


# 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. **Note: you need to verify below modifications after every DokuWiki upgrade.**

1. Install my

Bethico Template

into /lib/tpl/. Current version is 2022-10-09 suitable for DokuWiki "Igor".

2. Copy 'doku.php' to 'help.php' in the DokuWiki root folder
3. 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();
```

4. ...and replace at the end line act\_dispatch(); with

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

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/
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/'.

## The following files must be checked against the previous version after upgrading

File	DokuWiki File	Todo
help.php	doku.php	line 12: \$updateVersion and verify content (compare doku.php to previous version)
inc/template.php	inc/template.php	line 131-133: call to help_toc in function tpl_toc

File	DokuWiki File	Todo
lib/tpl/bethico/dispatcher.php	inc/actions.php	verify function <i>help_dispatch</i>

## 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	

## 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](#)

## 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.

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