Steps to install LAMP in Ubuntu 20.04(version):-

General Instructions: Open your Terminal in Ubuntu 20.04(version). And write and run the commands below:

Steps to install Apache on Ubuntu 20.04 :

Step 1: $ sudo apt install apache2.

Note:the default document root for storing your web files is /var/www/html/.

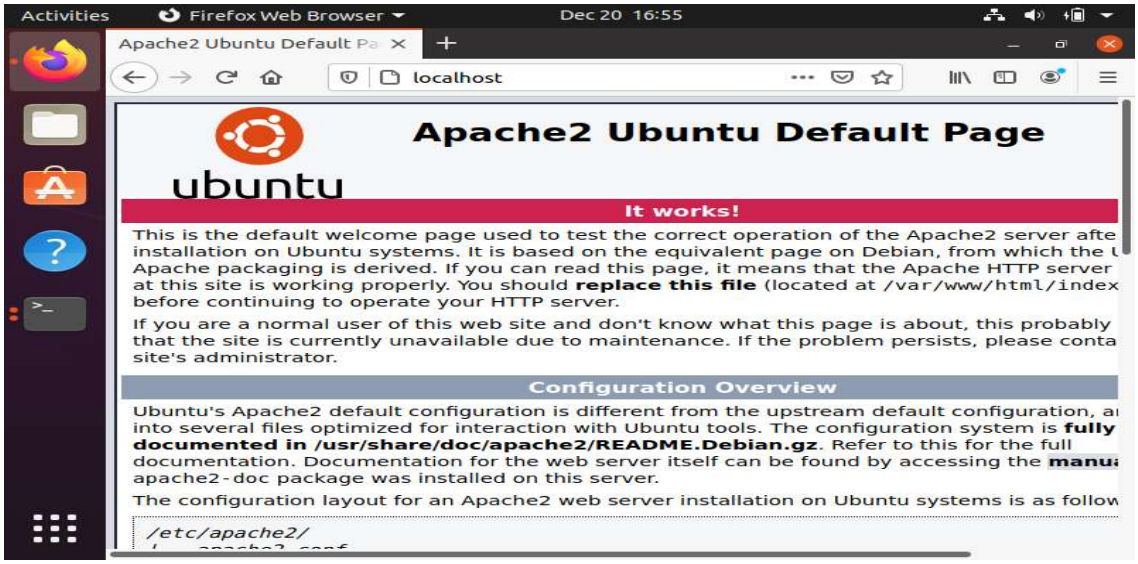
Step 2:$ sudo systemctl status apache2

$ sudo systemctl is-enabled apache2

Note: The Apache2 service is up and enabled on boot using the following systemctl commands.

Step 3: To test whether you Apache2 is working or not. Open a web Browser and use your IP address to navigate.

Then you will see Apache2 Ubuntu Default Page.



Steps to install MySql on Ubuntu 20.04 :

Step 1:$ sudo apt install mysql-server

Step 2:$ sudo mysql_secure_installation

Note:In output you will be asked for the Levels of password which you want to use for Mysql (i.e Low, Medium, High):

Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG:

Step 3: Now give the password for above output.

Step 4:Creating a Dedicated MySQL User and Granting Privileges:

Run the below Steps:

1)$ sudo mysql

2)$ CREATE USER 'username'@'host' IDENTIFIED WITH authentication_plugin BY 'password';

Note:you can give your own hostname folowed by '@' or you can just use 'localhost' and the password for security purpose.

3)$ CREATE USER 'sammy'@'localhost' IDENTIFIED BY 'password';

Note: sammy is used for example , give your username.

Step 5:After creating your new user, you can grant them the appropriate privileges. The general syntax for granting user privileges is as follows:

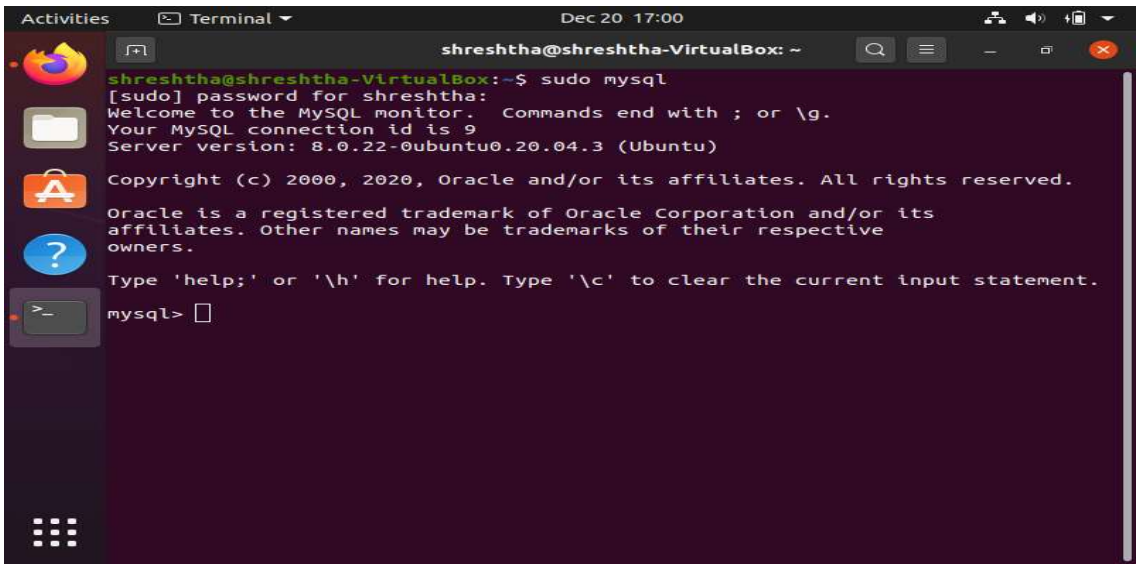
$ GRANT PRIVILEGE ON database.table TO 'username'@'host';

Step 6:Run this GRANT statement, replacing sammy with your own MySQL user’s name, to grant these privileges to your user:

$ GRANT CREATE, ALTER, DROP, INSERT, UPDATE, DELETE, SELECT, REFERENCES, RELOAD on *.* TO 'sammy'@'localhost' WITH GRANT OPTION;

Step 7:Then you can exit the MySQL client:

mysql> exit



Steps to install PHP on Ubuntu 20.04 :

Step 1:$ sudo apt install php libapache2-mod-php php-mysql

Note: The PHP configuration file will be located in /etc/php/7.2/.

Step 2:$ sudo apt-cache search php | grep php- (#show all php packages)

Step 3:$ sudo apt install php-redis php-zip

Note:After finding the extension, you can install it. For example, I am installing PHP modules for Redis in-memory cache and Zip compression tool.

Step 4:$ sudo systemctl restart apache2

Note:After installing PHP extension, you need to restart apache to apply recent changes.

Step 5:$ sudo vi /var/www/html/info.php

Note:Next, test if Apache is working in conjunction with PHP. Create an info.php page under the web document root /var/www/html/ directory as shown.

Step 6:<?php

phpinfo();

