DokuWiki Server

This guide is for installation instructions of a DokuWiki private site, or a DokuWiki help server for a Joomla 3.9 website installation and help pages served by DokuWiki. This is specific for my personal needs, but might help you in setting up a highly customized dokuwiki server instance.

Installation

1. Go to Download DokuWiki and configure your download to include:
   - Version: stable
   - Languages: en, de, fr, ko, th
   - Popular Plugins: CAPTCHA, Upgrade, Wrap, Translation.
   - For a general purpose server, add Popular Plugins: Video Share, Gallery.
2. Unzip the download to your web server directory, then run /path/to/wiki/install.php
3. Install bethico template for DokuWiki
4. Install the Icons Plugin for FontAwesome icons
5. Install the condition Plugin
6. Install the Include Plugin
7. Install the date Plugin
8. Install the TocTweak Plugin

General Purpose Server

1. Install sqlite Plugin (required for Calendar Plugin)
2. Install davcal Plugin (Calendar Plugin with CalDAV sharing support)
3. Install Comment Plugin
4. Install Discussion Plugin
5. Install Google Maps Plugin
6. Install whoisonline Plugin
7. 🔧 Fix Me! hover css and icon links to websites

🔧 Fix Me!

1. Google Maps Plugin → **grep -r "<html"** and remove all <html> tags, disable html
2. color Plugin → **grep -r "<color"** and replace with wrap plugin

Settings

- Add "admin" group for every administrator of the help server in *User Manager*.
- Create the language namespaces (e.g. en, fr, de, ko, th) and set permissions to *Read only* for @ALL in *Access Control List Management*
- Set "Use first heading for pagenames" to **Always** under *Display* in DokuWiki's *Configuration Settings*.
- Set "Top level for table of contents=2", "Minimum amount of headlines that determines

whether the TOC is built=1”, “Maximum level for table of contents=4”, and “Maximum section edit level=4” under *Display* in DokuWiki's *Configuration Settings*.
- Uncheck icon libraries other than *FontAwesome* from Icons plugin configuration in DokuWiki's *Configuration Settings*.
- Add “_blank” to “Target window for external links” and “Target window for media links” under *Links* in DokuWiki's *Configuration Settings*.

Customization

There are a few core hacks required to make my template work properly, both for a regular wiki as well as for a help server. Additionally, there is a bug fix required to display table of contents if you utilize the plugin:condition.
Note: you need to verify below modifications after every DokuWiki upgrade.

Concept

- The dispatcher calls files `doku.php` and `help.php` in the template directory instead of `main.php` (function `bethico_dispatch`)
- Language detection and fallback added to `doku.php` in the root directory which then dispatches `doku.php` in the template directory
- Language detection and fallback added to `help.php` (copy of `doku.php`) in the root directory which then dispatches `help.php` in the template directory

Install

1. Install my
   Bethico Template
   into `/lib/tpl/`. Current version is 2022-10-09 suitable for DokuWiki “Igor”.
2. Add the following lines in `doku.php` in DokuWiki's root after line `$ID = getID();` at the beginning...

```
require_once(template('dispatcher.php'));
$langcode = bethico_language();
bethico_init_toc();
```

3. ...and replace at the end line `act_dispatch();` with

```
init_lang($langcode);
bethico_dispatch(basename(__FILE__));
```

4. Copy `doku.php` to `help.php` in the DokuWiki root folder
5. Modify `/inc/template.php` and add before line `Event::createAndTrigger('TPL_TOC_RENDER', $toc, null, false);` in function `tpl_toc`. This is a non-destructive change which fixes an issue in the table of contents if plugin `condition` is installed in the wiki

```
if (@include_once(template('dispatcher.php'))) bethico_update_toc($toc,
$TOC);
```

6. Copies of the modified files for “Igor” are in folder `/lib/tpl/bethico/core/`, copy them with

```
cp -R /lib/tpl/bethico/core/* /
```

7. After a DokuWiki upgrade check and change if necessary
    1. Check `/inc/actions.php` and change `/lib/tpl/bethico/dispatcher.php`
    2. Check `/inc/template.php` and change
    3. Check `/doku.php` and change then copy to `/help.php`
8. Optional: replace favicon and logo in '/lib/tpl/bethico/images/'.
9. Add the following line in `/lib/scripts/page.js` (v55.1-line 170) right before `if(!state) state = 1;`

```
if(!state && JSINFO.toc) state = JSINFO.toc.initial_state;
```

Joomla Access

- Set the Help URL in the component configuration of com_bethico to

```
'https://your.wiki.server/help.php?id={langcode}:{keyref}'
```

- Add a help button to view 'view' to open the help page

```
JToolbarHelper::help('view', true);
```

- With English as the active language it will invoke

```
https://your.wiki.server/help.php?id=en:view
```

Help system

Joomla's default help url:

```
url example:
https://help.joomla.org/proxy?keyref=Help{major}{minor}:{keyref}&lang={langc
ode}
```

Substitute tags:

Tag	Name	Example
{app}	Application name	'Administrator'
{component}	Component name	'com_content'
{keyref}	Help screen key reference	JToolbarHelper::help('{keyref}', true)
{language}	Full language code	'en-GB'
{langcode}	Short language code	'en'
{langregion}	Region code	'GB'
{major}	Joomla major version number	
{minor}	Joomla minor version number	

Tag	Name	Example
{maintenance}	Joomla maintenance version number	

Backup with zip

- use the following command to backup an entire wiki with zip

```
$ sudo zip -r my_wiki my_wiki -x my_wiki/data/cache/**\* my_wiki
my_wiki -x my_wiki/data/log/error/**\* my_wiki my_wiki -x
my_wiki/data/log/deprecated/**\*
```

Upgrade to Version 2020-07-29 "Hogfather"

Plugin whoisonline

1. Replace function handle($match, $state, $pos, &$handler) definition with function handle($match, $state, $pos, Doku_Handler $handler) in file lib/plugins/whoisonline/syntax.php
2. Replace function render($mode, &$renderer, $data) definition with function render($mode, Doku_Renderer $renderer, $data) in file lib/plugins/whoisonline/syntax.php
3. Set $conf['defer_js']=0; in file conf/dokuwiki.php

Todo: change menu system

- New menu system see /inc/Menu
- Menus
- Menus! blog
- Material Design Icons

Links

- Namespaces (and how to rename them
- DokuWiki Help Server with 2 templates
- Safely include PHP code
- Andreas Gohr
- How to update DokuWiki from the command line

PHP 8.1 issues

Plugin condition

- Replace curly brackets string indices with square brackets in line 84 and 149 of `plugins/condition/syntax.php` if you run your webserver with PHP 8.

Plugin html5video

- Put brackets enclosing the expressions on line 190 and 191 of `plugins/html5video/syntax/video.php` if you run your webserver with PHP 8.

davcal

Check when a date entry was made

1. Copy `/data/meta/davcal.sqlite3` to D:\
2. Open `sqlite3.exe` command line tool from D:\PortableCustom\sqlite3, then enter the following commands to see entries made after 2023-01-01:

```
.open /davcal.sqlite3
SELECT calendardata FROM calendarobjects WHERE datetime(lastoccurence,
'unixepoch') > '2023-01-01 00:00:00';
.quit
```

From:
https://wiki.condrau.com/ - **Bernard's Wiki**

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