# Install Apache2, Mysql and PHP on Ubuntu (LAMP)

Update ubuntu repositories by giving the below command

$ sudo apt-get update

After updating repositories , start installing packages one by one .

1. Apache2 installation

2. Mysql installation

3. PHP installation

4. Testing all together

### Apache2 installation :

Step 1 »

$ sudo apt-get install apache2

Step 2 » Open */etc/apache2/httpd.conf* . Add the following line “ServerName localhost” .

ServerName localhost

Step 3 » Now restart the Apache service

$ sudo /etc/init.d/apache2 restart

Step 4 » You have successfully configured apache2 with minimal configuration. Now Open your server-ip in the browser . You can see the apache2 test page.( Apache default document root is located in this path */var/www/* )



### Mysql installation :

Step 5 » Install Mysql server.

$sudo apt-get install mysql-server

Step 6 » It will prompt for a new password for mysql server .



Step 7 » After installing the packages . we can check the Database connection .

Check the service status .

$ sudo /etc/init.d/mysql status

mysql start/running, process 12429

Service is started already , Now Type this command to login

$ mysql -u root -p

Enter password: \*\*\*\*\*\* ( password provided during mysql installation )

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 39

Server version: 5.5.24-0ubuntu0.12.04.1 (Ubuntu)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>

### PHP installation :

Step 8 »

$sudo apt-get install php5

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* . create a new file*phpinfo.php* and paste the below code and save it.

<?php

phpinfo();

?>

Step 10 » Now restart the apache2 service .

$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 .



We have sucessfully configured Apache2 , mysql and php .

### Testing All together :

We need to test mysql database connectivity in php .

Step 12 » create a new file dbtest.php in the apache root path (*/var/www*) and paste the below code .Replace “password” with your mysql root password provided during mysql installation .

<?php

$con = mysql\_connect("localhost","root","password");

if (!$con)

{

die('Could not connect: ' . mysql\_error());

}

else

{

echo "Congrats! connection established successfully";

}

mysql\_close($con);

?>

Step 13 » open the file in your browser ( http://yourip/dbtest.php ). you can see the page as below.



**NOTES:**

$apache2ctl -S

Status