



Installing Wordpress in Ubuntu

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Table of the Contents

- 1. Install Apache Web Server 1**
- 2. Install MySQL Database Server 1**
- 3. Install PHP and Modules 2**
- 4. Installing Wordpress 2**
- 5. Create WordPress Database 2**

INSTALLATION

1. Install Apache Web Server

After creating the server, you need to install the apache web server. To do that, issue the command shown below:

```
$ sudo apt-get install apache2 apache2-utils
```

After that, you need to enable and start the Apache2 web server. Enter the following commands shown below:

```
$ sudo systemctl enable apache2
$ sudo systemctl start apache2
```

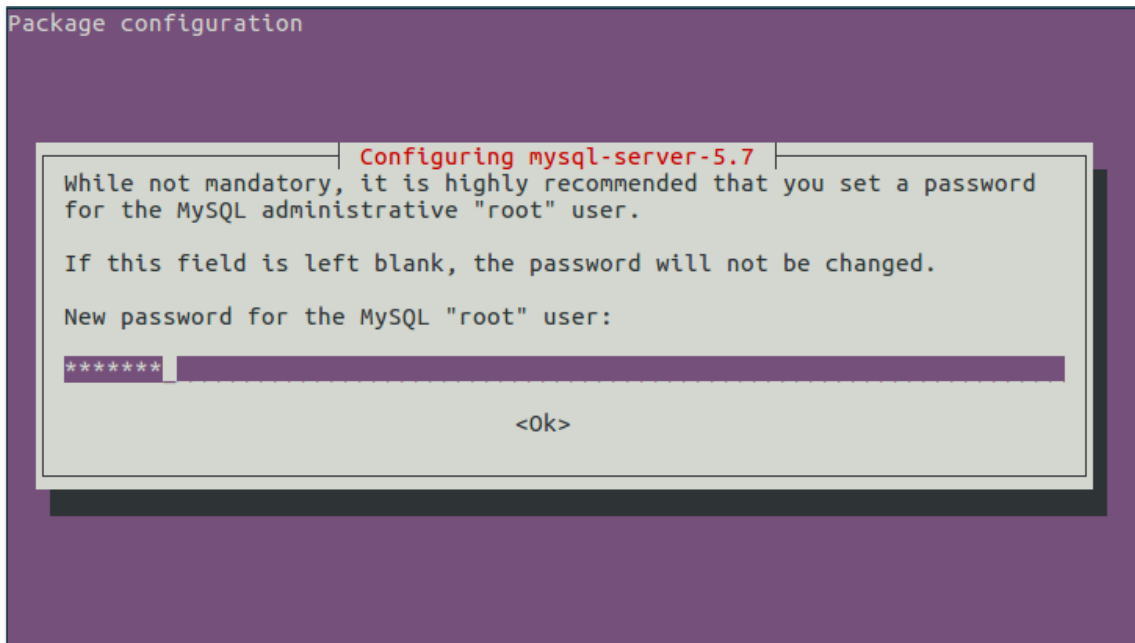
Lastly, you need to check the apache server if it is running. Open your browser and enter “http://server_address”. The apache default index page will be displayed to indicate that the apache server is running.

2. Install MySQL Database Server

The next step is for you need to install MySQL database server by running the command below:

```
$ sudo apt-get install mysql-client mysql-server
```

During the package installation, you will be prompted to set the root user password for mysql as seen in the image below:



But the database server deployment shown above is not yet secure, so to harden it's security you need to issue the following command in the server:

```
$ sudo mysql_secure_installation
```

Upon entering the command shown above, you will be asked to install “validate_password” plugin, so type in “Y/Yes” and press Enter, and also choose the default password strength level.

But if you do not want to change the root password, then type “**N/No**” when prompted to do so. Answer “**Y/Yes**” for the rest of the subsequent questions.

3. Install PHP and Modules

The next thing that you need to do is to install PHP with few modules to make the web and database work. The following command:

```
$ sudo apt-get install php7.0 php7.0-mysql libapache2-mod-php7.0 php7.0-cli php7.0-cgi php7.0-gd
```

Next is to create an **info.php** file inside **/var/www/html** in order to test the php

```
$ sudo vi /var/www/html/info.php
```

Insert the following in the **info.php** file

```
<?php
phpinfo();
?>
```

4. Installing Wordpress

To start installing Wordpress, download the latest version of Wordpress and extract by following the commands below:

```
$ wget -c http://wordpress.org/latest.tar.gz
$ tar -xzf latest.tar.gz
```

Transfer the extracted files to the Apache root directory which is **/var/www/html/**:

```
$ sudo rsync -av wordpress/* /var/www/html/
```

Set the permissions on the website directory. Follow the commands below:

```
$ sudo chown -R www-data:www-data /var/www/html/
$ sudo chmod -R 755 /var/www/html/
```

5. Create WordPress Database

In creating the wordpress database, first, execute the command below and provide the root user password. Upon entering the command you will be directed to the mysql shell.

