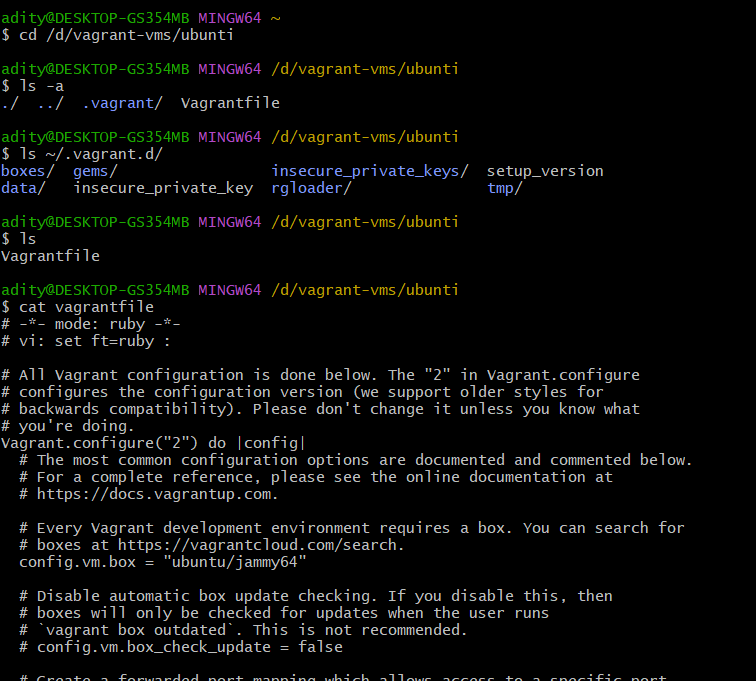
SECTION5-VAGRANT

1.Vagrant IP.RAM.CPU

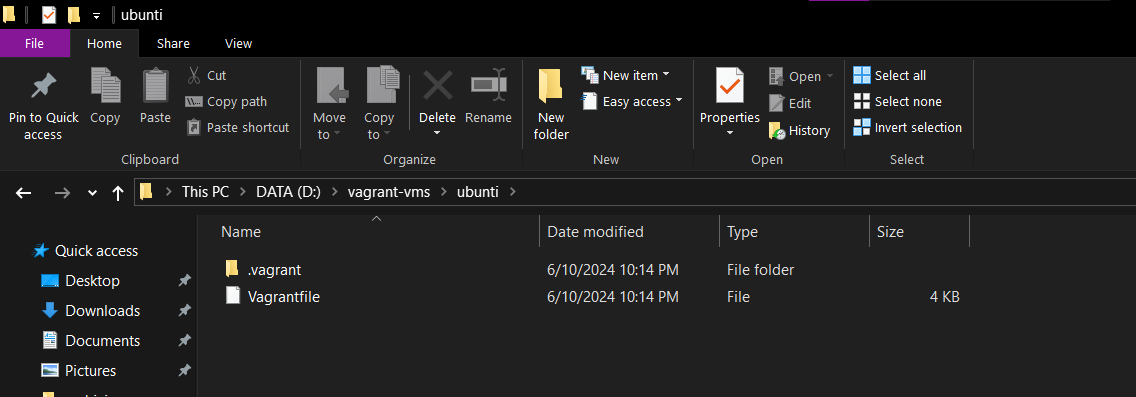
Ls -a:

🡪.vagrant file :where vagrant keeps all its information

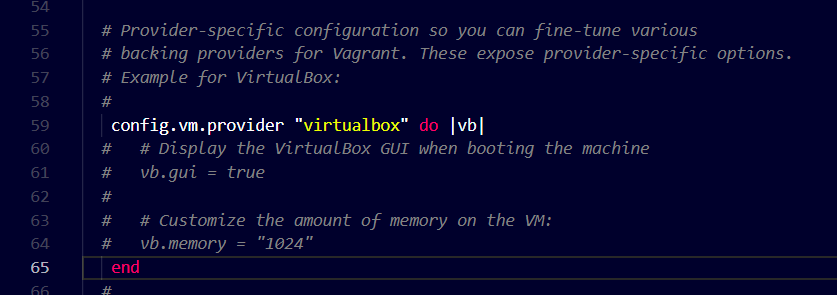
Ls ~/.vagrant.d/:global vagrant file which is hidden



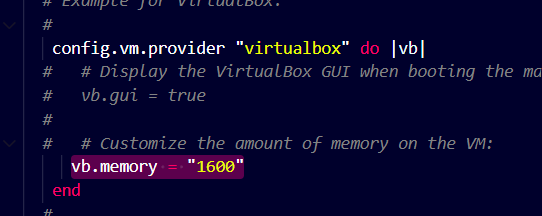
🡪open the vagrant file in the specified dir and make the changes and uncomment some lines



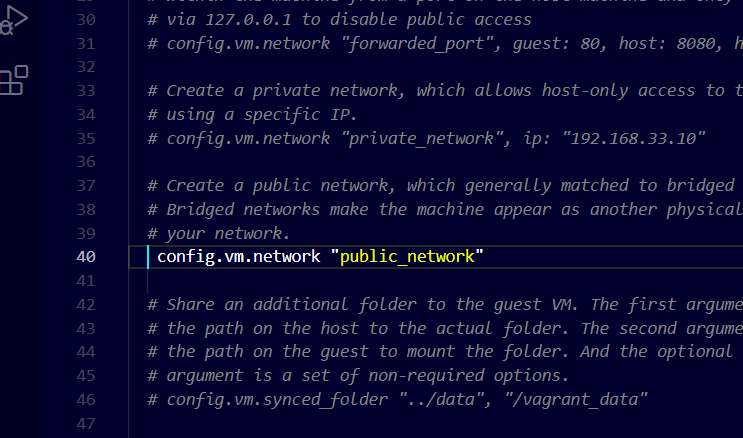
🡪make the changes



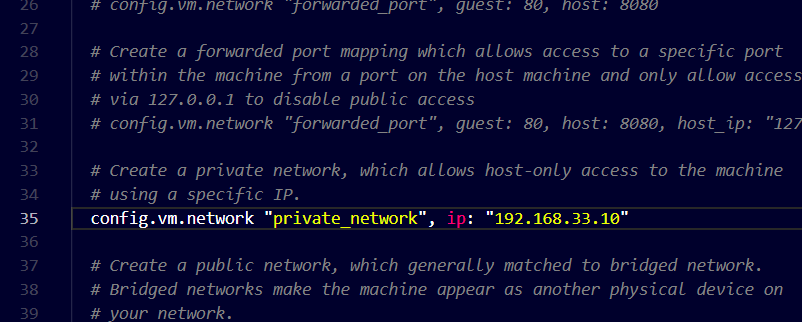
-increasing the ram



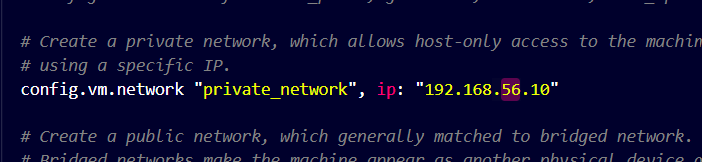
-for bridge settings uncomment



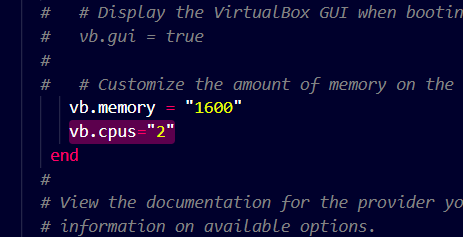
-uncomment to have a static IP address



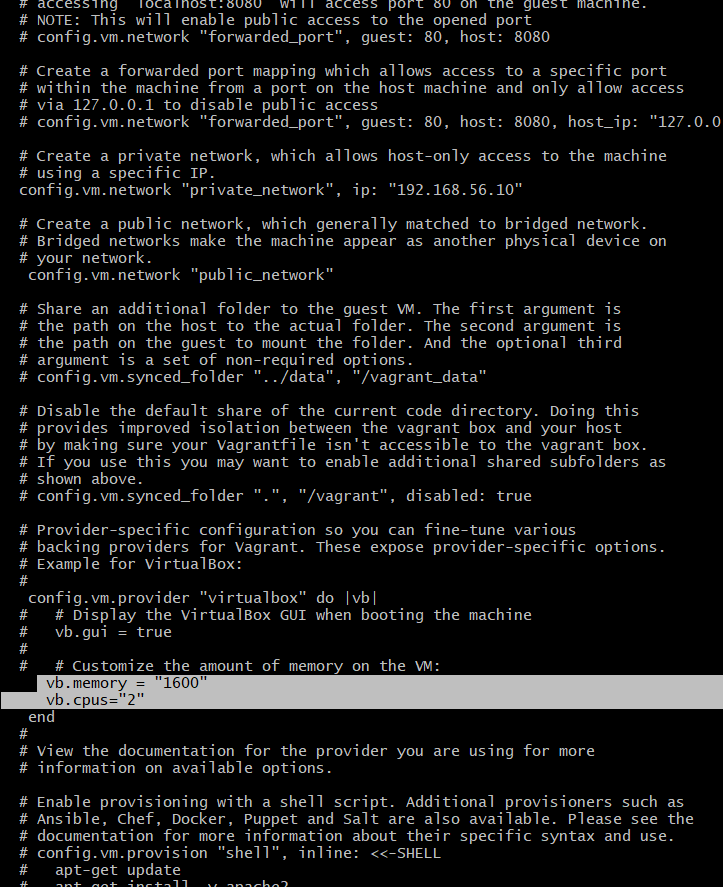
-change the IP octat from 33 to 56 becz other computers block numbers allow range from 50-60 and 56 is ideal

-

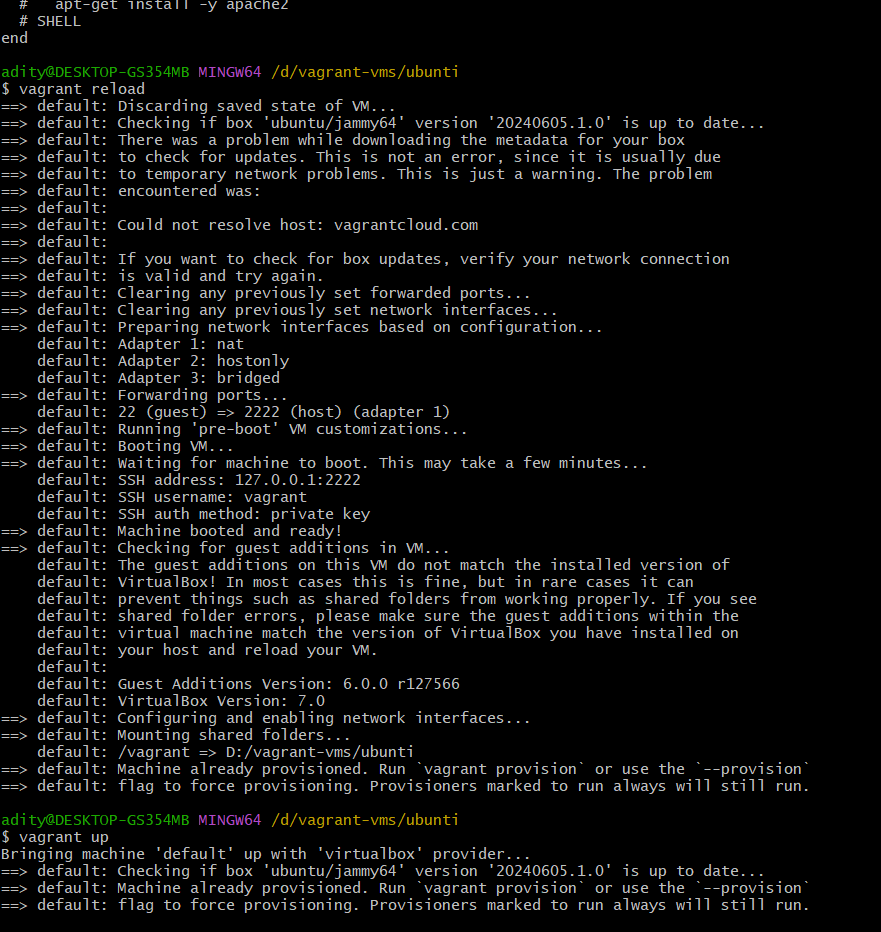
-cahnge 1 to 2 to add more CPUs

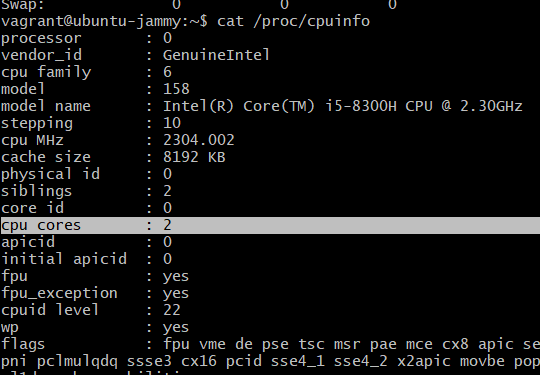
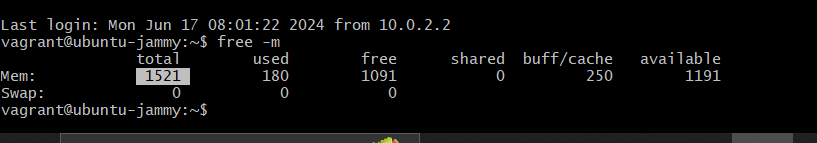


