

these are rough notes, this page will be formatted and checked soon.....

DokuWiki Install

There are official DokuWiki instructions, you can find them at [External Link](#)

What I have created here is a guide to remind myself of some of the steps I took, and what commands I used (they are not in the DokuWiki guide)

So if you use a combination of my notes, and the official install guide, then you will get a working installation :)

Update and Upgrade your Pi

Even if you just install the latest build of Linux for your Pi, it's probably a bit out of date, to update it, run these two commands.

```
sudo apt-get update
sudo apt-get upgrade
```

The **update** is used to re-synchronize the package index files from their sources. The indexes of available packages are fetched from the location(s) specified in `/etc/apt/sources.list(5)`. An update should always be performed before an upgrade or dist-upgrade.

The **upgrade** performs a software upgrade according to the list of updated packages obtained from the apt-get update command.

Install Apache, PHP and ImageMagick

To run your own copy of DokuWiki you will need the following:

1. Webserver supporting PHP (we are going to use Apache, but there are others) Required to host the Wiki
2. PHP5 - DokuWiki runs on PHP
3. Imagemagick - Used by DokuWiki for image handling.

```
To install Apache web server, use the following command:
sudo apt-get install apache2
```

```
To install PHP use the following command:
sudo apt-get install php5
```

```
To install ImageMagick, use the following command:
sudo apt-get install imagemagick
```

Download and Copy DokuWiki to your webserver and Extract

To download the DokuWiki software, navigate to the <https://www.dokuwiki.org> website and hit the download button

```
Copy docuwiki.tar.gz to pi /home/pi
```

Alternatviely, you can just download the DokuWiki tar file on the Pi

For this example, I am going to use the home folder, assuming that you are logged in as the Pi user

```
tar -xvf dokuwiki.tgz
```

This will extract all the files to a folder in your home location, so you should end up with this folder:
/home/pi/dokuwiki

Setup Apache Security

You can skip this step if you are only using your wiki internally. But if it will be on the internet, this is a must.

First we need to edit the **/etc/apache2/apache2.conf** file.

```
sudo nano /etc/apache2/apache2.conf
```

Add this section

```
<Directory /home/pi/>
```

```
Options Indexes FollowSymLinks\\
AllowOverride All\\
Require all granted\\
```

```
</Directory>
```

ENSURE TO CHANGE AllowOverride to All (default) is none

You should have a section that looks like this:

```
<Directory />
```

```
Options FollowSymLinks\\
AllowOverride All\\
```

```
</Directory>
```

```
<Directory /home/pi/dokuwiki>
```

```
Options Indexes FollowSymLinks MultiViews\\
AllowOverride All\\
Order allow,deny\\
allow from all\\
```

```
</Directory>
```

```
edit /etc/apache2/sites-enabled/000-default.conf
```

```
add DocumentRoot /home/pi/dokuwiki # rem out the original DocumentRoot
```

```
restart apache2 sudo /etc/init.d/apache2 restart
```

chmod the following folders:

```
chmod -R 777
```

{DOCUMENT_ROOT}/conf/ is not writable by DokuWiki. You need to fix the permission settings of this directory! • {DOCUMENT_ROOT}/data is not writable by DokuWiki. You need to fix the permission settings of this directory! • {DOCUMENT_ROOT}/data/pages is not writable by DokuWiki. You need to fix the permission settings of this directory! • {DOCUMENT_ROOT}/data/attic is not writable by DokuWiki. You need to fix the permission settings of this directory! • {DOCUMENT_ROOT}/data/media is not writable by DokuWiki. You need to fix the permission settings of this directory! • {DOCUMENT_ROOT}/data/media_attic is not writable by DokuWiki. You need to fix the permission settings of this

directory! • {DOCUMENT_ROOT}/data/media_meta is not writable by DokuWiki. You need to fix the permission settings of this directory!

- {DOCUMENT_ROOT}/data/meta is not writable by DokuWiki. You need to fix the permission settings of this directory!
- {DOCUMENT_ROOT}/data/cache is not writable by DokuWiki. You need to fix the permission settings of this directory!
- {DOCUMENT_ROOT}/data/locks is not writable by DokuWiki. You need to fix the permission settings of this directory!
- {DOCUMENT_ROOT}/data/index is not writable by DokuWiki. You need to fix the permission settings of this directory!
- {DOCUMENT_ROOT}/data/tmp is not writable by DokuWiki. You need to fix the permission settings of this directory!

what about this?

Options Indexes FollowSymLinks
AllowOverride None
Require all granted

From:

<http://cameraangle.co.uk/> - WalkerWiki - wiki.alanwalker.uk

Permanent link:

http://cameraangle.co.uk/doku.php?id=dokuwikipi_-_host_your_own_wiki_site_like_this_one&rev=1469302412

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