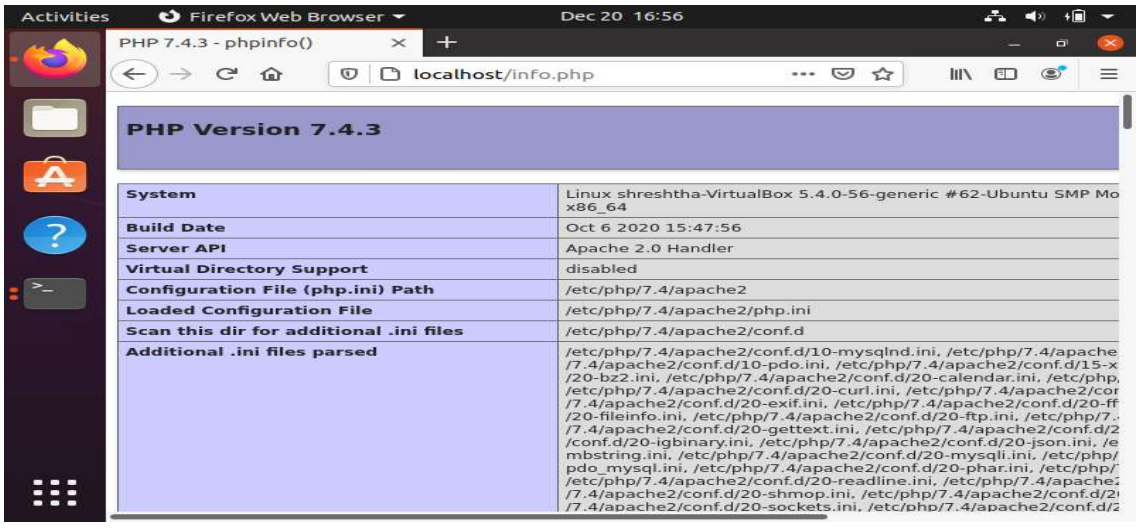
?>

Note:Copy and paste the following code in the file, then save the file and exit it.

Step 7:http://YOUR_SERVER_IP/info.php

Note:Next, open a web browser and navigate using the following address.

You will see the PHP information (configuration settings and available predefined variables, installed modules, and more on your system).



Steps to install PhpMyAdmin on Ubuntu 20.04 :

Step 1:$ sudo apt install phpmyadmin

Note: In output Click enter to use Apache, the default option.

Select yes in the next prompt.

Create a password for PhpMyAdmin to register with the MySql database server.

Step 2:You need to configure Apache2 to serve the phpMyAdmin site. Run the following command:

$ sudo ln -s /etc/phpmyadmin/apache.conf /etc/apache2/conf-available/phpmyadmin.conf

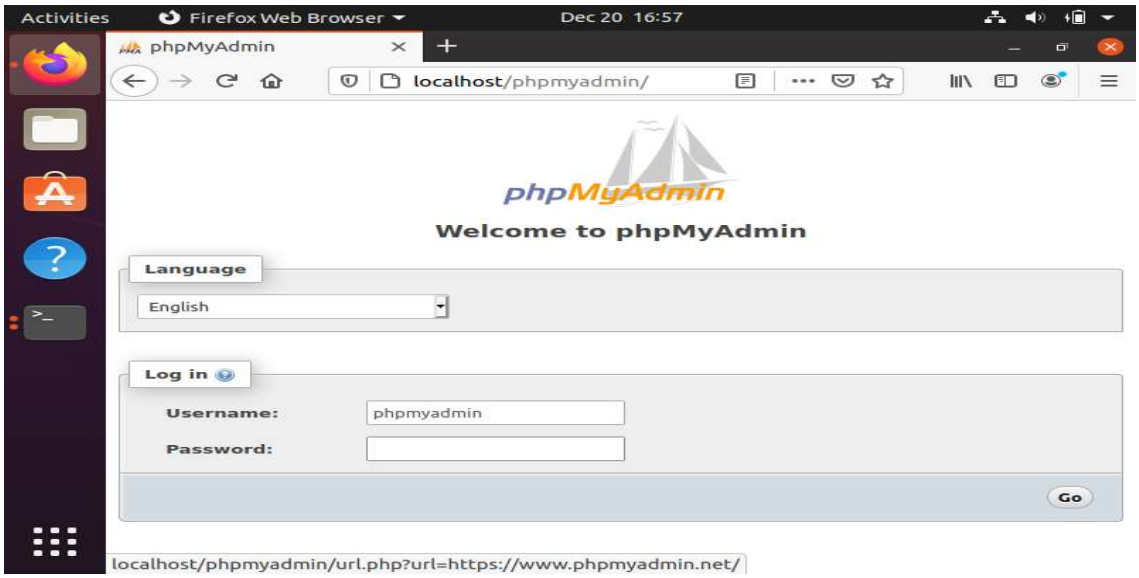
$ sudo a2enconf phpmyadmin.conf

$ sudo systemctl reload apache2.service

Step 3:In a browser go to http://SERVER_IP/phpmyadmin, replacing SERVER_IP with the server's actual IP address.

Note: Login to the PhpMyAdmin Page.

Step 4:After login, you will see the PhpMyAdmin dashboard. Use it for managing databases, tables, columns, relations, indexes, users, permissions, etc.


Activities
Firefox Web Browser
Dec 20 16:57
phpMyAdmin
localhost/phpmyadmin/
phpMyAdmin
Welcome to phpMyAdmin
Language
English
Log in
Username:
phpmyadmin
Password:
Go
localhost/phpmyadmin/url.php?url=https://www.phpmyadmin.net/