Validate the changes using cat command



-reload the vagrant to see all the settings u have implimented



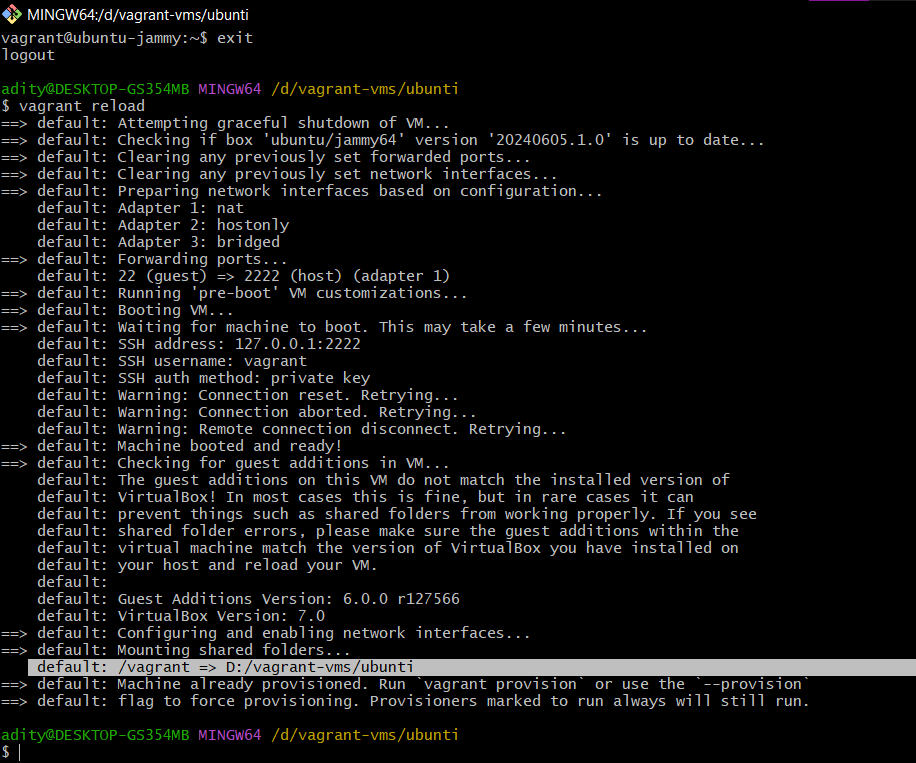


2.vagrant sync directories

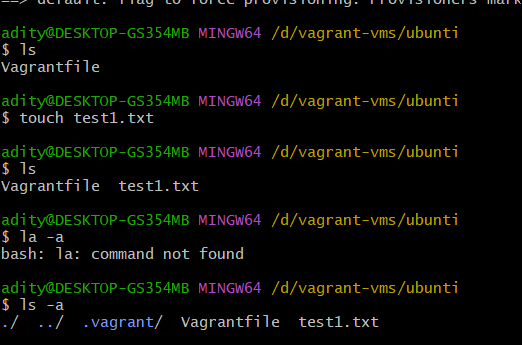
/vagrant:is the guest path

D:/vagrant vms/ubunti is the host path

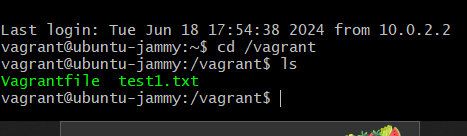
Any changes made in this path will affect both the huest as well as the host user



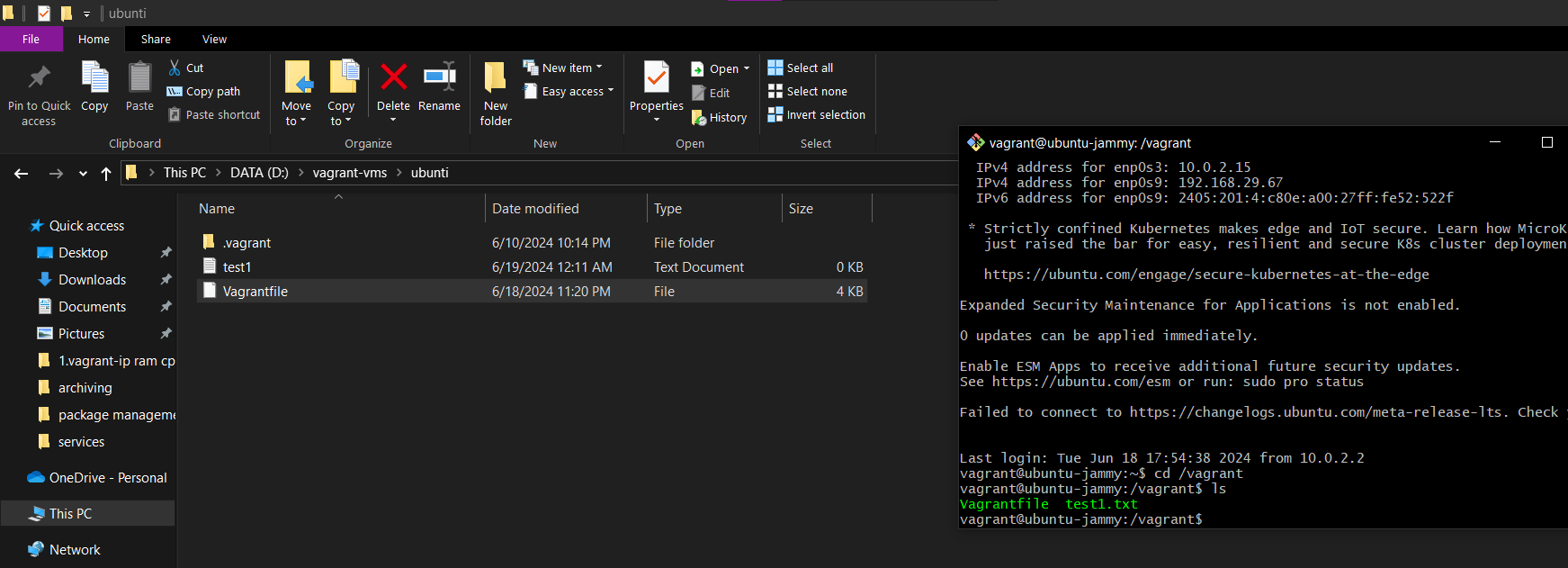
-create a new file in windows

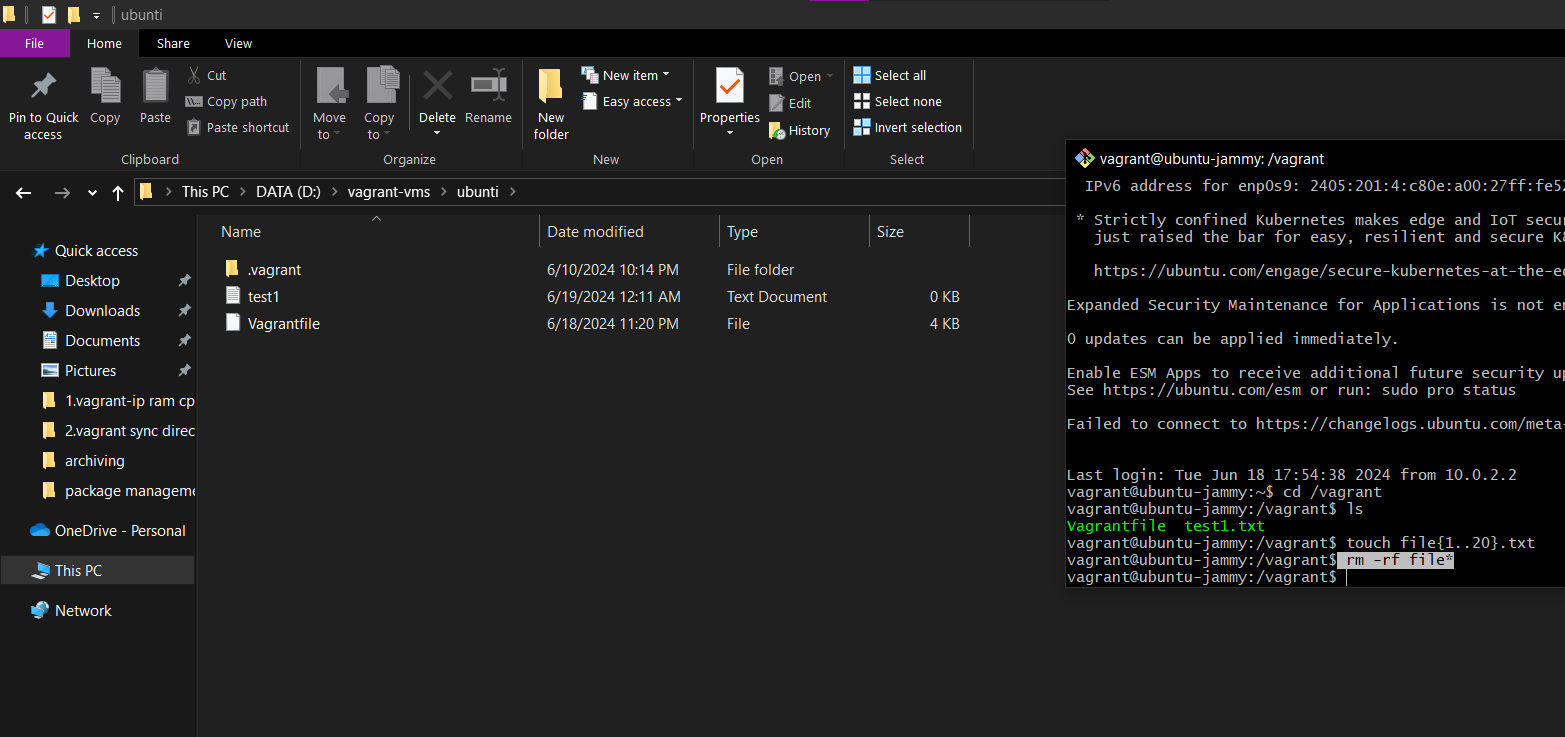
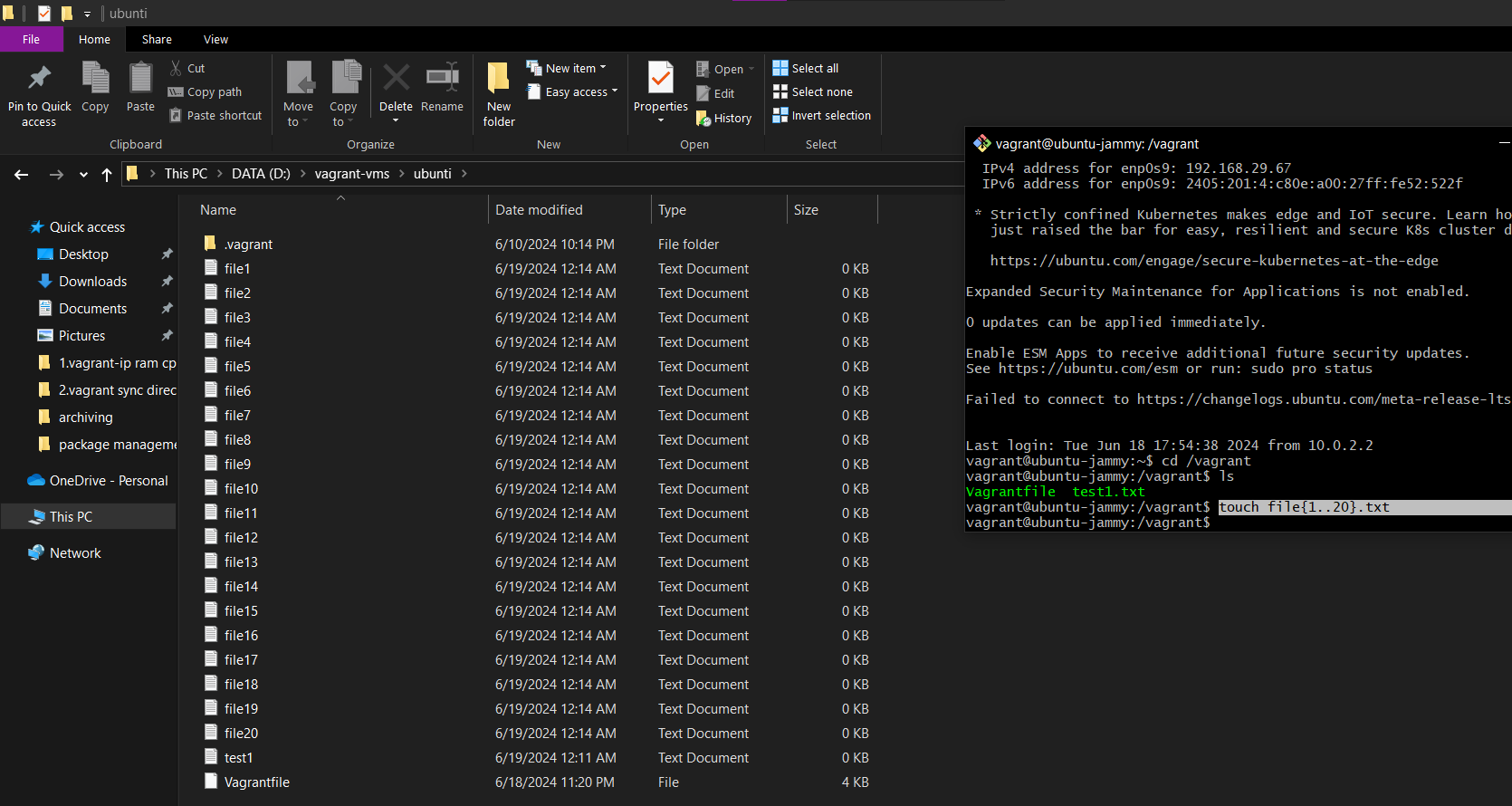


