#!/bin/bash

########################################

# BASH Script to LAMP Server on RaspPi

# Make sure Script is running as root

if [ "$(id -u)" != "0" ]; then

echo "This Script Must be Ran as Root" 1>&2

exit 1

fi

#Update RaspPi

sudo apt-get update -y

#Change RaspPi Password

echo Change Your Password

sudo passwd

#Add New User

sudo adduser aerial

sudo usermod -aG sudo aerial

#sudo usermod -a -G adm,dialout,cdrom,sudo,audio,video,plugdev,games,users,input,netdev,gpio,i2c,spi aerial

#sudo su - aerial

#Install Apache2

sudo apt update

sudo apt install apache2 -y

#Install MySQL

sudo apt install mariadb-server

sudo mysql\_secure\_installation

sudo apt install php7.3-mysql -y

# Creating a Database and User

#sudo mysql -u root -p

PASS=`pwgen -s 40 1`

sudo mysql -uroot <<MYSQL\_SCRIPT

#Create DATABASE <name>;

CREATE DATABASE $Brandon;

#CREATE USER '<User>'@'localhost' IDENTIFIED BY '<password>';

CREATE USER '$Brandon'@'localhost' IDENTIFIED BY '$PASS';

#GRANT ALL PRIVILGES ON <name>.\* TO '<USER>'@'Localhost';

GRANT ALL PRIVILEGES ON $Brandon.\* TO '$Brandon'@'localhost';

#FLUSH PRIVILEGES;

FLUSH PRIVILEGES;

MYSQL\_SCRIPT

echo "New MySQL User Created"

echo "Username: $Brandon"

echo "Password: $PASS"

#Install MySQL Server and files

sudo apt-get install mysql-server -y

sudo apt-get install apache2 php7.3 libapache2-mod-php7.3 -y

#Install PHPmyadmin

sudo apt-get install phpmyadmin -y

#Configure Phpmyadmin and set permissions

echo 'Include /etc/phpmyadmin/apache.conf' >> /etc/apache2/apache2.conf

sudo chown -R www-data:www-data /var/www

#Restart Apache2

sudo /etc/init.d/apache2 restart

#Install basic firewall

sudo apt install ufw

sudo ufw enable

sudo ufw default allow outgoing

sudo ufw default deny incoming

sudo ufw allow 22

sudo ufw allow 80

sudo ufw allow 8080