DOWNLOAD SITE

<http://www.ubuntu.com/download/server>

GO TO ROOT DIRECTORY

sudo bash

HOW TO INSTALL LINUX, NGINX, MYSQL, PHP (LEMP) STACK ON UBUNTU 14.04

<https://www.digitalocean.com/community/tutorials/how-to-install-linux-nginx-mysql-php-lemp-stack-on-ubuntu-14-04>

1 INSTALL THE NGINX - WEB SERVER

sudo apt-get update

sudo apt-get install nginx

TEST IF THE SERVER IS RUNNING

ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/\/.\*$//'

curl http://icanhazip.com

TEST IN YOUR BROWSER

<http://server_domain_name_or_IP>

2 INSTALL MYSQL - MANAGE SITE DATA

sudo apt-get install mysql-server

sudo mysql\_install\_db

sudo mysql\_secure\_installation

3 INSTALL PHP – PROCESSING

sudo apt-get install php5-fpm php5-mysql

CONFIGURE THE PHP PROCESSOR

sudo nano /etc/php5/fpm/php.ini

cgi.fix\_pathinfo=0

sudo service php5-fpm restart

4 INSTALL PHPMYADMIN

https://www.digitalocean.com/community/tutorials/how-to-install-and-secure-phpmyadmin-with-nginx-on-an-ubuntu-14-04-server

sudo apt-get update

sudo apt-get install phpmyadmin

sudo ln -s /usr/share/phpmyadmin /usr/share/nginx/html

sudo php5enmod mcrypt

sudo service php5-fpm restart

CREATE SAMBA FILE SERVER IN UBUNTU 14.04

<https://www.liberiangeek.net/2014/07/ubuntu-tips-create-samba-file-server-ubuntu-14-04/>

CREATE A DIRECTORY

mkdir /home/sample

INSTALL SAMBA IN UBUNTU 14.04

sudo apt-get install -y samba samba-common python-glade2 system-config-samba

SAMBA CONFIGURATION

cd /etc/samba

vi smb.conf

press i to start editing

[sample]

comment = sample

path = /home/sample

read only = no

available = yes

browseable = yes

public = yes

writable = yes

guest ok = yes

press <Esc> key then :wq! to save

service smbd restart

CHANGE PERMISSION

cd /home

chmod -R 777 sample/

HOW TO SET UP NGINX SERVER BLOCK (VIRTUAL HOSTS) ON UBUNTU 14.04 LTS

<https://www.digitalocean.com/community/tutorials/how-to-set-up-nginx-server-blocks-virtual-hosts-on-ubuntu-14-04-lts>

CREATE SERVER BLOCK FILE FOR DOMAIN TO USE OUR PHP PROCESSOR

mkdir /home/nginx-logs

cd /etc/nginx/sites-available

ls -al

sudo nano sample

WEB BLOCK

server {

listen 80;

listen [::]:80;

root /home/sample;

index index.php;

server\_name app.sample.dev;

access\_log /home/nginx-logs/sample\_access.log;

error\_log /home/nginx-logs/sample\_error.log;

if (!-e $request\_filename){

rewrite ^/(.\*)$ /index.php?/$1 last;

break;

}

location ^~ /assets/ {

root /home/sample;

}

error\_page 404 /404.html;

error\_page 500 502 503 504 /50x.html;

location = /50x.html {

root /home/sample;

}

location ~ \.php$ {

try\_files $uri =404;

fastcgi\_split\_path\_info ^(.+\.php)(/.+)$;

#fastcgi\_pass 127.0.0.1:9000;

fastcgi\_pass unix:/var/run/php5-fpm.sock;

fastcgi\_index index.php;

fastcgi\_param SCRIPT\_FILENAME /home/sample/index.php;

fastcgi\_param PATH\_INFO $document\_uri;

include fastcgi\_params;

}

}

PHPMYADMIN BLOCK

server{

listen 80;

listen [::]:80;

server\_name app.phpmyadmin.dev;

access\_log /home/nginx-logs/phpmyadmin\_access.log;

error\_log /home/nginx-logs/phpmyadmin\_error.log;

root /usr/share/phpmyadmin;

index index.php;

location / {

try\_files $uri $uri/ @phpmyadmin;

}

location @phpmyadmin {

fastcgi\_pass unix:/var/run/php5-fpm.sock;

fastcgi\_param SCRIPT\_FILENAME /usr/share/phpmyadmin/index.php;

include /etc/nginx/fastcgi\_params;

fastcgi\_param SCRIPT\_NAME /index.php;

}

# pass the PHP scripts to FastCGI server listening on 127.0.0.1:9000

#

location ~ \.php$ {

fastcgi\_pass unix:/var/run/php5-fpm.sock;

fastcgi\_index index.php;

fastcgi\_param SCRIPT\_FILENAME /usr/share/phpmyadmin$fastcgi\_script\_name;

include fastcgi\_params;

}

}

ENABLE SERVER BLOCK

cd ..

cd sites-enabled

sudo ln -s /etc/nginx/sites-available/sample sample

sudo service nginx reload

DISABLE DEFAULT SERVER BLOCK

sudo rm /etc/nginx/sites-enabled/default

ADJUST NGINX SETTINGS

sudo nano /etc/nginx/nginx.conf

server\_names\_hash\_bucket\_size 64;

sudo service nginx restart

SET UP LOCAL HOSTS FILE

C:\Windows\System32\Drivers\etc

notepad C:\Windows\System32\drivers\etc\hosts – cmd command

192.168.254.102 app.sample.dev

TEST IN YOUR BROWSER

http://app.sample.dev/

SET STATIC IP TO UBUNTU 14.04

<http://www.simpleprecision.com/how-to-set-a-static-ip-to-ubuntu-14-04-server/>

note: in changing your ip address check first your ip 192.168.\_\_\_.1 and use it.

sudo nano /etc/network/interfaces

# This file describes the network interfaces available on your system

# and how to activate them. For more information, see interfaces(5).

# The loopback network interface

auto lo

iface lo inet loopback

# The primary network interface

auto eth0

# DHCP not needed

# iface eth0 inet dhcp

iface eth0 inet static

address 192.168.1.50

netmask 255.255.255.0

network 192.168.1.0

broadcast 192.168.1.255

gateway 192.168.1.1

dns-nameservers 8.8.8.8

Save and exit.

$sudo nano /etc/resolv.conf

Add:

nameserver 192.168.1.1

nameserver 8.8.8.8

search mynetwork.local

Save and exit.

Edit /etc/hosts

$sudo nano /etc/hosts

Add:

192.168.1.50 u1404server.mynetwork.local u1404server

Save and exit:

Reload (start and stop) network

$sudo ifdown eth0 && sudo ifup eth0

DEBUGING

sudo nano /etc/php5/fpm/php.ini

display\_startup\_errors = On

display\_errors = On

error\_reporting = E\_ALL

sudo service php5-fpm restart

cgi.fix\_pathinfo=1

tail

<http://articles.slicehost.com/2010/8/27/reading-nginx-web-logs>

sudo tail -n 100 /home/nginx-logs/sample\_access.log

sudo service nginx configtest

import to database

mysql -u root -p eric < eric\_dev.sql