**Install LAMP**

### About LAMP

LAMP stack is a group of open source software used to get web servers up and running. The acronym stands for Linux, Apache, MySQL, and PHP.

## Step One—Install Apache

sudo apt-get update  
sudo apt-get install apache2

To check : enter your server’s ip in browser,output should be:

“It works!"

## How to Find your Server’s IP address

ifconfig eth0 | grep inet | awk '{ print $2 }'

## Step Two—Install MySQL

sudo apt-get install mysql-server libapache2-mod-auth-mysql php5-mysql

Once you have installed MySQL, we should activate it with this command:

sudo mysql\_install\_db

Finish up by running the MySQL set up script:

sudo /usr/bin/mysql\_secure\_installation

## Step Three—Install PHP

sudo apt-get install php5 libapache2-mod-php5 php5-mcrypt

It may also be useful to add php to the directory index, to serve the relevant php index files:

sudo nano /etc/apache2/mods-enabled/dir.conf

Add index.php to the beginning of index files. The page should now look like this:

<IfModule mod\_dir.c>  
  
 DirectoryIndex index.php index.html index.cgi index.pl index.php index.xhtml index.htm  
  
</IfModule>

## PHP Modules

PHP also has a variety of useful libraries and modules that you can add onto your virtual server. You can see the libraries that are available.

apt-cache search php5-

Terminal will then display the list of possible modulesOnce you decide to install the module:

sudo apt-get install *name of the module*

## Step Four—RESULTS: See PHP on your Server

create a new file:

sudo nano /var/www/info.php

Add in the following line:

<?php  
phpinfo();  
?>

Restart apache so that all of the changes take effect:

sudo service apache2 restart

Finish up by visiting your php info page

e.g. http://12.34.56.789/info.php