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# Drupal, the perfect document management frontend

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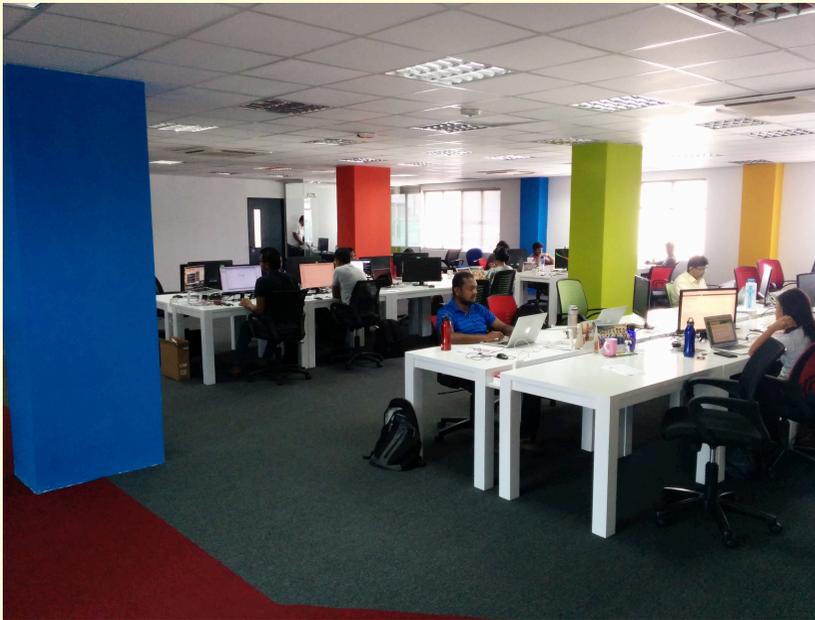
# Sri Lanka





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# Drupal, the perfect document management frontend



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# Agenda

- ☪ Introduction
- ☪ Problem
- ☪ Solution
- ☪ What we developed
- ☪ Solution 1 - Demo
- ☪ Solution 2 - Demo



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# Introduction

Document management has become a very important aspect to companies/ organizations in today's world and almost all companies use documents on a daily basis for their work. But do they manage the documents properly?



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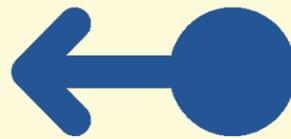
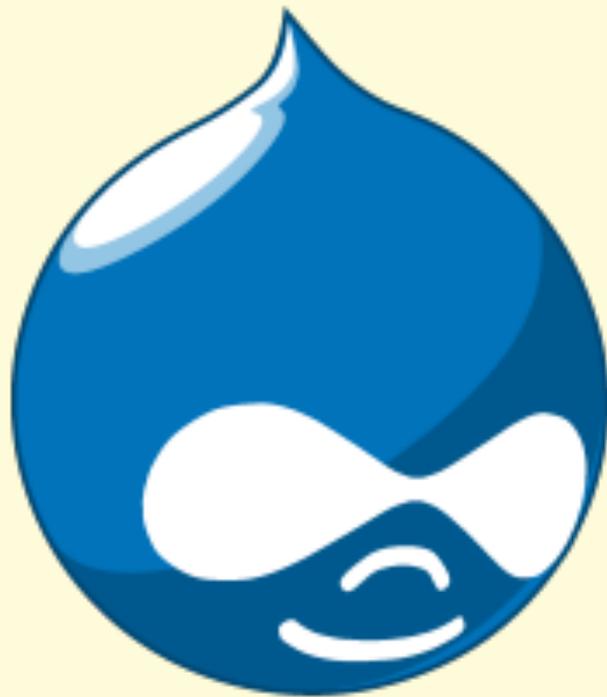
# Problem

- Most Companies/Organizations use multiple systems to access Content and Documents which is not very user friendly
- Most Document Management Systems (DMS's) does not provide a rich user interface
- The worst out of all is that the fact that most companies ignore document management altogether



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# Solution





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# Solution - Pros

- The user will have access to all they need within one system
- We can have a nice rich interface and also have the option of changing it at will
- We can make use of all the JavaScript plugins out there
- We can collaborate easily when everything is one place.