-u can see the corresponding file in the same directory in the pc



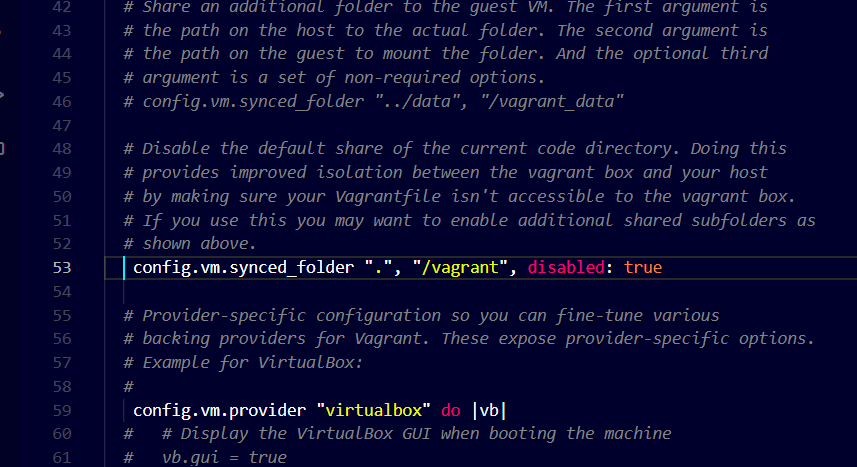
-the sync between the host machine in the left and guest mschine on right



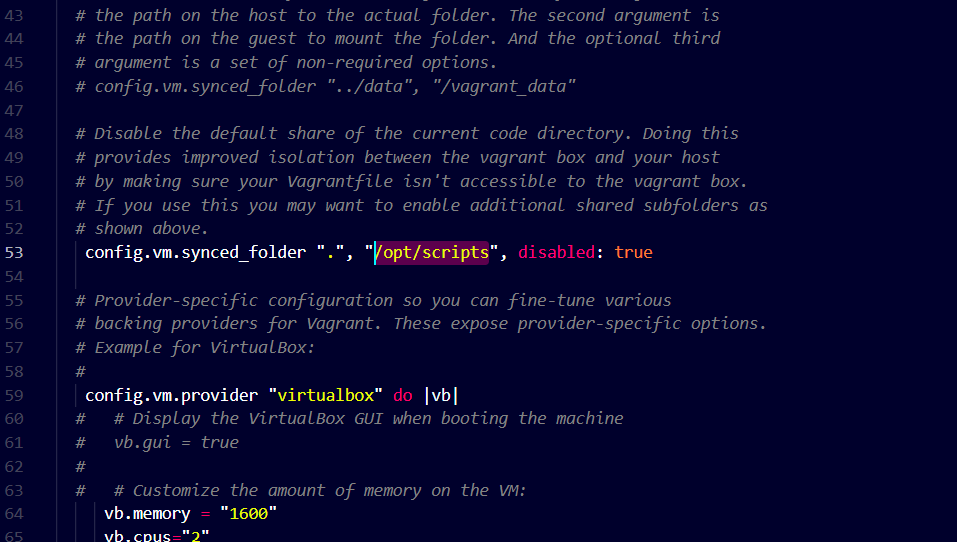


-we can also mention our won file path and create a new sync directory

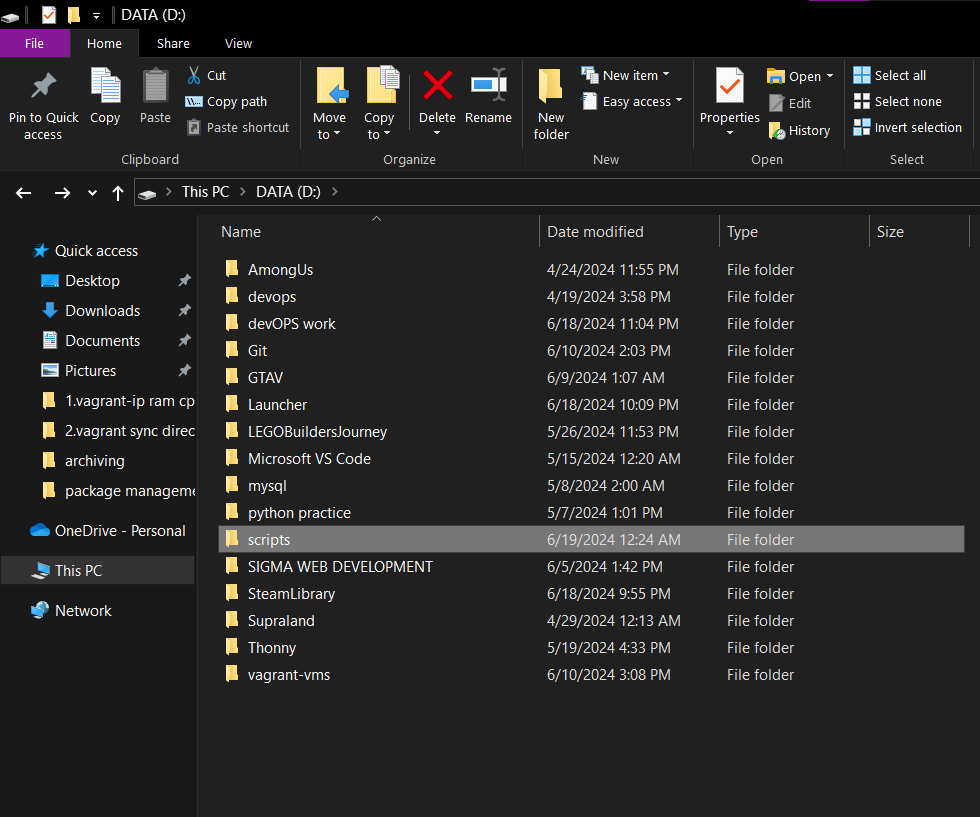
-uncomment the following line



-give any name here



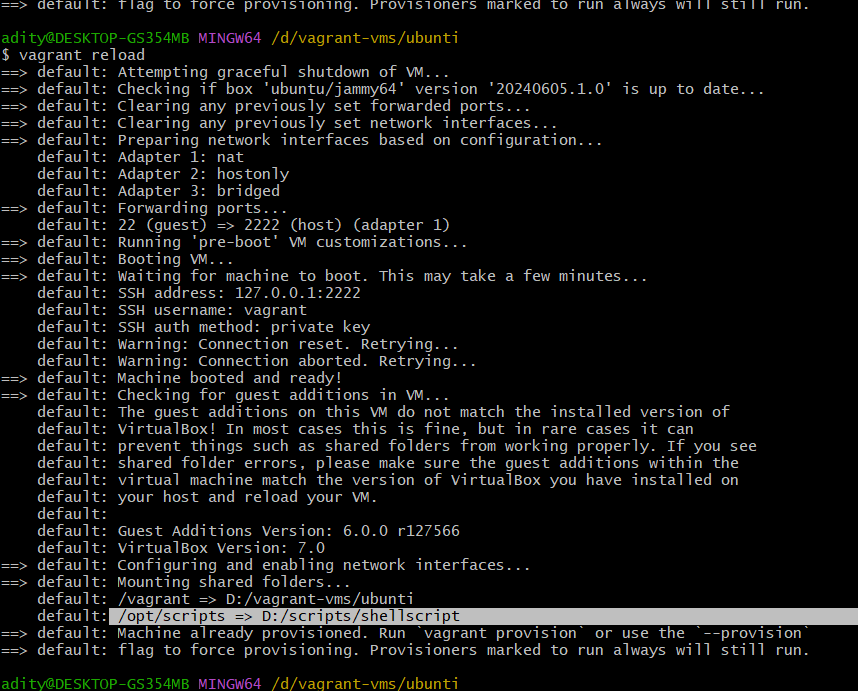
-create a new folder with name scripts and inside create another folder shellscripts



-now give a perfect directory name

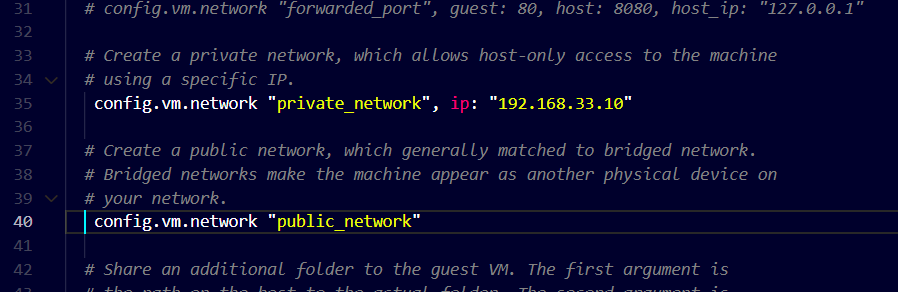


-here u can se another sync directory is added

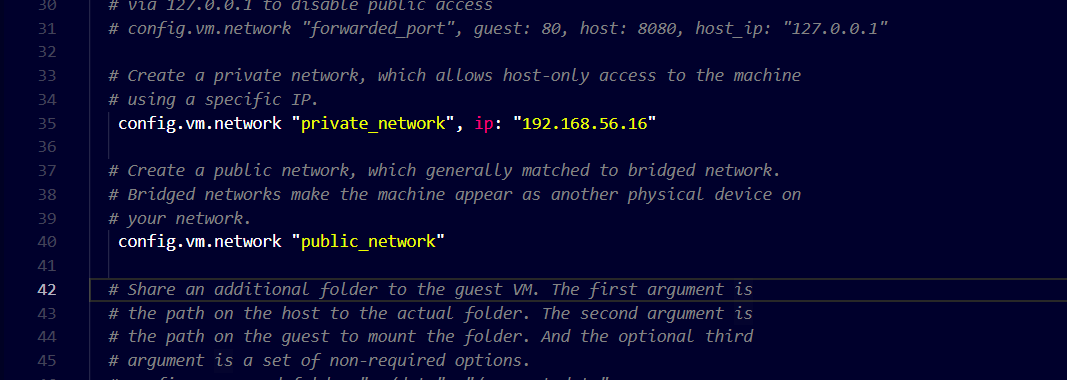


3.provisioning

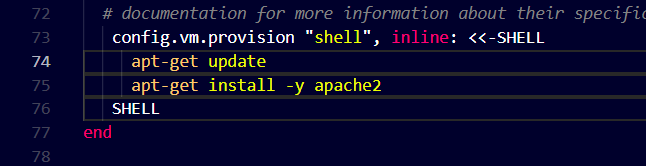
open centos vagrant file

Make the following changes to adapt bridge and change the ipaddress from 33.10-to 56.16

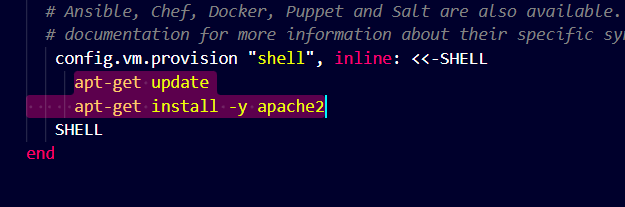
-change ip



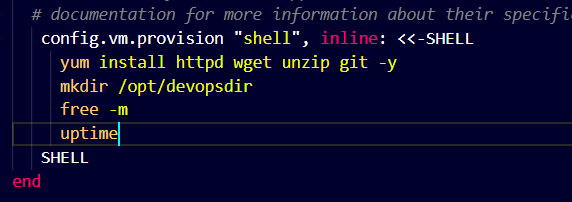
-uncomment the last 4 lines of the fire for provisioning



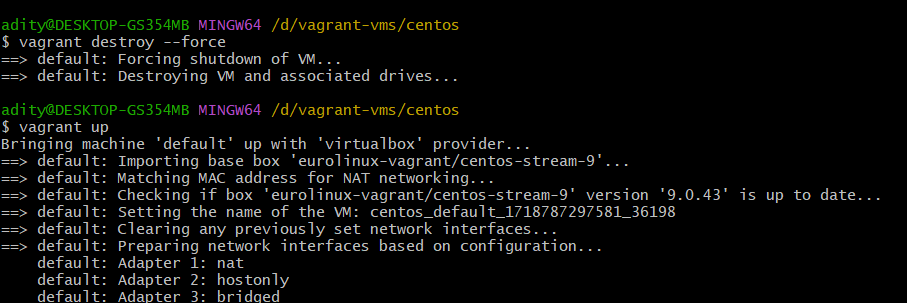
* Mentions the commands u want to get executed in provisionning



