**STEP 1**

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Setting USB disable

Network adapter

Network enable

Advanced

Command prompt ipconfig/all

Description should match with the name

Check CABLE CONNECTED

Start

Login: webtek

Password: 2017

ifconfig

(inet addr:192.etc…) to verify use (ping IPaddress –t)

**SHH file transfer**

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Sudo vim /etc/ssh/sshd\_config

Password

A

Put at the end

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Ciphers aes128-cbc,aes192-cbc,aes256-cbc,blowfish-cbc,arcfour

KexAlgorithms diffie-hellman-group1-sha1

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Press esp :wq

Reboot

Quick Connect to ipaddress of the linux

/var/www all files (drag and drop)

New file transfer window

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**If Error Occur(permission denied)**

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Sudo mkdir files

Sudo chmod 777 –R files/

**GITHUB/7-ZIP**

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Clone the repo Download ZIP

Download 7zip

Add to achieve and make it tar

Dropbox

Go to upload

Choose TAR file then click upload

Click Share create link

Copy link

Goo.gl

Paste the link

Dl=0 change to dl=1

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**Go to VM**

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Commands

Cd /var/www/

Sudo wget [https://goo.gl/](https://goo.gl/%20+%20the) +the shortened linked

To Rename use:

Sudo mv shortenedlink our-work.tar

Ls to CHECK

**FOR 7-ZIP**

sudo tar –xvf (name of files)

**Step 2**

%windir%\System32\drivers\etc

Put ipaddress+ [www.group4.org](http://www.group4.org)

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Save on desktop for security purposes

Save it as eq: “host”

Ping host name to verify !!

**To INSTALL virtual HOST name**

Use Pwd current position

Sudo mkdir –p group4.org/public\_html

Ls

Sudo chown –R webtek:webtek group4.org/public\_html/

Pwd

Chmod –R 755 /var/www/ or Chmod –R 755 .(dot)

Ls

Cd files/

Cd to folder project

Mv ./\* /var/www/group4.org/public\_html/

Check ls –al

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**OPTIONAL FOR hidden files**

Manually move it

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Directory should be (Etc apache 2)

Cd /var/www/group4.org

Sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/site-available/group4.org.conf

Cd /var/www/group4.org

Sudo vim sudo group4.org.conf

**Change serveradmin**

Press a

ServerAdmin [admin@group4.org](mailto:admin@group4.org)

ServerName group4.org

Serveralias [www.group4.org](http://www.group4.org)

DocumentRoot /var/www/group4.org/public\_html

Esp :wq

To change to apache site

sudo a2ensite group4.org.conf (gr+tab)

sudo service apache2 reload

**STEP 3**

Cd /etc/apache2/

Cd mods-available/

Sudo a2enmod deflate

Sudo service apache2 restart

Cd ../mod-enabled/

Ls

Sudo vim deflate.conf

Change to TEXT/HTML TEXT/CSS only

Remove others by deleting or adding #

Sudo service apache2 restart

**STEP 4**

Cd /var/www/

Sudo Chmod 777 files/

Sudo mkdir –p IDNUMBER.org/public\_html

Sudo chown –R webtek:webtek IDNUMBER.org/public\_html

Sudo chmod 755 /var/www/

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Sudo mv files/webtech-personal-website-master/\* idnumber.org/public\_html

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Cd /var/www/group4.org

Sudo vim sudo group4.org.conf

**Change serveradmin**

Press a

ServerAdmin [admin@idnumber.org](mailto:admin@idnumber.org)

ServerName idnumber.org

Serveralias [www.idnumber.org](http://www.idnumber.org)

DocumentRoot /var/www/idnumber.org/public\_html

Esp :wq

To change to apache site

sudo a2ensite idnumber.org.conf

sudo service apache2 reload

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**FOR CACHE**

Cd /etc/apache2/mods/available/

Sudo a2enmod expires

Sudo service apache2 restart

**FOR HEADER**

Sudo a2enmod headers

Sudo service apache2 restart

**APPLY CACHE**

Sudo vim /etc/apache2/sites-available/group4.org

ExpiresActive on

ExpiresBytype image/gif A86400

ExpiresBytype image/png A86400

ExpiresBytype image/jpg A86400

ExpiresBytype image/jpeg A86400

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Sudo a2dissite group4.org.conf