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# WHAT WE HAVE DEVELOPED

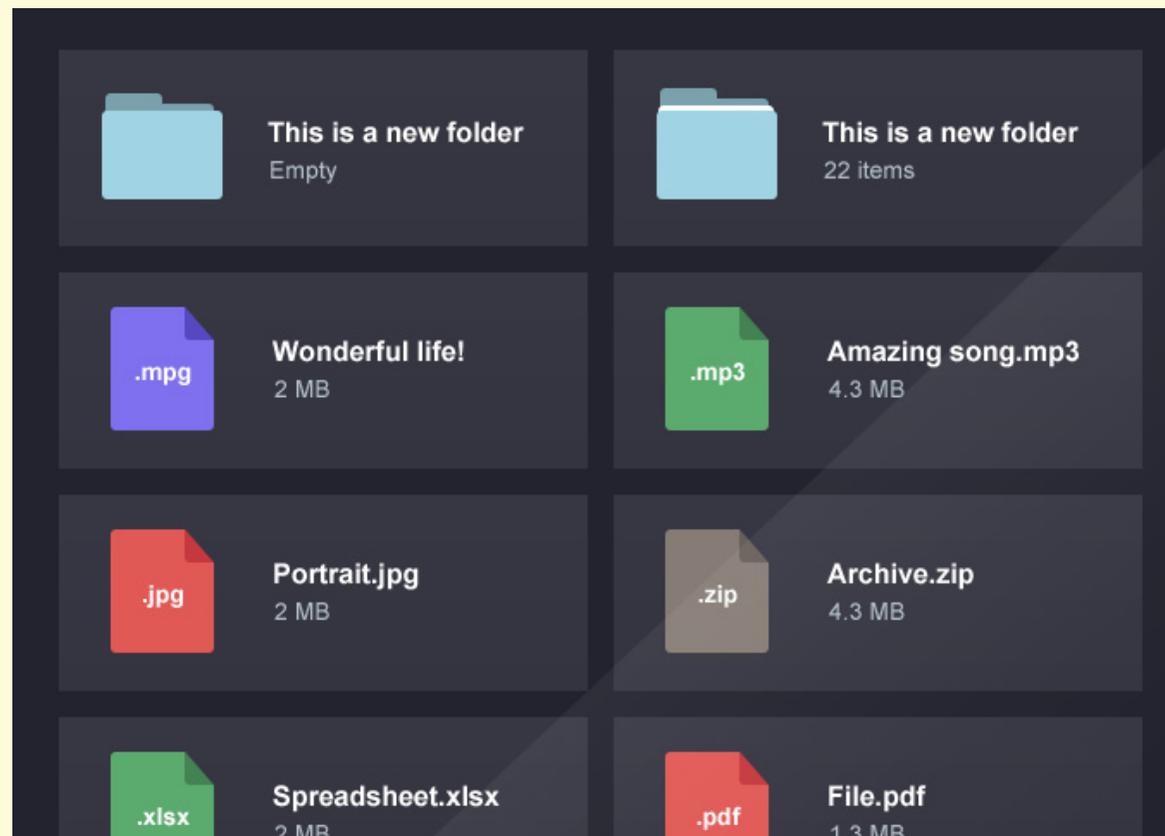




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# WHAT WE HAVE DEVELOPED

## File Browser





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# WHAT WE HAVE DEVELOPED

## File Preview

Browser address bar: [https://app.box.com/files/0/1/1/f\\_32649472931](https://app.box.com/files/0/1/1/f_32649472931)

Navigation: Apps, Bookmarks, Gmail, Real Time Unicode, Other Bookmarks

File Path: All Files > EAP Films and Theaters Private Limited.pdf

Actions: Open, Share, Download, ...

Activity: Info

Enter Comment

Niraj Meegama uploaded version 1  
June 29, 2015 at 11:56 PM

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**E - Ticket**

Thank you for making your online movie ticket reservation. Please find your transaction details and PRINT the receipt of your booking confirmation and present this at the cinema.  
A copy of your confirmed booking has been emailed to you.

