37 KB	admin	2020-08-27 07:55:59		<a href="#">Propriétés</a> <a href="#">Supprimer</a>

## Current features:

### Field formatters:

- Link to a CMIS document
- File browser starting on a selected folder (new)

Accueil / Reunions / Réunion 1 / 2020 / 08 / Réunion

## Réunion

Voir Modifier Supprimer Révisions

Contenu de la page

Add document Create folder

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Show 10 entries Search:

Nom	Détails	Auteur	Créé	Description	Operation
0-direction		admin	2020-08-27 16:46:24		Propriétés Supprimer
Florent.jpg	14.87 KB	admin	2020-08-27 16:46:58		Propriétés Supprimer
Ines.jpg	9.87 KB	admin	2020-08-27 16:46:49		Propriétés Supprimer
Tableur Exemple.ods	7.34 KB	admin	2020-08-27 16:47:10		Propriétés Supprimer

Showing 1 to 4 of 4 entries

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# DEMO



# NEXT STEPS



## Next steps

Rethink codebase's architecture:

- Services
- Connections factory
- Routes

Rethink how the display is done to ease the theming and overrides

Audit the UI strings

Refactor authentication part (support Nuxeo, etc.)

Implement sort and pager on the file browser (depends on the PHP CMIS Client library)

Media integration

Implement automated tests:

- Hard setup





Thank you for your attention!

Do you have any questions?



I.T IS OPEN