**WordPress Installation Manual**

**9346B**

**Group 4**

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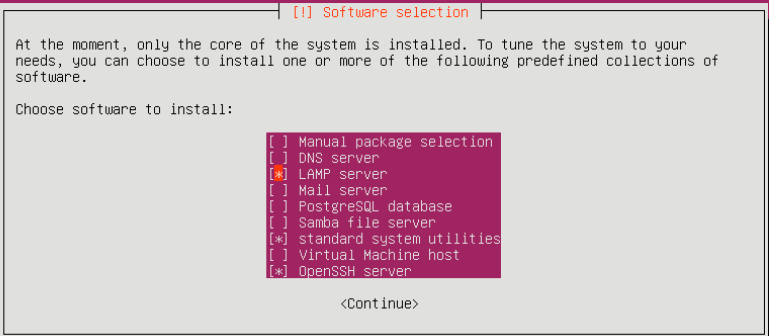
# **PREREQUISITES**

## 

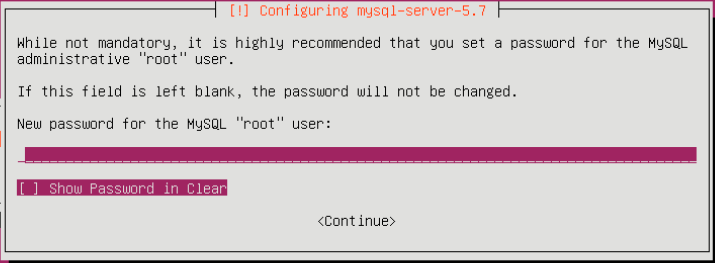
## **LAMP (Linux, Apache, MySQL and PHP):**

WordPress needed LAMP in order to function correctly, it will use the web server, a database and php.

To install LAMP server while setting up the Ubuntu server, mark the LAMP server as one of the needed software. See image below:



Then after that set a password for MySQL administrative “root user”.



**CREATE A MySQL DATA BASE AND USER OF WordPress**

First step is use MySQL to store site and user information. Then we need to create a database for WordPress.

To get started issue the command below:



Now it is in MySQL command then create a database for the WordPress by typing the command below:



Then after creating a database for the WordPress create a user for the database that will manage the site and then grant access to the database that we created. By issuing the command below:



Then the recent changes that we’ve made must be saved by typing the command below:



Now that the database is done. We can now exit out MySQL by typing the command below:



**INSTALL ADDITIONAL PHP EXTENSIONS**

Download and Install PHP extensions for the WordPress by issuing the command below:



Then after that restart the apache by issuing the command below:



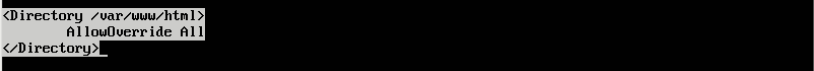
# **CONFIGURE APACHE .htaccess OVERRIEDS AND REWRITES**

## **Enable .htaccess Overrides**

Then to enable .htaccess, Open the Configuration file of the primary Apache:



Then add this few lines to the primary apache configuration:



## 

## **Enable mod\_rewrite**

So that we can initialize the WordPress permalink feature type the command below:



Then to implement the changes that we’ve made restart apache:



# 

# **DOWNLOAD WORDPRESS**

To download WordPress from their site:





## **Change premissions**

Create a dummy .htaccess file and then set permission:



Then copy the sample configuration file to the filename that WordPress reads:



Create an upgrade directory for the WordPress so that it will not prompt another permission issues.



To make sure that our permission is maintained -a flag is added.



## 

## **Configure WordPress config file**

Then set up a reasonable file permission



In the wordpress installation set the setgid bit on every directory by typing the command:



To enable plugins and use theme, grant access to the wp-content directory:



Then give a web server a write access to all of the content in the two directories:



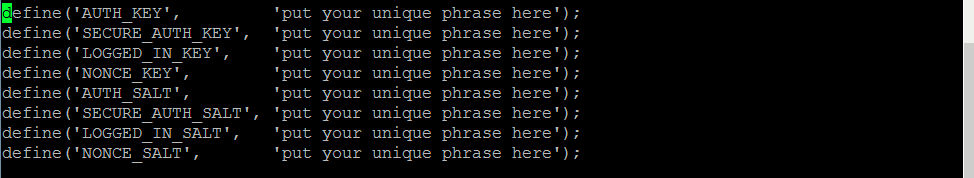
Grab secure values from the WordPress secret key generator:



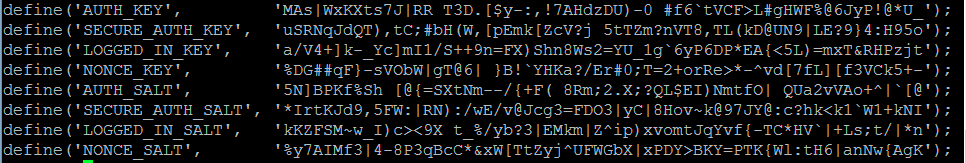
Open the WordPress Configuration file:



Then delete these lines:

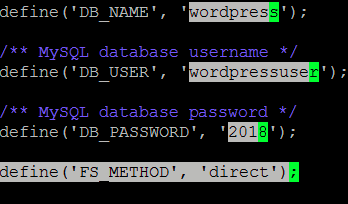


And paste here the generated code:



Then Open /var/www/html/wp-config.php

And add these lines:



# **Install WordPress on your Website Using a Web Browser**

Navigate to the public ip address.



Next it will prompt to the main setup page and enter all the necessary information.