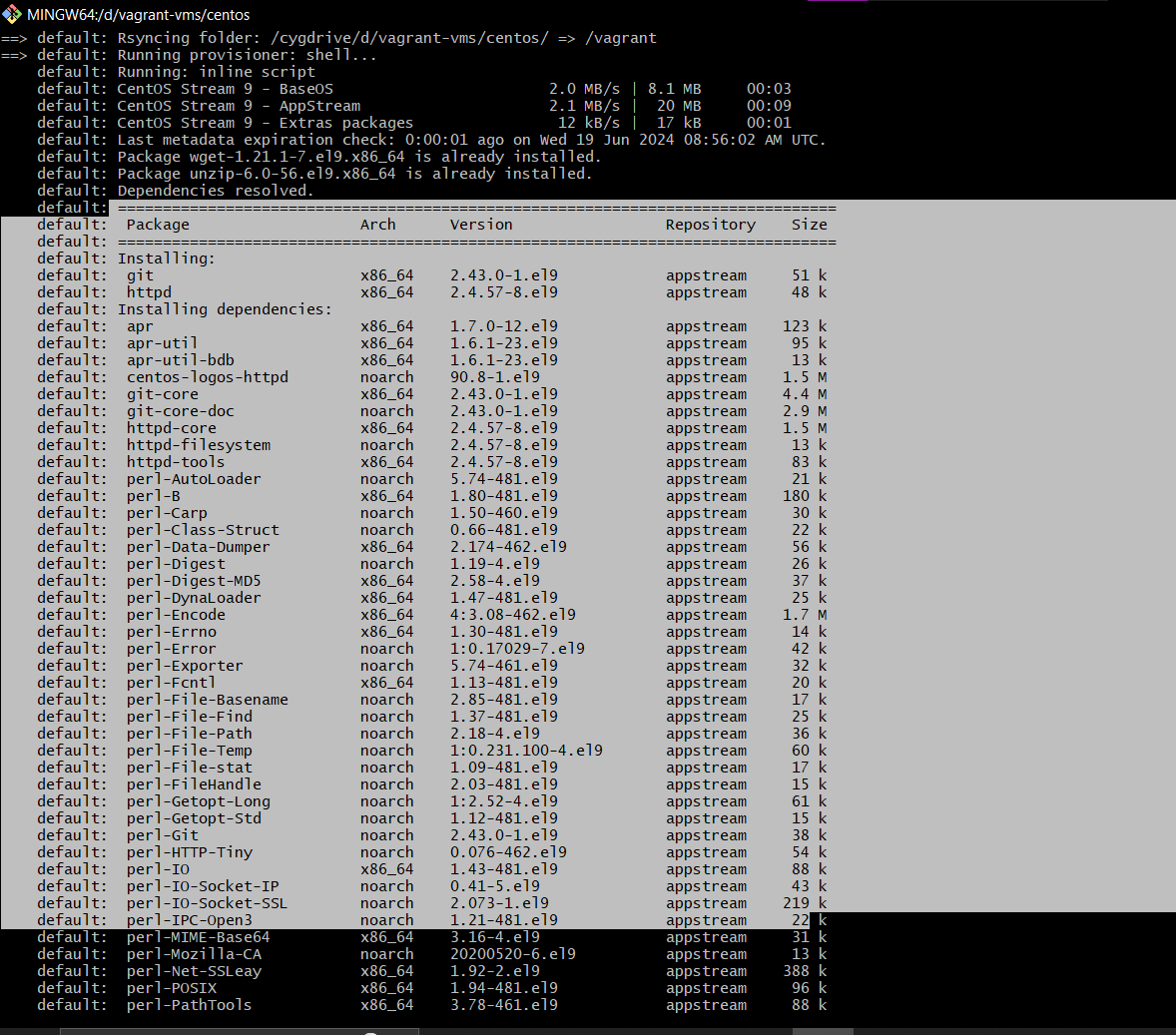
-add these commands u can add any command u need

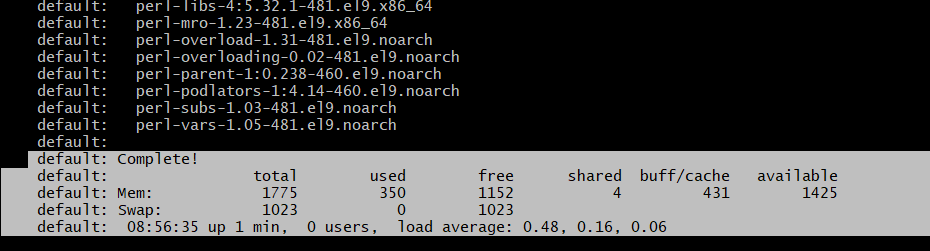


-in gitbash delete and reinstall the centos vagrantvm

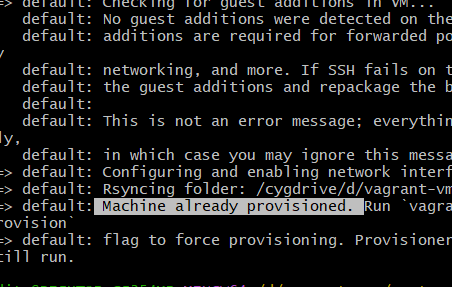


-these r the commands that we execute

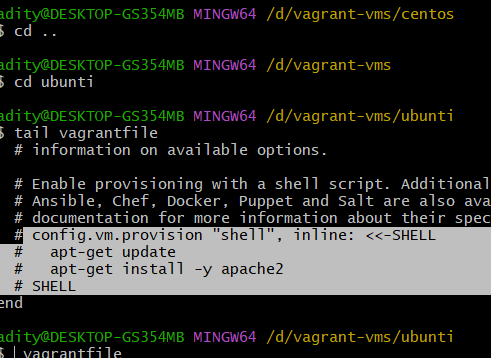




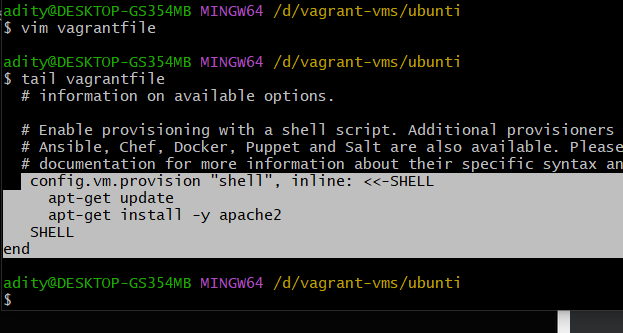
Provisioning will not work for vagrant reload command



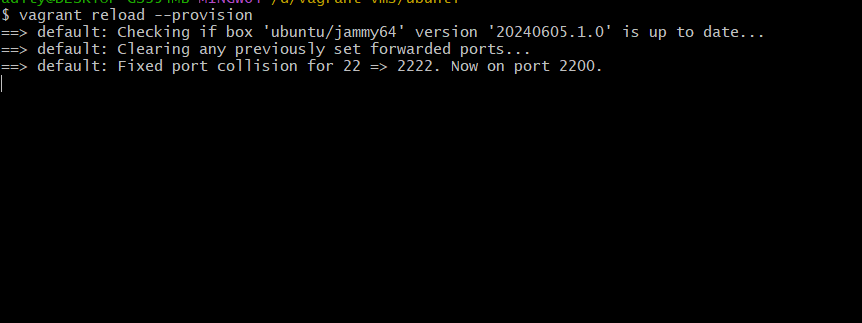
-for provisioning in the ubuntu file make the same changes



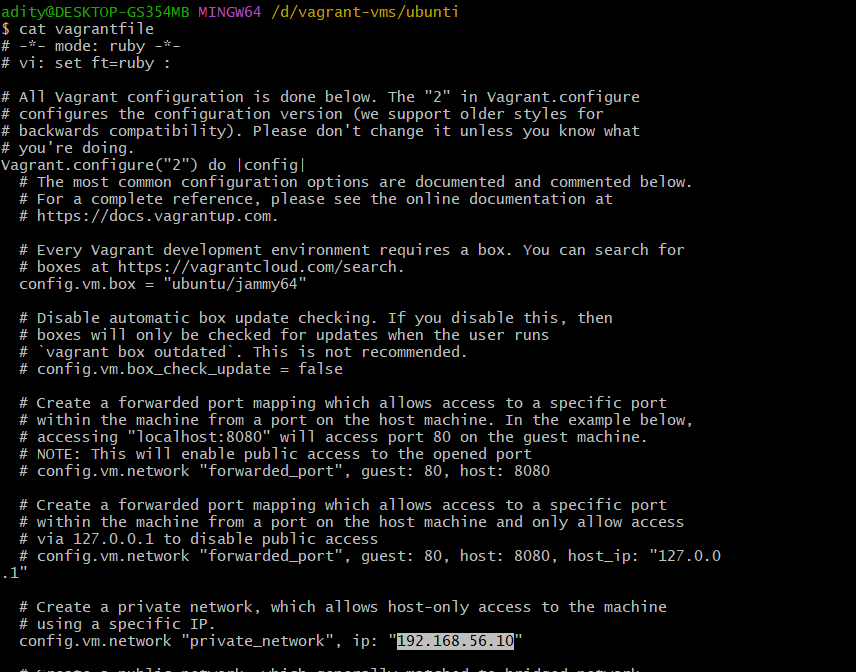
-uncomment



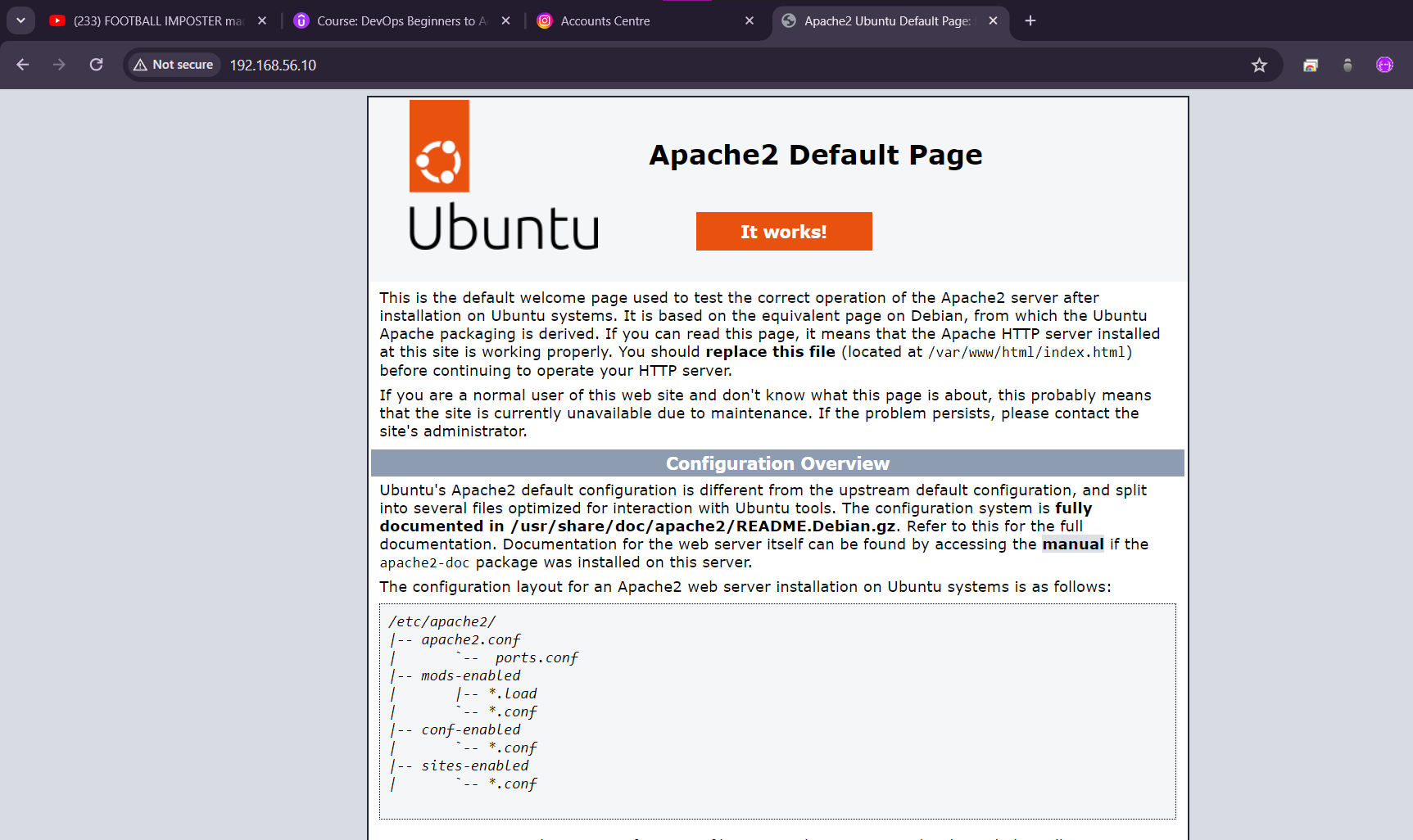
To force provisioning in the reload command in ubuntu use the following command



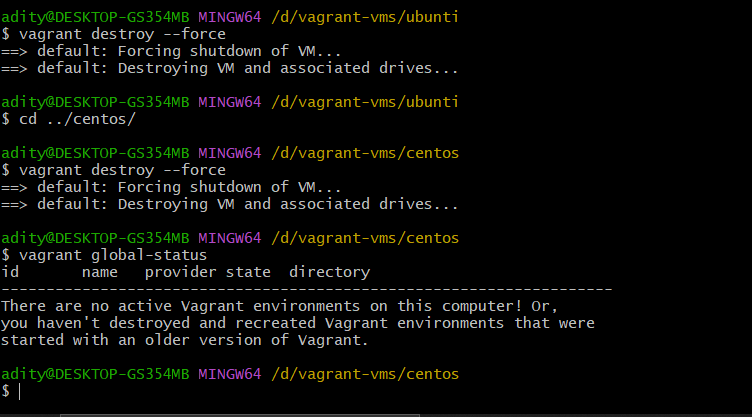
-open the vagrant file and copy the ipaddress



