**How to install Apache , mysql and PHP on Ubuntu 12.04**

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 installationHYPERLINK "http://www.krizna.com/ubuntu/install-apache2-mysql-php-ubuntu-12-04-lamp/"](http://www.krizna.com/ubuntu/install-apache2-mysql-php-ubuntu-12-04-lamp/)  
4. Testing all together

Apache2 installation:

Step 1 : Open the terminal and type the below command  for installing apache 2 package from repository .

sudo apt-get install apache2

This command will install apache2 and other dependencies.

Step 2 : sudo nano /etc/apache2/sites-available/default

Once inside that file, find the following section, and change the line that says AllowOverride from None to All. The section should now look like this:

<Directory /var/www/>

Options Indexes FollowSymLinks MultiViews

AllowOverride All

Order allow,deny

allow from all

</Directory>

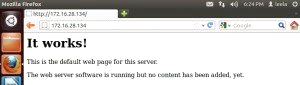
After you save and exit that file, restart apache. .htacess files will now be available for all of your sites.

sudo service apache2 restart

Step 3 : Now restarts 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 :

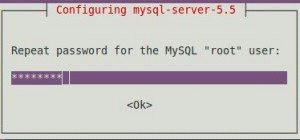
Step 5 : Install Mysql server  by typing the below command in terminal .

 sudo apt-get install mysql-server

This command will install mysql-server and mysql-client along with dependencies .

Step 6 : It will prompt for a new password for mysql server . Give some strong password and retype the same password for confirmation.





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

Check the service status .

/rusudo /etc/init.d/mysql statusnni

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)  
Copyright (c) 2000, 2011, 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>

PHP installation :

Step 8: Type the below command to install php5 .

 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*. 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: Activate Mod\_Rewrites:

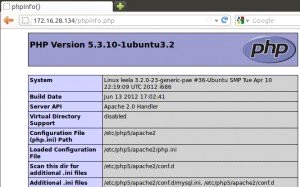
mod\_rewrite module that controls them. This is simple:

sudo a2enmod rewrite

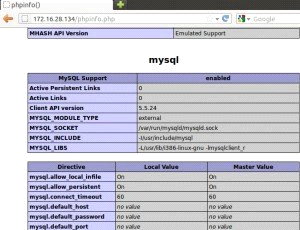
The command activates the module or—if it is already activated, displays the words, "Module rewrite already enabled"

Step 12: 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 13 : 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 14 : open the file in your browser ( http://yourip/dbtest.php ). you can see the page as below.



**Outreach configuration settings**:

1. Upload the Outreach folders and files to your server. Normally the index.php file will be at your root.  
2. Open the application/config/config.php file with a text editor and set your base URL.

3. Please import database file into mysql (DB path: documents/outreach.sql)

4. Open the application/config/database.php file with a text editor and set your database settings.

5. Open the file in your browser ( http://domain.com/). You can see Outreach home page