**APACHE CONFIGURATION PART 2**

1. sudo nano /etc/apt/sources.list(remove the”ph.”)
2. ifconfig(to check if you are connected to a network)
3. sudo apt-get update
4. sudo apt-get install apache2

**=====First virtual host (Personal Website)=====**

1. sudo mkdir /var/www/**2156134.org**
2. sudo mkdir /var/www/**2156134.org/2156134**
3. sudo chown –R $USER:$USER /var/www/ [**2156134.org/2156134**](http://www.insert_idnumber.org/pSite)
4. sudo chmod –R 755 /var/www
5. sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/**2156134.org.conf**
6. sudo nano /etc/apache2/sites-available/**2156134.org.conf**

**MODIFY:** ServerAdmin [admin@2156134.org](mailto:admin@2156134.org)

**ADD:** ServerName 2156134.org

**ADD:** ServerAlias [www.2156134.org](http://www.2156134.org)

**MODIFY:** DocumentRoot /var/www/2156134.org/2156134

**==you need to insert your personal website files in the ubuntu server==**

**This is how you insert your files from a flash drive**

1. Go to Virtual Box Menu. Select Devices>USB> and choose the flashdrive where your files are located
2. Find what the drive is called. You'll need to know what the drive is called to mount it. To do that fire off:

**sudo fdisk -l**

You're looking for a partition that should look something like: /dev/sdb1. Remember what it's called.

1. Create a mount point. Create a new directory in /media so you can mount the drive onto the file system:

**sudo mkdir /media/usb**

1. Mount!

**sudo mount /dev/sdb1 /media/usb**

1. Copy the files in the folder you created

**sudo cp –a /media/usb/2156134/\* /var/www/2156134.org/2156134**

1. When you're done copying, just fire off:

**sudo umount /media/usb**

1. Edit host file in WINDOWS **(C://Windows/System32/drivers/etc/host)**

**ADD:** IP\_ADDRESS <space> www.2156134.org (type **ifconfig** to get the IP\_ADDRESS)

1. ENABLE your site

sudo a2ensite 2156134.org.conf

sudo service apache2 reload

sudo a2dissite 000-default.conf (just in case it was enabled)

sudo service apache2 reload

# CONTENT COMPRESSION

1. sudo a2enmod deflate
2. sudo service apache2 restart

# USING .htaccess

1. sudo nano /etc/apache2/apache2.conf

Find the line where there is:

**AccessFileName .htaccess**

If it has the # sign beside it, remove it. Leave it be kung wala.

Next,find the line where there is:

<Directory /var/www/>

Options Indexes FollowSymLinks

## AllowOverride None

Require all granted

</Directory>

**replace "None" with "All"**

AllowOverride All

Then save the file.

1. cd (make sure you’re in home directory)
2. cd /var/www/2156134.org/2156134
3. sudo nano **.htaccess**

**ADD THE FOLLOWING LINES:**

<IfModule mod\_deflate.c>

AddOutputFilterByType DEFLATE text/css text/html

Header append Vary User-Agent

</IfModule>

**SAVE THE FILE.**

1. sudo service apache2 restart

# USING config file

cd /etc/apache2/sites-enabled

sudo nano 2156134.org.conf

**ADD THE FOLLOWING LINES :** (AT THE END OF THE DOCUMENT)

<Directory /var/www/2156134.org/2156134>

<IfModule mod\_deflate.c>

AddOutputFilterByType DEFLATE text/css text/html

Header append Vary User-Agent

</IfModule>

</Directory>

# CONTENT CACHING

sudo a2enmod expires

# USING .htaccess

1. cd (make sure you’re in home directory)
2. cd /var/www/2156134.org/2156134
3. sudo nano **.htaccess**

**ADD THE FOLLOWING LINES :** (AT THE END OF THE DOCUMENT)

<IfModule mod\_expires.c>

ExpiresActive on

<filesMatch \.(gif|jpeg|png)$>

ExpiresDefault “access plus 24 hours”

</filesMatch>

</IfModule>

**SAVE THE FILE.**

1. sudo service apache2 restart

# USING config file

1. cd /etc/apache2/sites-enabled
2. sudo nano 2156134.org.conf

**ADD THE FOLLOWING LINES :** (AT THE END OF THE DOCUMENT)

<Directory /var/www/2156134.org/2156134>

<IfModule mod\_expires.c>

ExpiresActive on

<FilesMatch “\.(gif|jpe?g|png)$”>

ExpiresDefault “access plus 24 hours”

</FilesMatch>

</IfModule>

</Directory>

**SAVE THE FILE.**

1. sudo service apache2 restart