-usko browser pe dalo

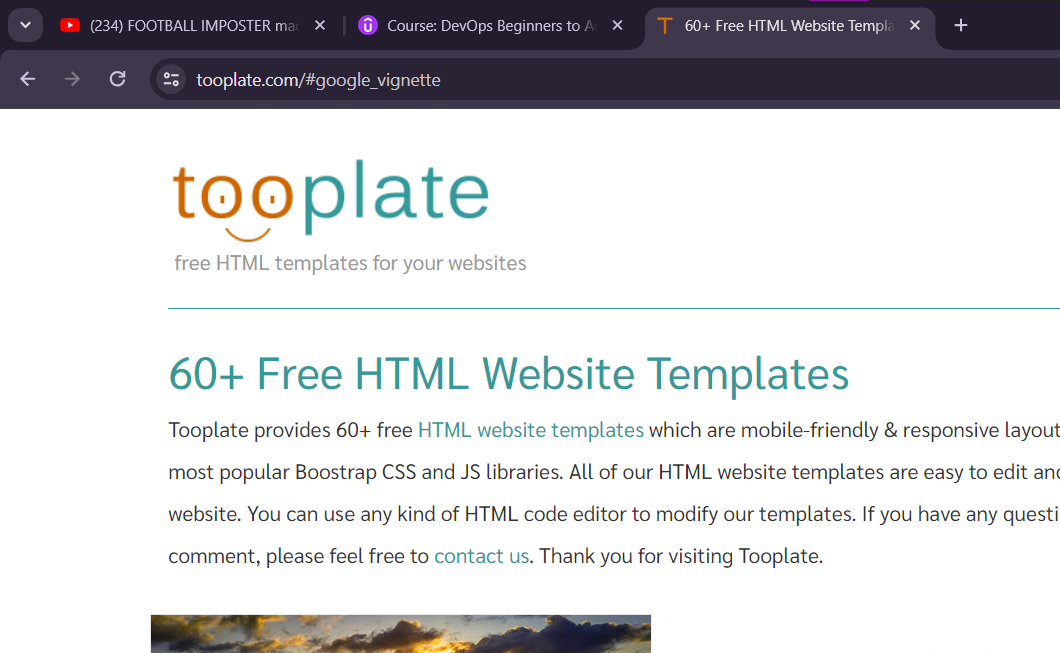


-destroy bothe the vms at the end

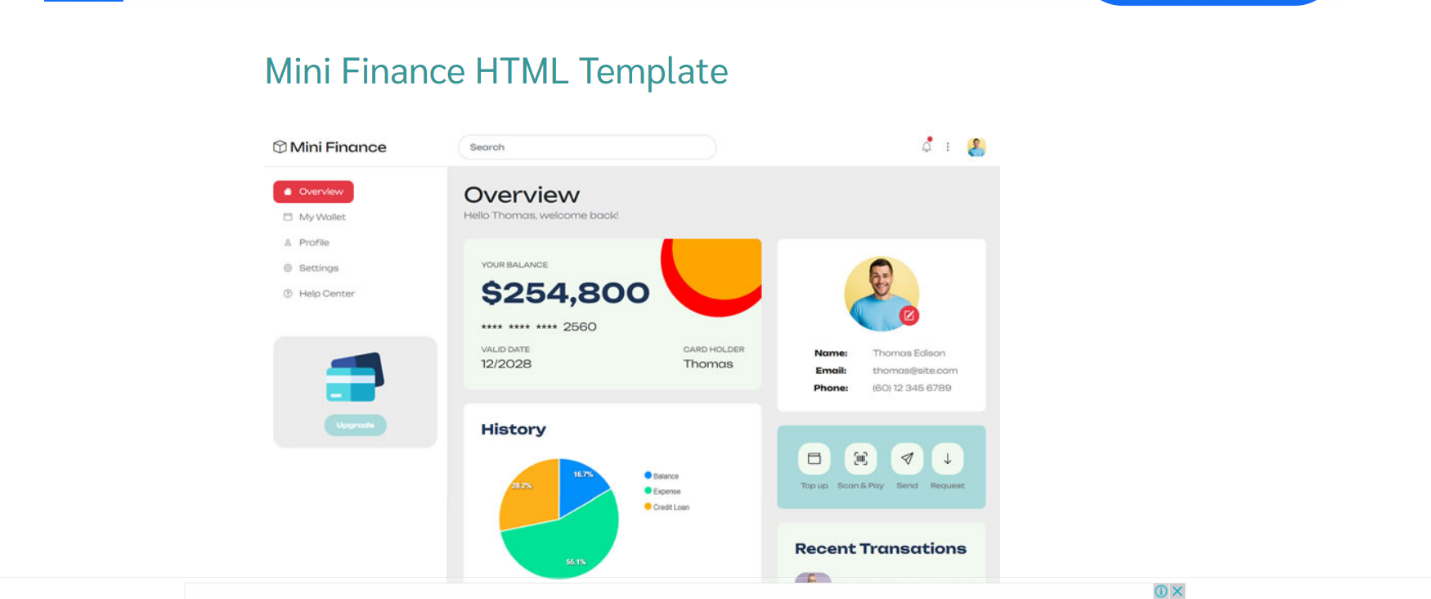


4.website setup

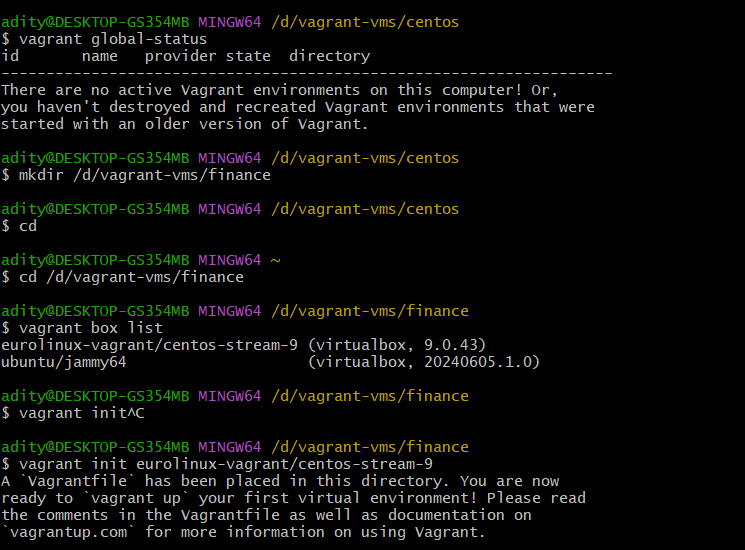
-Go to this website to select the template for your website



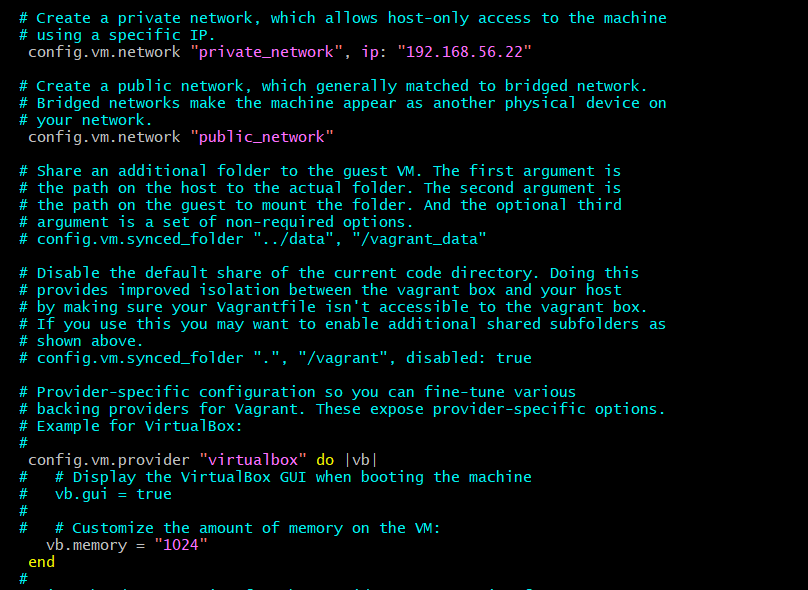
-I have chosen this template



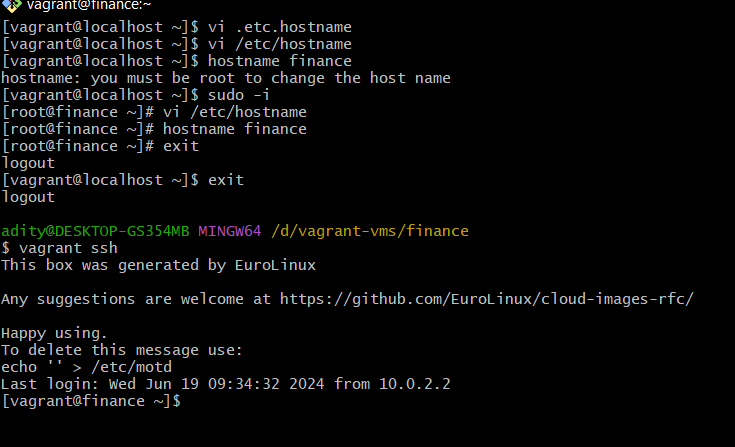
-create a new directory finance and powerup the vagrant



