


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.  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 and plugin:toctweak.

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

Core hacks

1. Install my

Bethico Template

into `/lib/tpl/`. Current version is v55.1 / 2024-06-09 suitable for DokuWiki "Kaos".

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. Add a line to file `/lib/scripts/page.js` in function `makeToggle` to allow the template to set the table of contents to *open* or *closed*

```
$handle[0].setState = function(state){
    var hidden;
    --> if(!state && JSINFO.toc) state = JSINFO.toc.initial_state;
    if(!state) state = 1;
```

Fix toc handling in core

1. Modify `/inc/template.php` in function `tpl_toc` add before line
`Event::createAndTrigger('TPL_TOC_RENDER', $toc, null, false);:`

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

This is a non-destructive change which fixes an issue in the table of contents if `plugin:condition` is installed.

Fix toc handling in plugin:toctweak

1. Make elements of items array unique at the end of function `_toc` in file `lib/plugins/toctweak/helper.php`

```
$items = array_unique($items, SORT_REGULAR);
```

Install

1. Copies of the modified files for “Kaos” are in folder `/lib/tpl/bethico/core/v551/`, copy them with

```
cp -R /lib/tpl/bethico/core/v551/* /
```

then check file permissions

2. 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`
3. Optional: replace favicon and logo in `/lib/tpl/bethico/images/`.
4. 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={langcode}
```

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	
{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(lastoccurrence,
'unixepoch') > '2023-01-01 00:00:00';
.quit
```

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

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