

Installing Media Wiki

For Installing Media wiki we need to have LAMP stack installed on our ubuntu system.

Installing Lamp:

First make sure your ubuntu is up to date:

```
> sudo apt update && sudo apt upgrade
```

```
> sudo apt dist-upgrade
```

Next we need to install Apache:

```
> sudo apt install apache2 apache2-utils
```

Enable the apache so that it runs every time system reboots

```
> sudo systemctl enable apache2
```

To check whether the apache server has started or not type your local address in url bar {127.0.0.1}

Finally, we need to make www-data (Apache user) as the owner of web root directory.

```
> sudo chown www-data /var/www/html/ -R
```

Installing MariaDB

Mariadb is a drop-in replacement of MySQL.

```
> sudo apt install mariadb-server mariadb-client
```

```
> sudo systemctl enable mysql
```

To secure the database setup the password.

```
> sudo mysql_secure_installation
```

Here set your passwords.

Installing PHP7

```
> sudo apt-get install php7.0-fpm php7.0-mysql php7.0-common php7.0-gd php7.0-json  
php7.0-cli php7.0-curl libapache2-mod-php7.0
```

Now enable apache2 with php7

```
> sudo a2enmod php7.0
```

```
> sudo systemctl restart apache2
```

Test the php:

```
> php --version
```

Now LAMP has been installed!

Now we will install Media Wiki

1. First Clone the git repository

```
> git clone https://gerrit.wikimedia.org/r/p/mediawiki/core.git
```

2. Then rename this cloned file from core to mediawiki and move it to the php directory.

```
> mv core mediawiki
```

```
> mv mediawiki /var/html/www/
```

3. Next You need to install external dependencies via Composer.

```
> sudo apt install composer
```

```
> cd /var/www/mediawiki
```

```
> composer install --no-dev
```

Once all dependencies are installed, run the following command to set web server user (www-data) as the owner of this directory.

```
> sudo chown www-data:www-data /var/www/mediawiki/ -R
```

Now Create a Database

```
> mysql -u root -p
```

```
CREATE DATABASE wikidb;
```

Then run the following command at MariaDB prompt to create a database user and grant privileges to this user.

```
> GRANT ALL PRIVILEGES ON wikidb.* TO 'root'@'localhost' IDENTIFIED BY 'password';
```

```
> flush privileges;
```

```
> exit;
```

Step 3 Setting Apache Virtual host

Create a virtual host file for mediawiki

```
> sudo vim /etc/apache2/sites-available/mediawiki.conf
```

Set up and install the mediawiki by visiting localhost/mediawiki/index.php

Go to the url bar and visit "localhost/mediawiki/"

Now mediawiki has been installed