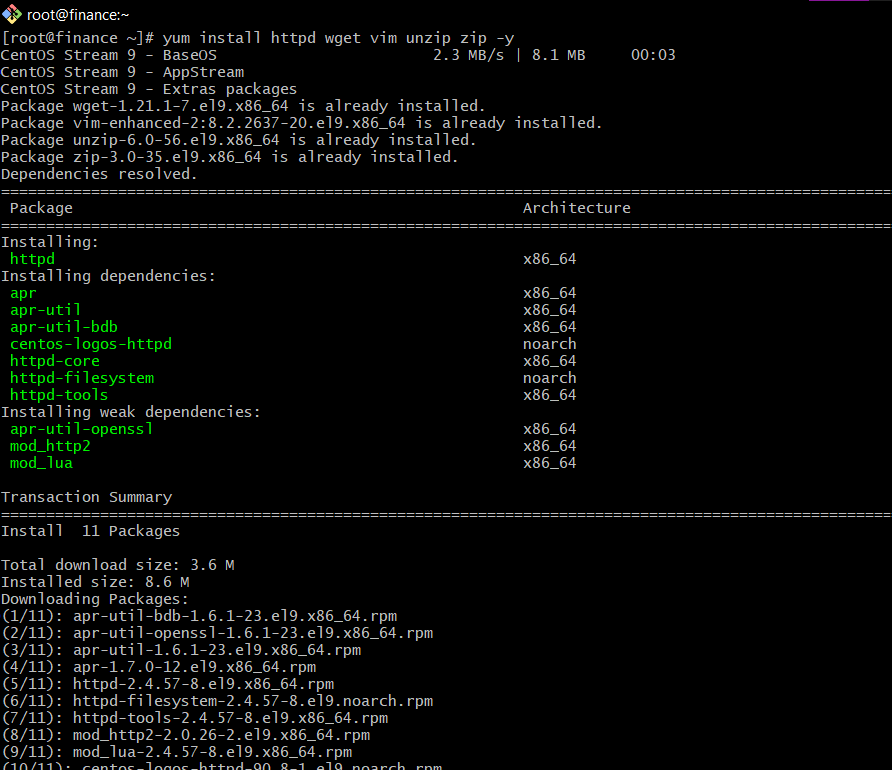
-uncomment the lines in vagrantfile



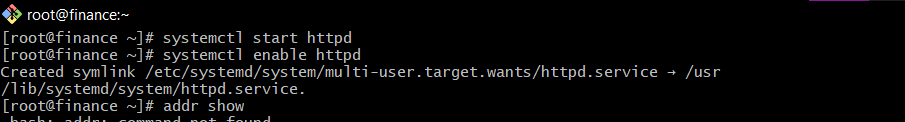
-changing the hostname to finance



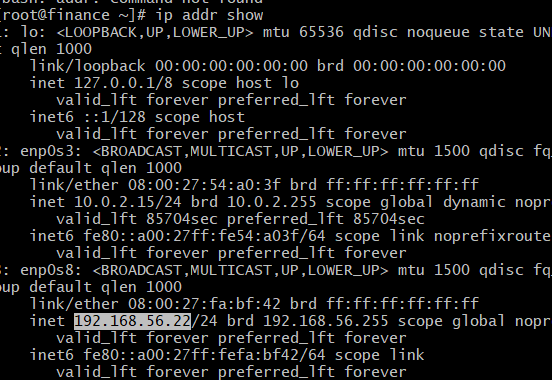
-install the following



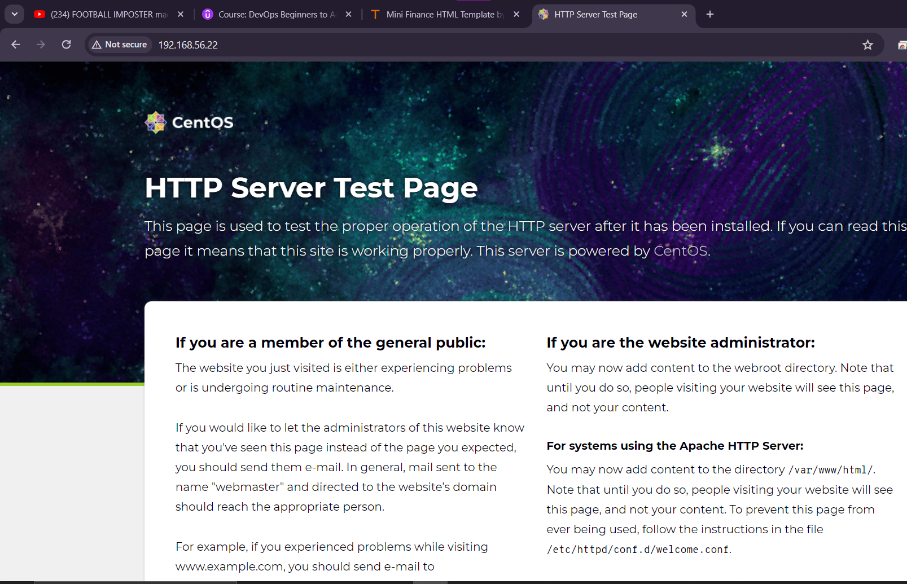
-start and enable the httpd service



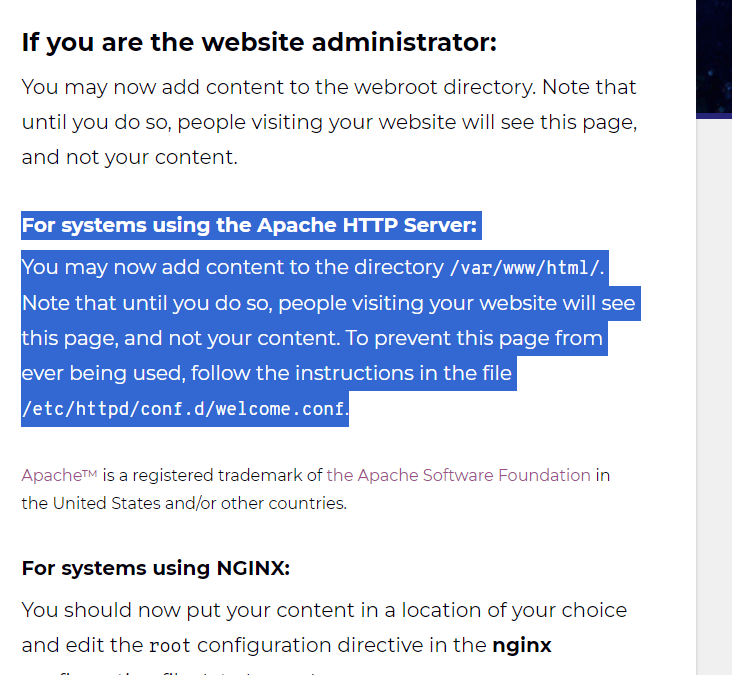
-find the ip address

-

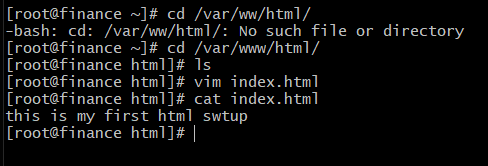
-paste the ip on browser to get the preview of our page



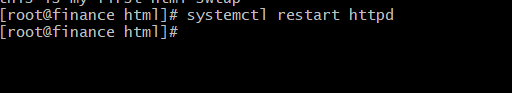
Read the lines of the file carefully



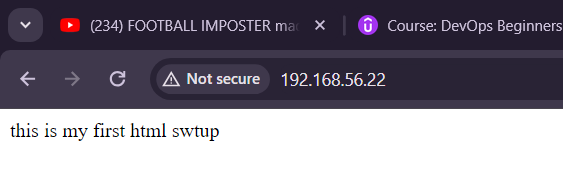
-add the content to the html file

-

-make sure to restart he service whenever u make changes to the html or other content files

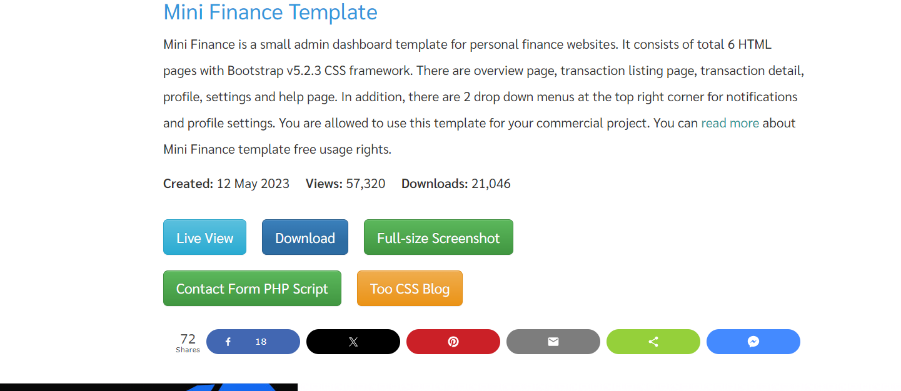


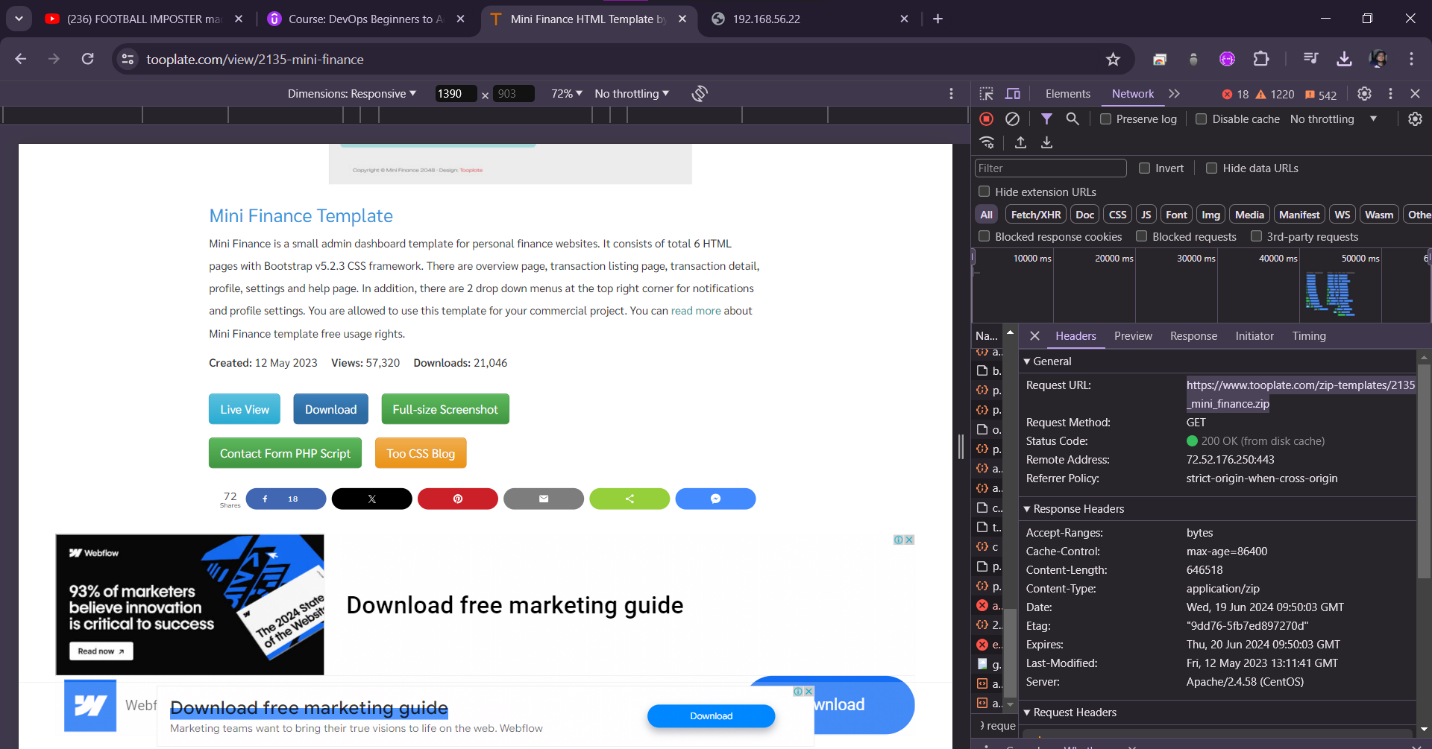
-page update



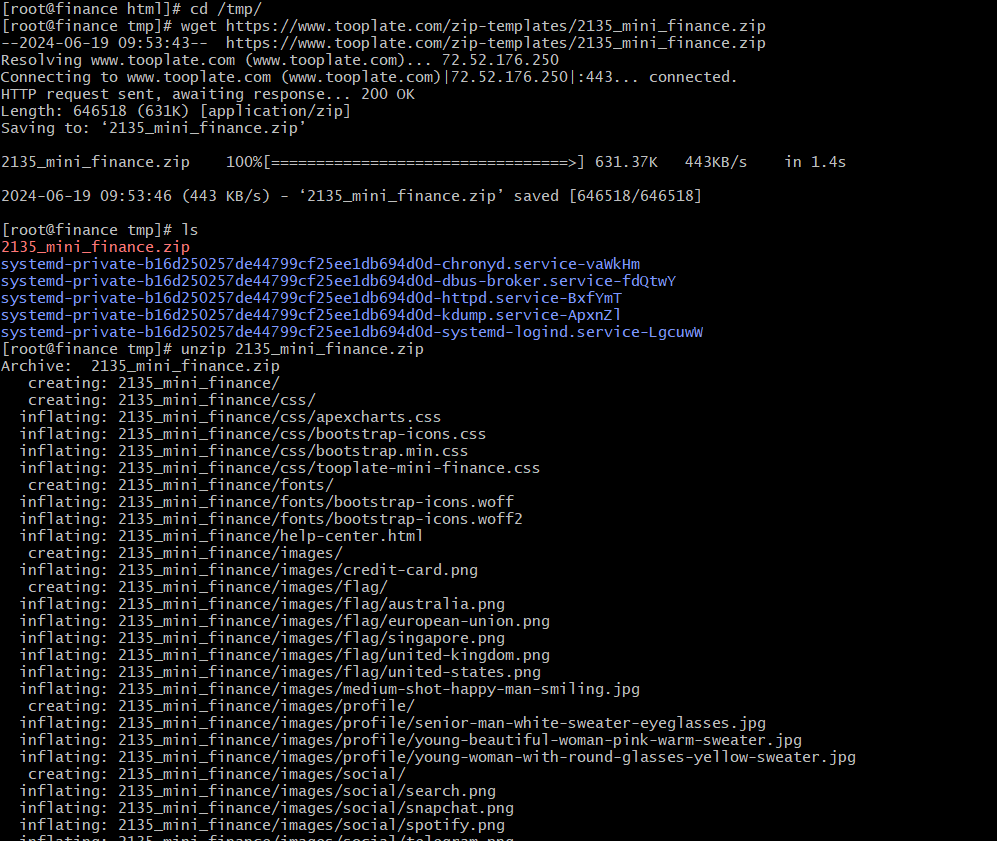
Download the template

F12🡪networking tab🡪click on the download button🡪zipfile🡪required drc copy





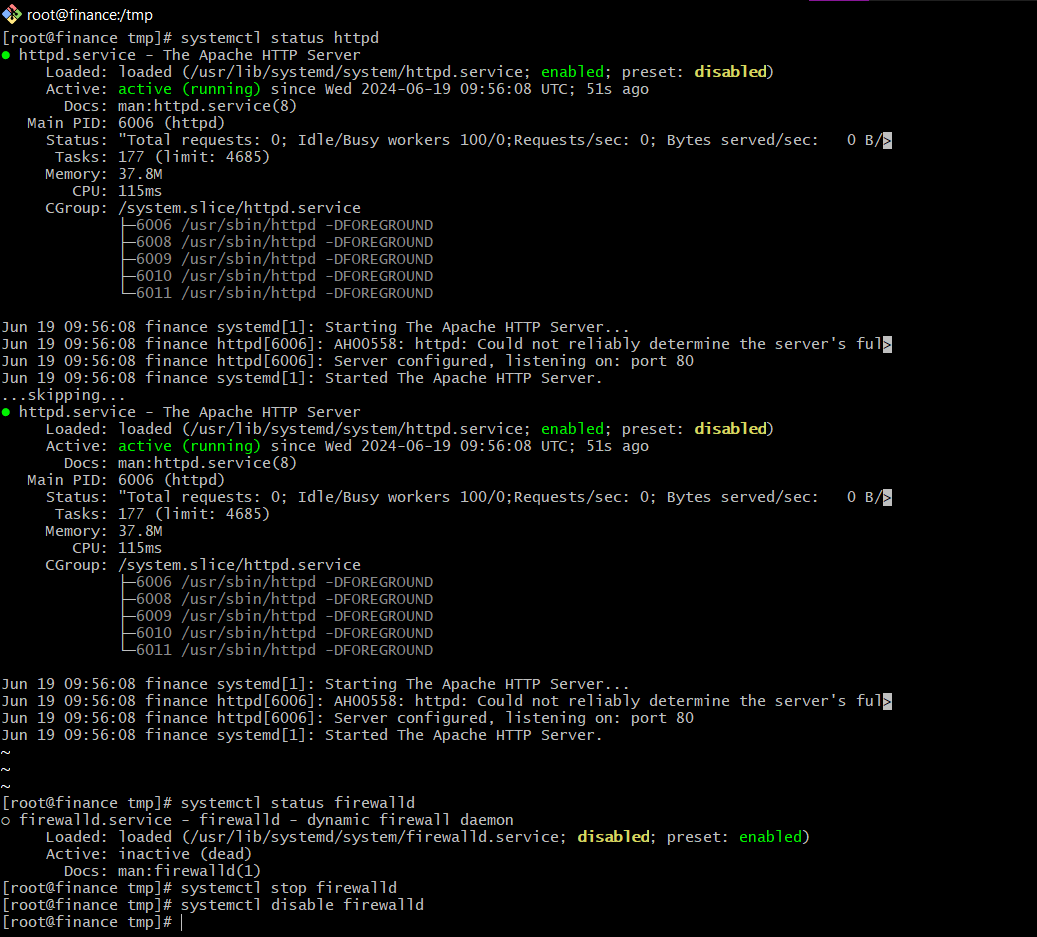
-now download the link and unzip it using wget



