
User Level Documentation

Hitesh Sofat, BRL-CAD Open Source <sofathitesh@gmail.com>

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Introduction

BRL-CAD has more than a million words of documentation (thousands of pages) in a variety of formats. We have a long-term goal to consolidate as much as possible into the Docbook format so that it can be more directly managed by our revision control system and integrated with the source code. At the same time, we have a user-editable pages that is really easy for users and developers a like to keep up to date. The two, however, are not immediately compatible with one another. Data is not shared or synchronized.

The main goal of this project would be to synchronize the two so that edits to either are reflected in the other without loss of data. One of the main challenges is how to retain the more expressive Docbook markup within Website so that edits via the pages are not "dumbed down" to the more simple Mediawiki syntax.

The initial thoughts on our end are to implement a wordpresss Plugin that understands how to translate to/from the Docbook format that faithfully preserves all Docbook tagging. You're welcome to suggest another approach.

A great starting point for this project are our existing command sets for BRL-CAD and MGED (our main geometry editor). They respectively constitute approximately 400 and 700 commands that have a page of documentation each.

Installation

Requirements

- Install Apache server

- Install window or Linux
- Install Mysql Database
- Install Wordpress

Setup Project on your server

- Download the code using "git clone command"
- Copy these plugins "brlcad-docbook" , "google_Language_Translator" folder to your wordpress plugin directroy ex:- wordpress/wp-content/plugins/
- Copy the "brlcad" folder to Theme directroy of wordpress ex:- wordpress/wp-content/themes/
- Download the brlcad code using this command

svn checkout https://svn.code.sf.net/p/brlcad/code/brlcad/trunk brlcad_resource
- Copy the copy_document.sh script file to brlcad resource code "brlcad_resource"

Now for activating the theme and plugin

- Open your wordpress account as wordpress admin
- Go in plugin section and click on active brlcad-docbook, google_Language_Translator plugin
- Go in appearance and then click on theme.
- Now click on brlcad theme active button so then your theme is activated.

Now for plugin settings

- Go to plugin directory

"wordpress/wp-content/plugins/brlcad-docbook"
- open config.php file
- Set you brlcad source code path
- set your review directory path (which are placed in wordpress folder if there is not placed then make one directory there and set the name of directory is review)
- Set your "new_document" directory path which are placed in wordpress root. ex:- word-press/new_document/

Now for copy_document.sh script settings.

- Copy the script and place in brlcad source folder ex:- mybrlcadsource/brlcad/trunk/
- Open copy_document.sh in editor and do some settings
- set the brlcad source code directory path
- set the wordpress directory path

How to run the project

- give appropriate permissions to copy_document.sh file using: `chmod 775 copy_document.sh`
- run `./copy_document.sh`
- Open wordpress control Panal. Click on create new Page and make the new page.
- Select "BRL-CAD Manual" theme for new page which you created. From "page Attributes section".
- Click on settings and click on "Reading" under the setting section.
- Click on static page option and set your new created page as default "front page".
- Now make the two folder with these names "review" and "new_document" in your wordpress root forlder. ex:- wordpress/
- Copy the these xml files from resource which you downloaded from github "all_template.xml" and "book_template.xml" into new_document folder.
- open you browser and type link like:-

`http://servername/wordpress_folder_name/articles/en/about.php`

Here servername can be replaced with localhost if you are trying to run the project on your own computer.

XML FILES (First option of plugin)

This option show you all xml documents which are exits in BRL-CAD resource code.

Edit Option

Edit option allow you to edit the file online. when you click on edit button then you open your selected file in edit mode into editor.

Delete Option

The next option allow to delete the document file. This option working for admin not for user. When admin click on delete button then CMakeLists.xml file open in editor in this Admin need to erase the name file from CMakeList which admin want to delete.

Review Edit (Second option)

This section Contains the all thoese files which are edit by user. And file are under the review of admin. This option for admin not for user.

New Document (Third option)

This section gives help to user to contribute the new document in BRL-CAD. In this section user need to enter the some details for new Document like name, Category and language and then user click on "Create" button then new document is auto matically created.

ALL Document (Fourth option)

This section show the all file created by user to accroding to user name. This section also provide the some other features.

Submit for review

This option provide the to user to submit the document to admin for review the document content.

Edit

This option provide the help to user to edit the document online

Invite Users

This option provide the help to user to invite the other user for edit the document. This option work on emails id's user enter the emails of other user which they want to invite.

Rename

This option provide the help to user to rename the file.

Delete

This option used for delete the new document which are created by user

Review new Document (Fivth option)

This option work for admin. This option provide the help to admin to review the new document which submitted by user.

Preview

This option help to admin to convert the xml file to html and open for show the content of file as HTML format.

Delete

This option for admin to delete any new document which are under review.

Accept

This option allow to admin to add the new document in BRL-CAD resource.

Reject

This option to reject the document. In this option document not deleted but he removed for review list and show under user panel. This option also work on mail. when admin reject the document then admin need

to gave the reason why he reject the document. And all reason send to user who is created that document using email's id's.