User Details		Booking Details	
Full Name	Niraj Meegama	Booking ID	226542600101510
National Identity Card No	833184510	Payment Tx Ref. No	11891162200
Address	143, Mahipala Road, Kandy, Sri Lanka	Theater Name	Sealy 3D - Welisara
City	Kandy	Movie Name	Juvaree Shree
District	Kandy	Booking Date	Friday the 19th of June, 2015
Mobile	0715822554	Show Time	9:30 PM
Default Number	0715822554	Seat Category	CCC
E-Mail	nirajm@gmail.com	Total Tickets	4
		Seat Numbers	118,119,120,121

Booking Seat Details			
Type	Qty	Rate	Total
Full	3	Rs. 300.00	Rs. 1,000.00
Half	1	Rs. 400.00	Rs. 400.00
Total			Rs. 2,000.00

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# WHAT WE HAVE DEVELOPED

## Activity Stream integration

### Activity Stream



Yesterday



**Rosie Jameson** updated the Rank of ANGRY-74 - Please fix the yellow bird

Yesterday at 12:36 PM



**Rosie Jameson** updated the Rank of ANGRY-74 - Please fix the yellow bird

Yesterday at 12:36 PM



**Sherif Mansour** updated the Scheduled Deployment Date of ANGRY-311 - This is an exception

Yesterday at 10:44 AM

Friday



**Jimmy Kurniawan** removed the Assignee of ANGRY-297 - CLONE - clone sub task one

Friday at 11:01 AM

Tuesday



**Susan Griffin** updated the Description of ANGRY-306 - Red Nerd should have his mouth open on impact

This relates to ANGRY-304

Tuesday at 3:25 PM



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# WHAT WE HAVE DEVELOPED

## Document Annotations

intouganda.doc [Compatibility Mode] - Microsoft Word

Home UIS Annotate E101 WpAnnotate Insert Page Layout References Mailings Review View Developer

Open Save E-mail Word Basic

Specificity Placement Structure Title Revelation Positives Thesis

Narration Allusions Description Evidence Fig. Language Positives Rhetorical Tools

Introductions Transitions Words/Phrases/Sentences Quotations/Citations Positives

Conclusions Subheads Topic Sentences Positives Organization Voice and Vitality

Commas to Dashes Positives

Insert Comment Strikeout Highlight Commenting

graduation McCandless leaves his family, gives his money to charity, abandons his car and sets off to Alaska. They were both of similar age and points in their lives when they decided to make such a drastic change. McCandless and Garrigan have some similarities in characteristics and that is why he is a good candidate to replace Garrigan but there are plenty of differences as well. McCandless would be able to bring a lot of personal experience playing the role of Garrigan and also a different point of view of the world. It is said that McCandless left his world behind to find solitude because he was not satisfied by a materialistic world. Even though he and Garrigan did not have the same exact principles they both wanted a different life and actually went for it.

A very notable scene in the movie is when Amin asks Garrigan to be his doctor. At first Garrigan politely and respectfully turns down the job because he has made prior engagements with the local hospital. He initially is not driven by money or power and does want to help out the people of Uganda. McCandless would relate to Garrigans first reaction because he too is not persuaded by power and fame. McCandless would happily, with a grin on his face, turn down Amin's job offer. With a little persuasion from Amin, Garrigan quickly becomes intrigued and

**Comment [AJM1]:** Effective use of punctuation; your ideas are clearer because of your ability to punctuate.

**Comment [AJM2]:** Can you attribute this comment? It doesn't carry any weight without a source.

**Comment [AJM3]:** Apostrophe is needed, is unnecessary, or is misused.  
• Fix it to show possession, a contraction, or certain plurals.  
• For more help see: EW p. 115-17.

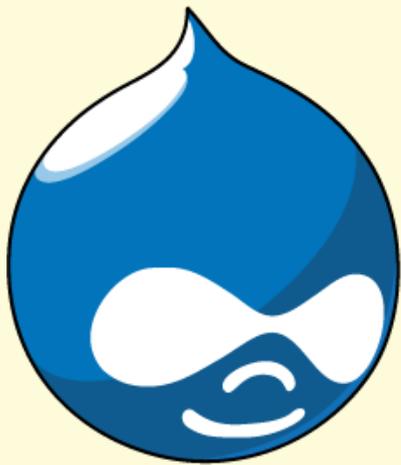
Page: 3 of 12 Words: 3,850 114%



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# WHAT WE HAVE DEVELOPED

CMIS (Content Management Interoperability Service) module improvements





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# WHAT WE HAVE DEVELOPED

## Themed the browser

### CMIS Repository

Actions

Root ▶

name	type	size	author	last modified	properties	delete
Data Dictionary	Space		System	9/9/2014 8:58 AM	<a href="#">properties</a>	<a href="#">delete</a>
Guest Home	Space		System	9/9/2014 8:58 AM	<a href="#">properties</a>	<a href="#">delete</a>
User Homes	Space		System	2/9/2016 7:53 AM	<a href="#">properties</a>	<a href="#">delete</a>
Shared	Space		System	9/9/2014 8:58 AM	<a href="#">properties</a>	<a href="#">delete</a>
Imap Attachments	Space		System	9/9/2014 8:58 AM	<a href="#">properties</a>	<a href="#">delete</a>
IMAP Home	Space		System	9/9/2014 8:58 AM	<a href="#">properties</a>	<a href="#">delete</a>
Sites	Space		System	9/9/2014 8:58 AM	<a href="#">properties</a>	<a href="#">delete</a>

