How to install LAMP server on Ubuntu 14.04

LAMP stack is nothing but a combination of opensource softwares to make a webserver . LAMP refers to the first letters of Linux, [Apache](http://en.wikipedia.org/wiki/Apache_HTTP_Server), [Mysql](http://www.mysql.com/" \o "mysql) and [PHP](http://www.php.net/) .

1. [Apache2 installation](http://www.krizna.com/ubuntu/install-lamp-server-ubuntu-14-04/#apache)  
2. [Mysql installation](http://www.krizna.com/ubuntu/install-lamp-server-ubuntu-14-04/" \l "mysql" \o "Mysql)  
3. [PHP installation](http://www.krizna.com/ubuntu/install-lamp-server-ubuntu-14-04/#php)  
4. [Testing all together](http://www.krizna.com/ubuntu/install-lamp-server-ubuntu-14-04/#testing)

Apache2 installation :

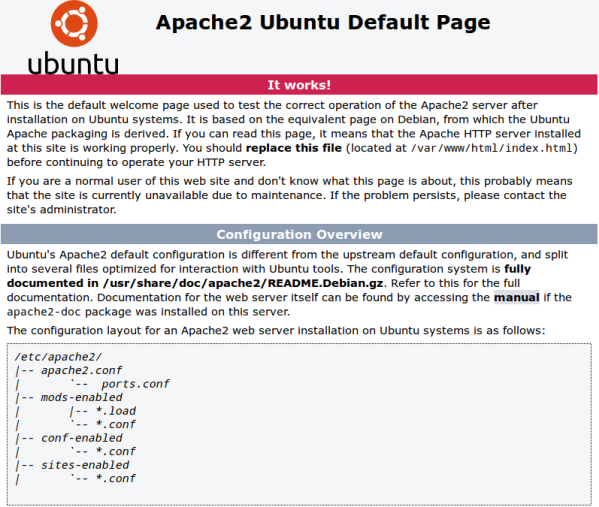
Step 1 » Type the below command for installing apache 2 package from repository .

krizna@leela:~$ sudo apt-get install apache2

This command will install apache2 and its dependencies  .

Step 2 » After installationm, Add the following line “ServerName localhost” to the*/etc/apache2/apache2.conf* file.  
ServerName localhost

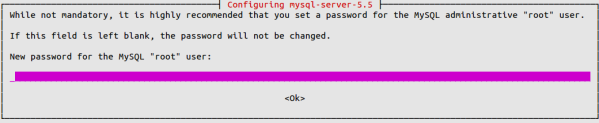
Step 3 » and restart apache service

krizna@leela:~$ sudo /etc/init.d/apache2 restart  
Step 4 » Apache will start working with minimal configuration. Now Open your server-ip in the browser and You can see the apache ubuntu test page.( Default document root is located in this path */var/www/html* )  
[](http://cdn.krizna.com/wp-content/uploads/2014/04/Install-lamp-server-ubutnu14-04.png)

Mysql installation :

Step 5 » Issue the below command to install mysql server with dependencies.

krizna@leela:~$ sudo apt-get install mysql-server

Step 6 » During installation it will prompt for a new password for mysql root . Give some strong password and retype the same password for confirmation.  
[](http://cdn.krizna.com/wp-content/uploads/2014/04/Install-lamp-server-ubutnu14-04-1.png)  
Step 7 » After installation check the Database connection.

Check the service status .

krizna@leela:~# sudo /etc/init.d/mysql status  
\* /usr/bin/mysqladmin Ver 8.42 Distrib 5.5.35, for debian-linux-gnu on x86\_64  
Copyright (c) 2000, 2013, Oracle and/or its affiliates. All rights reserved.  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
Server version 5.5.35-1ubuntu1  
Protocol version 10  
Connection Localhost via UNIX socket  
UNIX socket /var/run/mysqld/mysqld.sock  
Uptime: 1 min 12 sec  
Threads: 1 Questions: 573 Slow queries: 0 Opens: 421 Flush tables: 1 Open tables: 41 Queries per second avg: 7.958  
  
Service is already up , Now Type this command to login  
krizna@leela:~# mysql -u root -p  
Enter password: \*\*\*\*\*\*  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 42  
Server version: 5.5.35-1ubuntu1 (Ubuntu)  
Copyright (c) 2000, 2013, Oracle and/or its affiliates. All rights reserved.  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
mysql>  
Okay . Mysql server installation is over.

PHP installation :

Step 8 » Type the below command to install php5 .

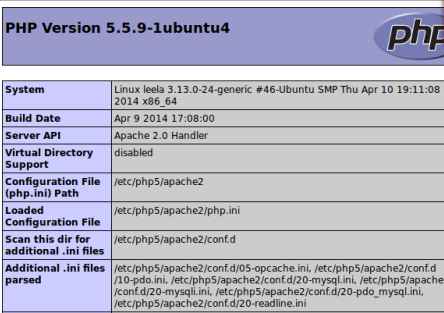
krizna@leela:~$ sudo apt-get install php5 php5-mysql

Step 9 » Create a php file and paste the below code into the file to show the php configuration . Goto the default apache root path*/var/www/html*. create a new file*phpinfo.php*  and paste the below code and save it.

<?php  
phpinfo();  
?>

Step 10 » Now restart the apache2 service .

krizna@leela:~$sudo /etc/init.d/apache2 restart

Step 11 » Now open the file in the browser ( Eg: http://yourip/phpinfo.php )  
you can see the php information page as below.  
and make sure you can see the mysql details in the php information page .  
[](http://cdn.krizna.com/wp-content/uploads/2014/04/Install-lamp-server-ubutnu14-04-21.png)  
We have sucessfully configured Apache2 , mysql and php .