At the mysql shell, type the following commands. (**Note:** You can change and choose for your own value of **database_name**, **databaseuser** and **databaseuser_password**).

```
mysql> CREATE DATABASE wp_myblog;
mysql> GRANT ALL PRIVILEGES ON wp_myblog.* TO 'your_username_here'@'localhost' IDENTIFIED BY 'your_chosen_password_here';
mysql> FLUSH PRIVILEGES;
mysql> EXIT;
```

After that, go the /var/www/html/ directory and rename existing “wp-config-sample.php” to “wp-config.php”:

```
$ sudo mv wp-config-sample.php wp-config.php
```

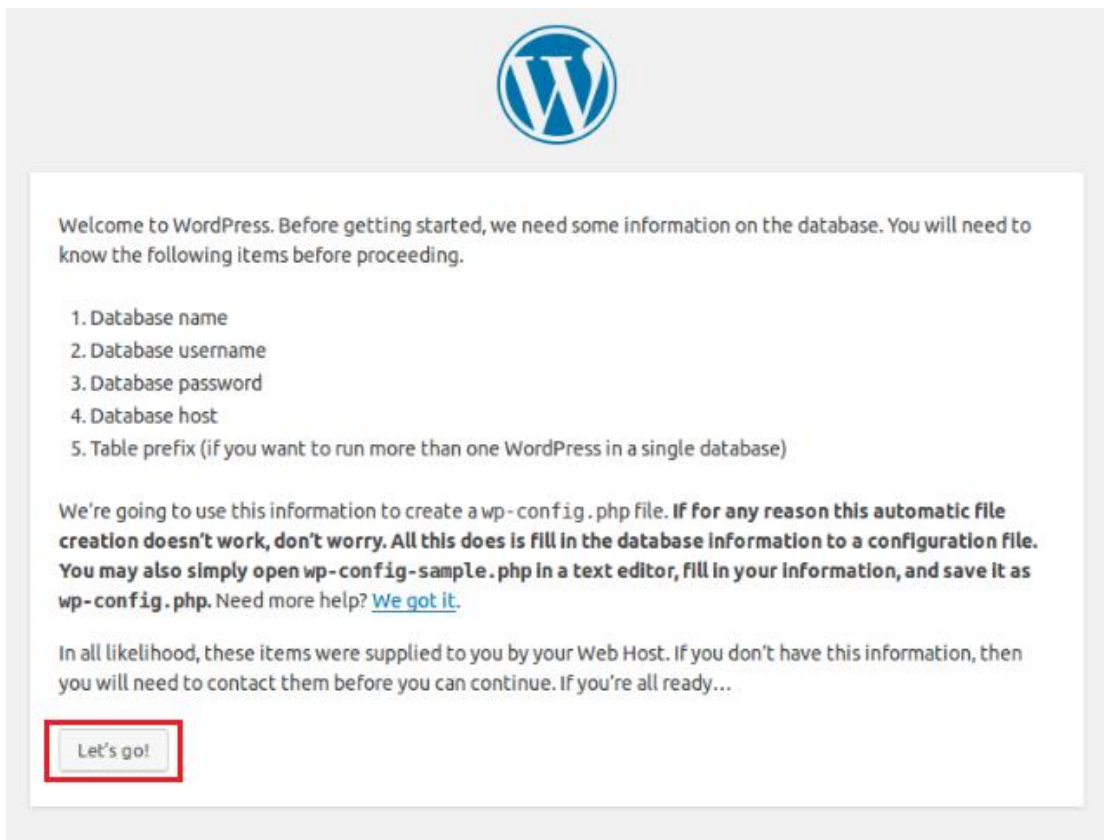
Open the “wp-config.php” file and update it with your database information (refer to the highlighted texts in the image below):

```
// ** MySQL settings - You can get this info from your web host ** //  
/** The name of the database for WordPress */  
define('DB_NAME', 'database_name_here'); /** MySQL database username */ define('DB_USER', '  
username_here'); /** MySQL database password */ define('DB_PASSWORD', 'password_here'); /*  
* MySQL hostname */ define('DB_HOST', 'localhost'); /** Database Charset to use in creating d  
atabase tables. */ define('DB_CHARSET', 'utf8'); /** The Database Collate type. Don't change t  
his if in doubt. */ define('DB_COLLATE', '');
```

After that, restart the web server and mysql service using the commands below:

```
$ sudo systemctl restart apache2.service  
$ sudo systemctl restart mysql.service
```

Lastly, open your browser and enter your server address (e.g http://server-address) then you will be directed to the welcome page of wordpress.



Click the “Let’s go” button and fill in the required information to finish setting up your website.