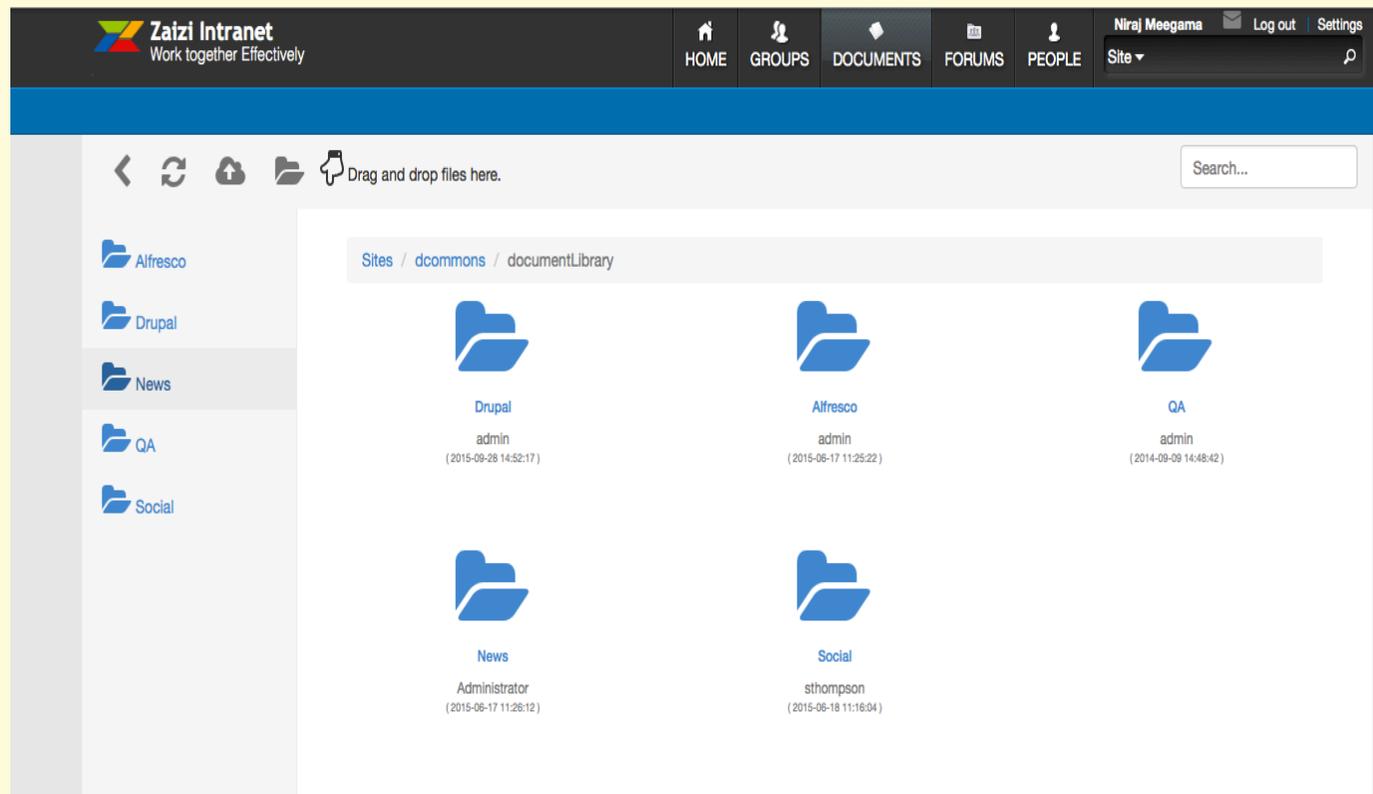
Before



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# WHAT WE HAVE DEVELOPED

## Themed the browser



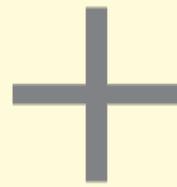
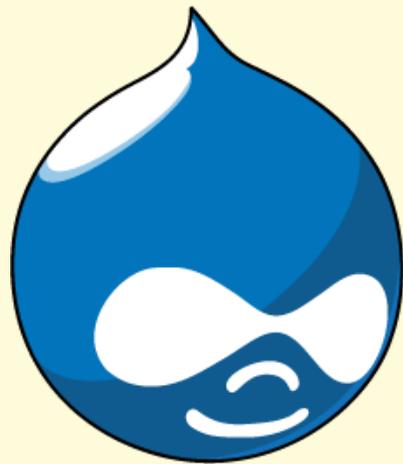
After



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# Solution-1

## Drupal - Alfresco

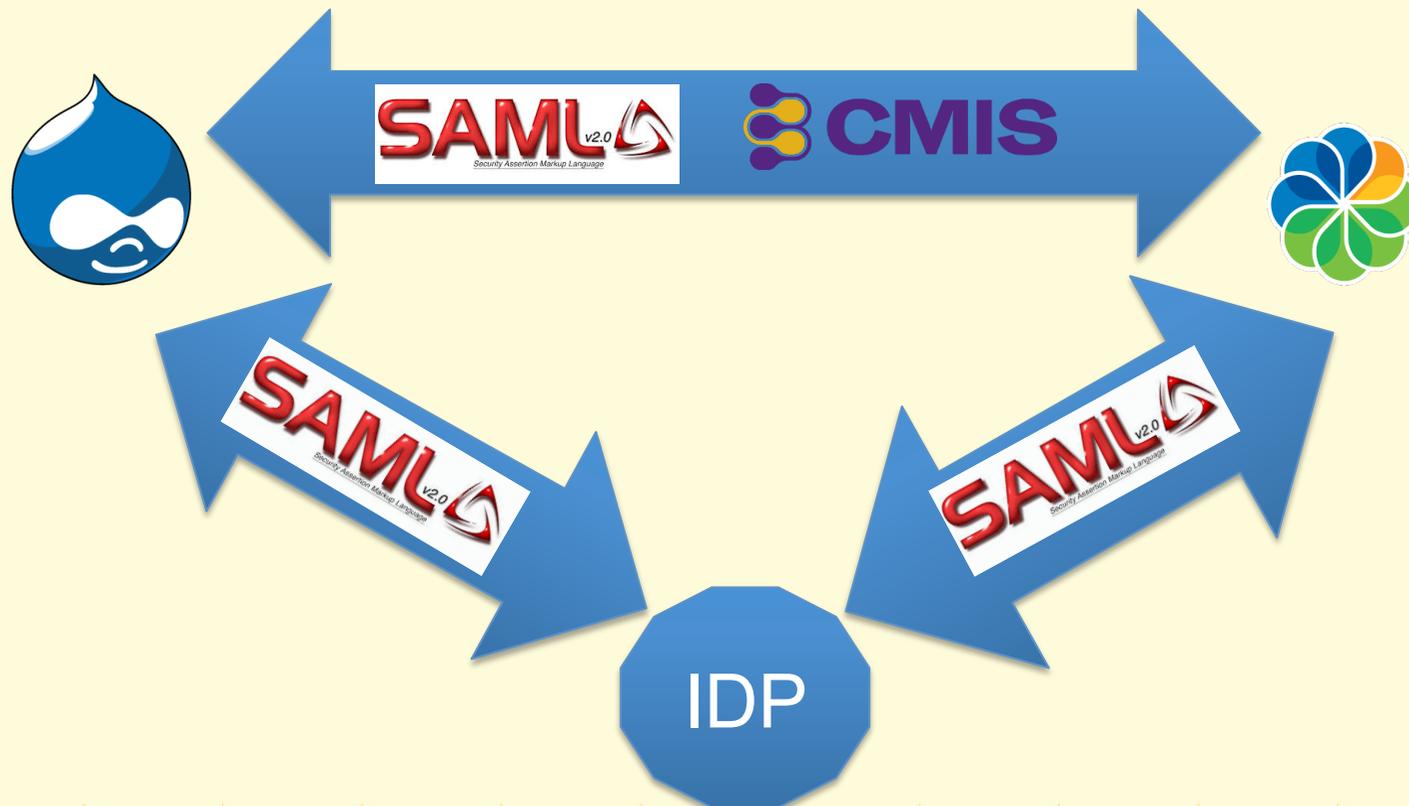




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# Solution-1

## Architecture





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# Solution-1

## Configuration

```
$conf['cmis_repositories'] = array(  
  'default' => array(  
    'user' => '<cmis_user_username>',  
    'password' => '<cmis_user_password>',  
    'url' => 'http://path/to/cmis/interface'  
  )  
);
```