Sudo service apache2 reload

**STEP 5**

Cd /var/www/

Sudo mkdir –p negotiate.org/public\_html

Cd negotiate.org/public\_html

Sudo vim content.html

**Create the HTML**

<doctype html>

<html>

<head><title>Dummy Content</title></head>

<body>

<h1>Dummy HTML file</h1>

</body>

</html>

Esp :wq

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Sudo vim content.txt

This is a plain text dummy

Esp :wq

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Cd ../../

Sudo chown –R webtek:webtek /negotiate.org/public\_html/

Sudo chmod 755 –R /var/www/

Sudo cp /etc/apache2/sites-available/group4.org.conf /etc/apache2/sites-available/ negotiate.org.conf

Sudo vim /etc/apache2/sites-available/ negotiate.org.conf

**Change serveradmin**

Press a

ServerAdmin [admin@negotiate.org](mailto:admin@negotiate.org)

ServerName negotiate.org

Serveralias [webtek.negotiate.org](http://www.negotiate.org)

DocumentRoot /var/www/ negotiate.org/public\_html

Esp :wq

To change to apache site

sudo a2ensite negotiate.org.conf(sudo a2dissite negotiate.org.conf)

sudo service apache2 reload

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**CHANGE HOST AGAIN**

Ipaddress +webtek.negotiate.org

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Cd to /var/www/negotiate.org/public\_html

Commands

Sudo vim .htaccess

**ALWAYS Enable the mod**

Sudo a2emod negotiation

Sudo service apache2 restart

AddHandler type-map .var

Esp :wq

Sudo vim content.var

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URI: <http://webtek.negotiate.org/content>

*Black space(Enter)*

URI:content.txt

Content-type:text/plain

*Black Space(Enter)*

URI:content.html

Content-Type:text/html

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Sudo service apache2 restart

sudo cp content.html language.html.en

sudo cp content.html language.html.fil

ls

sudo vim language.html.en

**CODES**

<title>English Language

<body><h1>This is English page

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sudo vim language.html.fil

**CODES**

<title>Filipino Language

<body><h1>Ito ay pahinang Pilipino

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sudo vim language.html.fil.var

URI: <http://webtek.negotiate.org/language.html>

Blank Space(enter)

Content-language: en

Content-type: text/html

URI: language.html.en

Blank Space(enter)

Content-language:fil

Content-type: text/html

URI: language.html.fil

Directory should be Var/www

Sudo mkdir –p access.org/public\_html

Cd access.org/public\_html/

Sudo cp ../../negotiate.org/public\_html/content.html .

Sudo vim content.html

**Commands**

<title>Index Restricted

<h1>

Sudo mv content.html index.html

Ls

Sudo cp /etc/apache2/sites-available/idnumber.org.conf /etc/apache2/sites-available/access.org.conf

Sudo vim access.org.conf

**Change serveradmin**

Press a

ServerAdmin [admin@access.org](mailto:admin@access.org)

ServerName access.org

Serveralias [webtek.access.org](http://www.negotiate.org)

DocumentRoot /var/www/ access.org/public\_html

Esp :wq

To change to apache site

sudo a2ensite access.org.conf(sudo a2dissite negotiate.org.conf)

sudo service apache2 reload

**Edit HOST**

Ipaddress + [www.access.org](http://www.access.org)

**Step 6**

Sudo a2enmod authz\_host

Sudo service apache2 restart

Sudo vim /etc/apache2/sites-available/access.org.conf

**codes**

add to first line

<Directory “/var/www/access.org/public\_html”>

Require host .edu

Require host .org

<LimitExcept GET HEAD POST>

Require all granted

</LimitExcept>

</Directory>

Sudo apache2 restart

**If error**

**IMPORTANT COMMANDS**

A -INSERT

Esp -GET OUT

:q -QUIT

:wq -WRITEand QUIT

:q! -JUST QUIT

Cat -content of a file

Mtr 8.8.8.8 -check the internet

Pwd -current position

-R -Recursive

Vim -

Sudo rm –rf file name our-work.tar

Sudo rm –r filename/