### Settings:

- \* user – Generic username used by `cmis_common` to authenticat  
– optional, used by `cmis_common`
- \* password – Generic password used by `cmis_common` to authent  
– optional, used by `cmis_common`
- \* url – CMIS repository endpoint url  
– mandatory, used by `cmis_common`
- \* label – repository label  
– optional, used by `cmis_browser`'s CMIS repository s
- \* browser\_default\_folderId, browser\_default\_folderPath  
– default CMIS folder displayed by `cmis_browser` module  
– optional, defaults to `repositoryInfo[cmis:rootFolder`
- \* transport – Drupal's module that implements `hook_cmis_invo`  
– `$url` – CMIS absolute REST url  
– `$properties` – request properties  
– `$settings` – CMIS repositories settings  
– optional, defaults to `cmis_common` used by `cm`  
– See `cmis_headerswing` section below for more inform



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# Solution-1

## Configuration

The screenshot shows the Drupal administration interface. At the top, there is a navigation bar with links for Home, Menu, Shortcuts, Documentation, and a user profile for Niraj Meegama. Below this is a secondary navigation bar with icons and labels for Content, Structure, Appearance, People, Modules, and Configuration. The main content area has a dark header with the text "Home" and "Set Root location for CMIS Browser". A green message box indicates that the configuration options have been saved. Below this, the "Root Directory" field is set to "/Sites/dcommons/documentLibrary". A blue "Save configuration" button is visible at the bottom of the configuration area.

Home Menu Shortcuts Documentation Niraj Meegama

Content Structure Appearance People Modules Configuration

Home

### Set Root location for CMIS Browser

✓ The configuration options have been saved.

**Root Directory**

Root folder for CMIS nodes

**Save configuration**



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# Solution-1

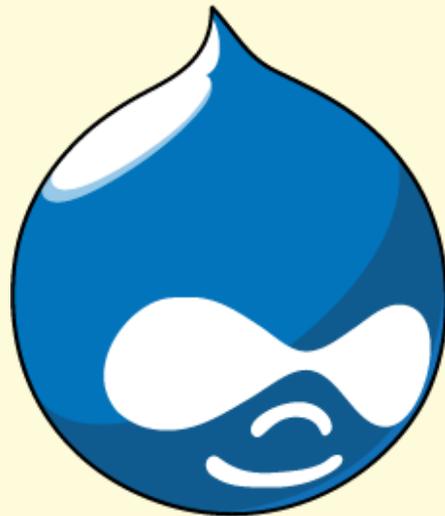
## Demo



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# Solution-2

## Drupal - Box



+

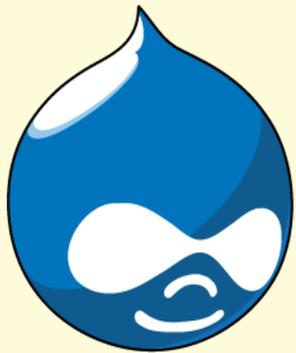




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# Solution-2

## Architecture





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# Solution-2

## Demo



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# Future Plans

- **Drupal 8** Development (Going on)
- Implement Oauth2 for Alfresco Integration
- Integrate the Drupal workbench module
- Integrate workflows with annotations
- Improve UI for BOX integration
- Federated Search



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Questions?



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# Downloads and Support

- <https://github.com/zaizi>
- <https://www.drupal.org/sandbox/zaizi/2453689>
- [sales@zaizi.com](mailto:sales@zaizi.com)
- [nmeegama@gmail.com](mailto:nmeegama@gmail.com), [nmeegama@zaizi.com](mailto:nmeegama@zaizi.com)



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# Keep in touch

- [drupal.org](https://drupal.org) : nmeegama
- Twitter: @nmeegama
- github: nmeegama



**WHAT DID YOU THINK?**  
**EVALUATE THIS SESSION**

[asia2016.drupal.org/schedule](http://asia2016.drupal.org/schedule)