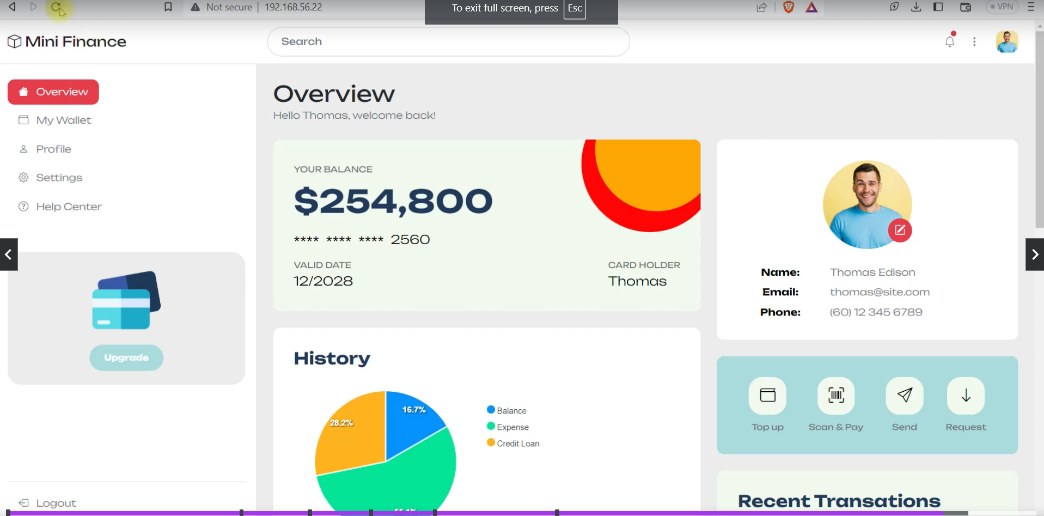
-copying all the files



-check the httpd status and disable the firewall if enabled

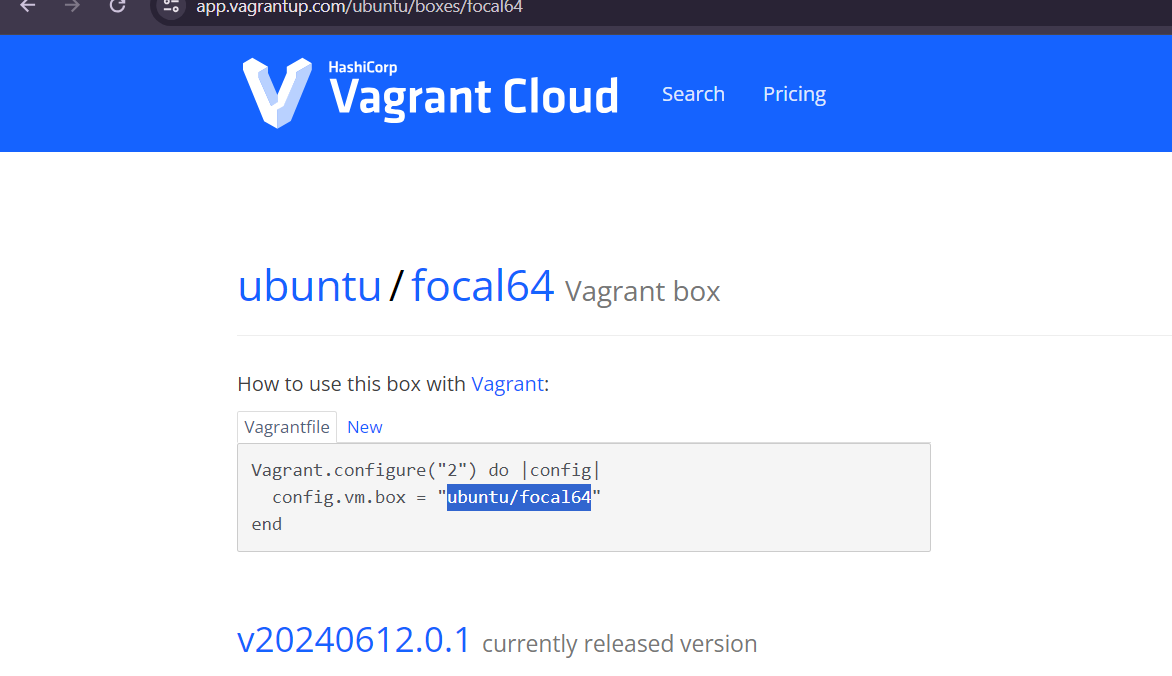


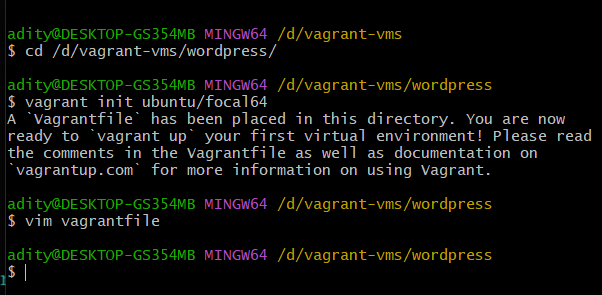
-now u can see your website template



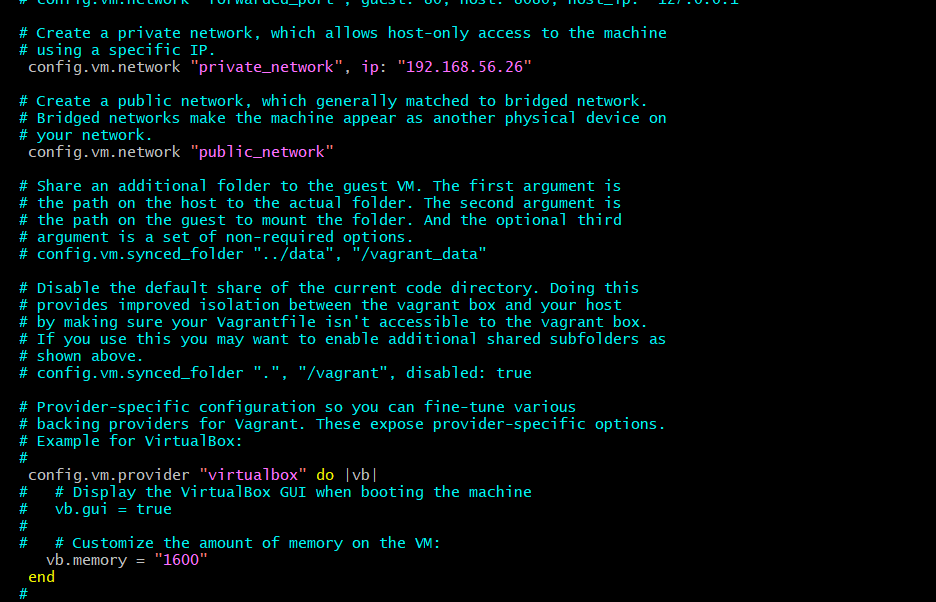
5.wordpress setup

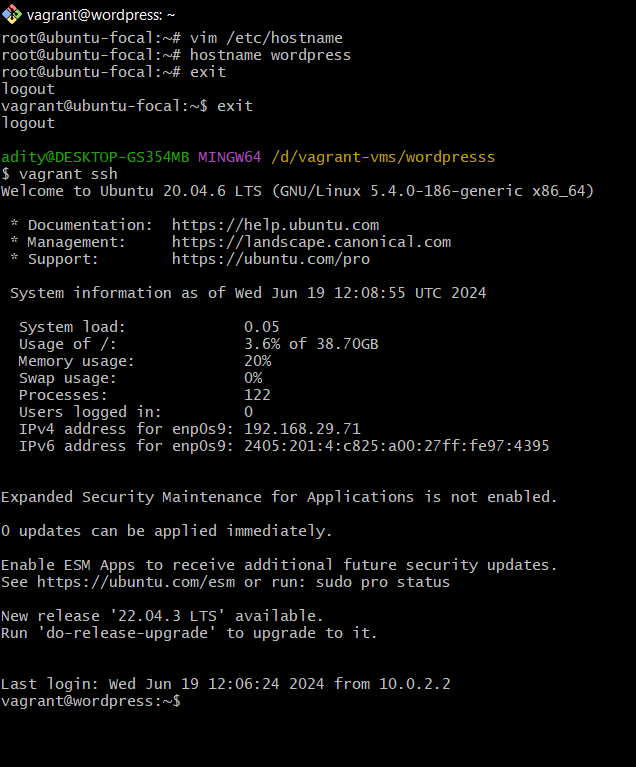
-download ubuntu20



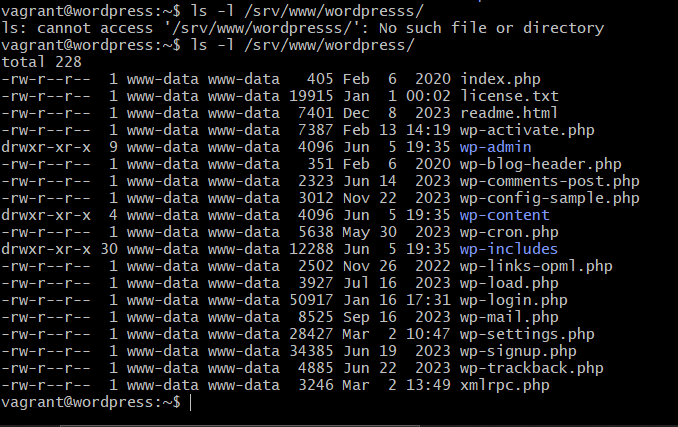


-uncomment and make the following changes in the .vagrantfile

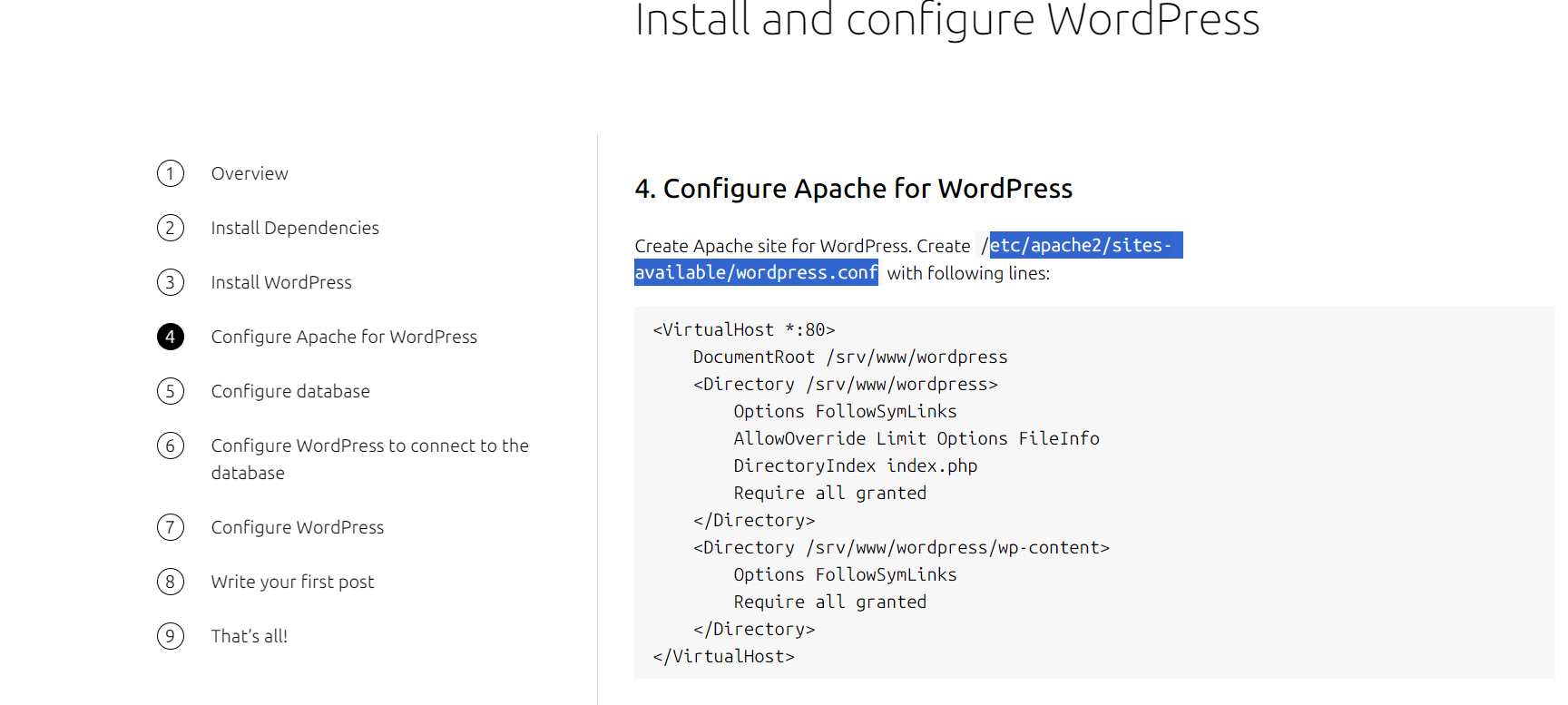


-change the hostname

-execute this after making changes in the vagrant file



We need to configure this file dir



httpsubuntu.comtutorialsinstall-and-configure-wordpress

step2:

sudo apt update

sudo apt install apache2 \

ghostscript \

libapache2-mod-php \

mysql-server \

php \

php-bcmath \

php-curl \

php-imagick \

php-intl \

php-json \

php-mbstring \

php-mysql \

php-xml \

php-zip

step3:

sudo mkdir -p /srv/www:createa a new dir

sudo chown www-data: /srv/www:changing the ownership of that directory

curl https://wordpress.org/latest.tar.gz | sudo -u www-data tar zx -C /srv/www:

downloading this from the link extracting it and putting it to this dir

step4:

Create Apache site for WordPress. Create /etc/apache2/sites-available/wordpress.conf

add this into the file

<VirtualHost \*:80>

DocumentRoot /srv/www/wordpress

<Directory /srv/www/wordpress>

Options FollowSymLinks

AllowOverride Limit Options FileInfo

DirectoryIndex index.php

Require all granted

</Directory>

<Directory /srv/www/wordpress/wp-content>

Options FollowSymLinks

Require all granted

</Directory>

</VirtualHost>

---Enable the site with:

sudo a2ensite wordpress

----Enable URL rewriting with:

sudo a2enmod rewrite

----Disable the default “It Works” site with:

sudo a2dissite 000-default

step5

$ sudo mysql -u root

mysql> CREATE DATABASE wordpress;

Query OK, 1 row affected (0,00 sec)

mysql> CREATE USER wordpress@localhost IDENTIFIED BY 'admin123';

Query OK, 1 row affected (0,00 sec)

mysql> GRANT SELECT,INSERT,UPDATE,DELETE,CREATE,DROP,ALTER

-> ON wordpress.\*

-> TO wordpress@localhost;

Query OK, 1 row affected (0,00 sec)

mysql> FLUSH PRIVILEGES;

Query OK, 1 row affected (0,00 sec)

mysql> quit

Bye

step6:

sudo -u www-data cp /srv/www/wordpress/wp-config-sample.php /srv/www/wordpress/wp-config.php

sudo -u www-data sed -i 's/database\_name\_here/wordpress/' /srv/www/wordpress/wp-config.php

sudo -u www-data sed -i 's/username\_here/wordpress/' /srv/www/wordpress/wp-config.php

sudo -u www-data sed -i 's/password\_here/admin123/' /srv/www/wordpress/wp-config.php

sudo -u www-data vi /srv/www/wordpress/wp-config.php

find the entries stated in the website deletete and add these

define('AUTH\_KEY', 'baxH%h;jAF 8sZ-0XP+Zdc\*5|LFs h|dHfh8-Rkbg%iZ|<U1K6Gyft04S1J!u7qA');

define('SECURE\_AUTH\_KEY', 'W%gy=@4(G:9OJp|cYhPk)+2pIzT=paMY.x]=xj5b,K(QDu&]f.(%Gl?Gw9i+\_V61');

define('LOGGED\_IN\_KEY', ')f\_\*E?GGS33=(\*)mAi)RY.Hl^8yUZWn#$u|G: [>tW6.sA6A1lwSd7n9vu=~!!&]');

define('NONCE\_KEY', 'Gigjt+9+;y6Ow||Ex,=\_~0[;a~U%[ir)LNX/;=z\_mzIX!]L|3%Ulc)o&k~ZS J~W');

define('AUTH\_SALT', 'jot\*i\*6=Oow$Z mc)Ebp[+G1|\*D@:Z&-?:\*!EcJkt;oc 1/wTh1vJve<<j, ]i9{');

define('SECURE\_AUTH\_SALT', 'R2MVA)K-~q$~s;p~R$|y^3(LNY16C\*]caMwX%^0Py<bxQT~EO&~<Vq|brdlB}Ds%');

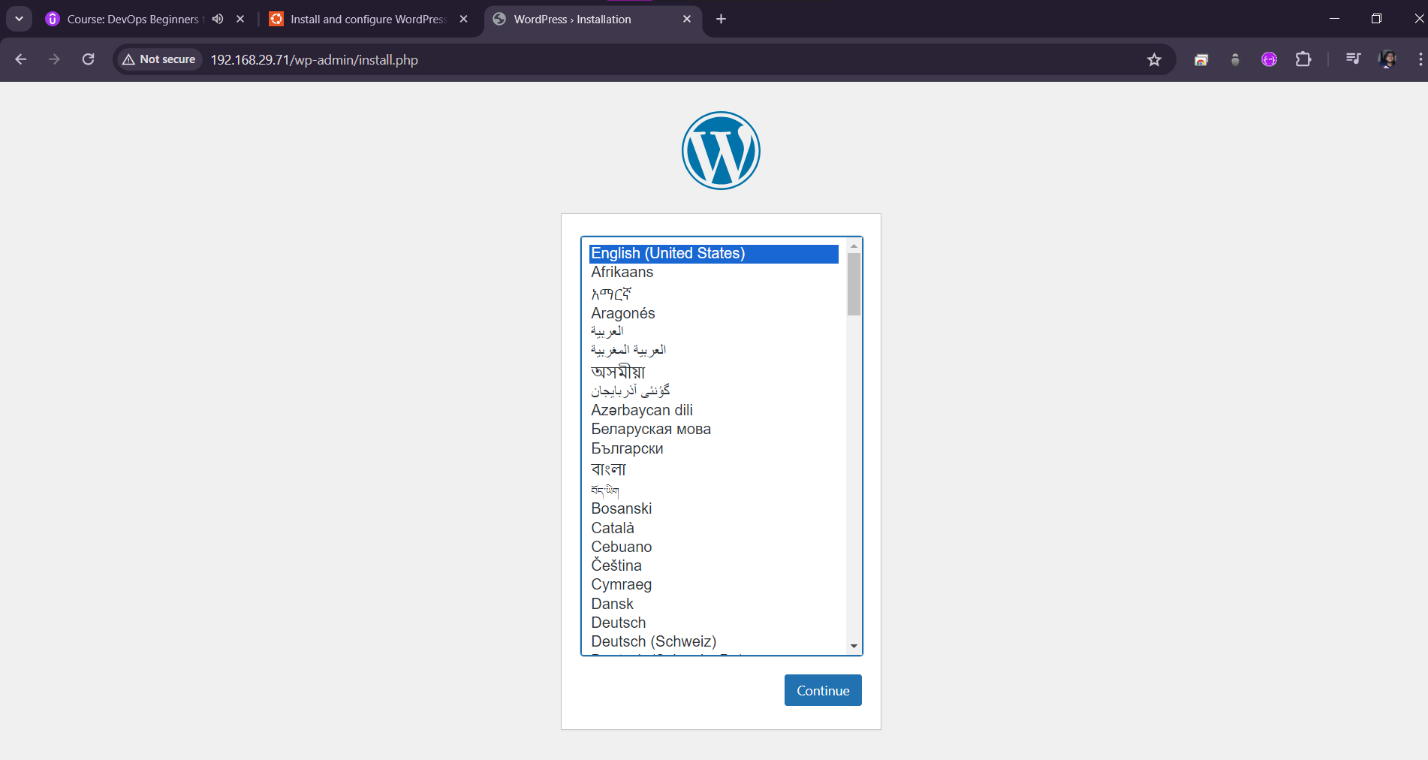
define('LOGGED\_IN\_SALT', 'x|a4:$qr?^yRDS\_;LN+@Q#RM3\_IP|pS|V5Vf<`LZscAu-a)/SjqUQ[dh$`]r#%fI');

define('NONCE\_SALT', 'PK2r-3<0o{L4bGBx(h}JJ?p)Ls+ZBMF$8GlN}8$M%xurH|ykIU~ +~:srrUC~\_hW');

step7:find the ipaddress

ip addr show

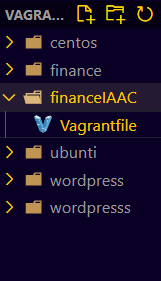
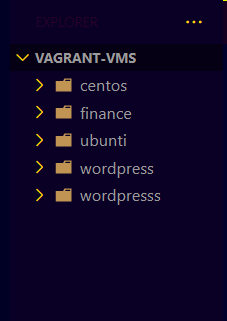
---find rthe ipaddress and paste it on net



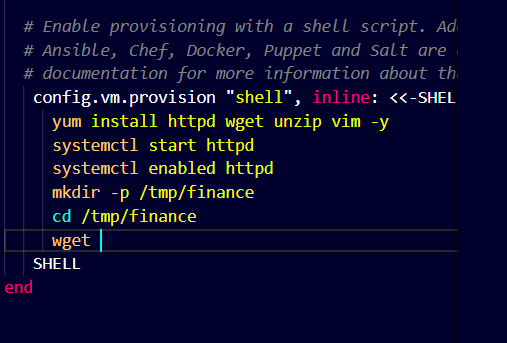
6.automate website setup

1.open vs-code and copt he finance file and rename it to financeIAC

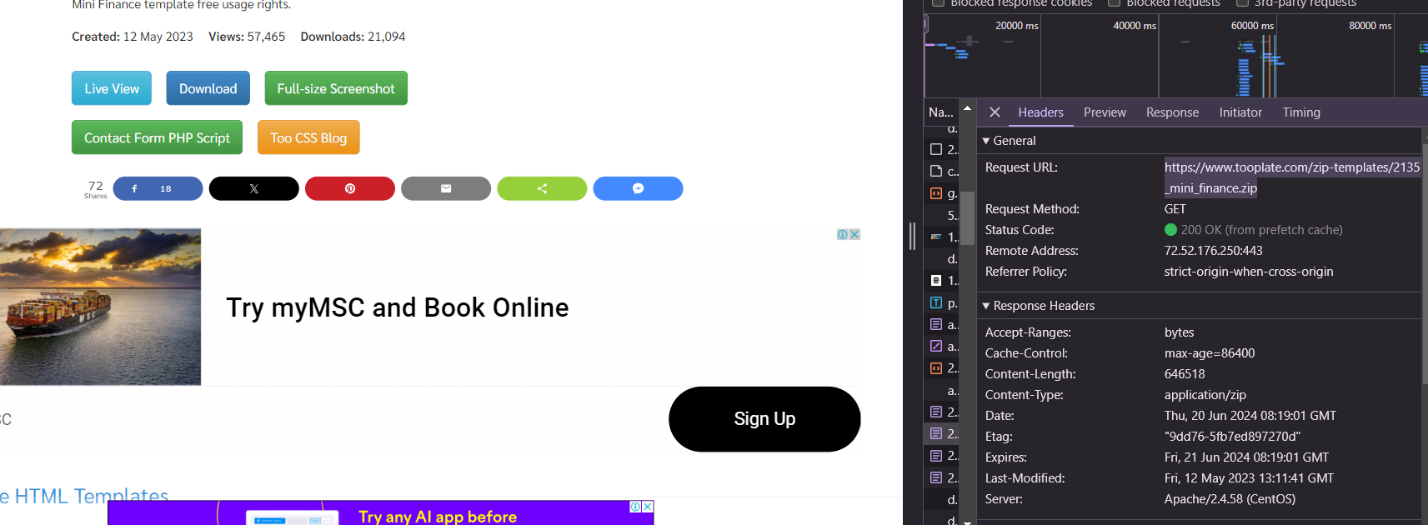
-delete the .vagrantfolder



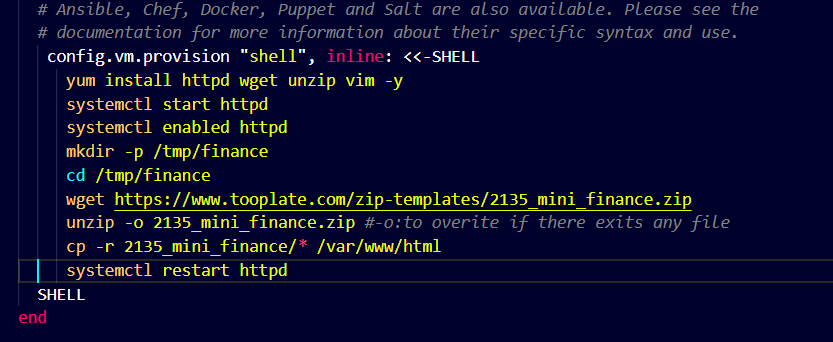
-add cmd thru provisioning in the vagrantfile



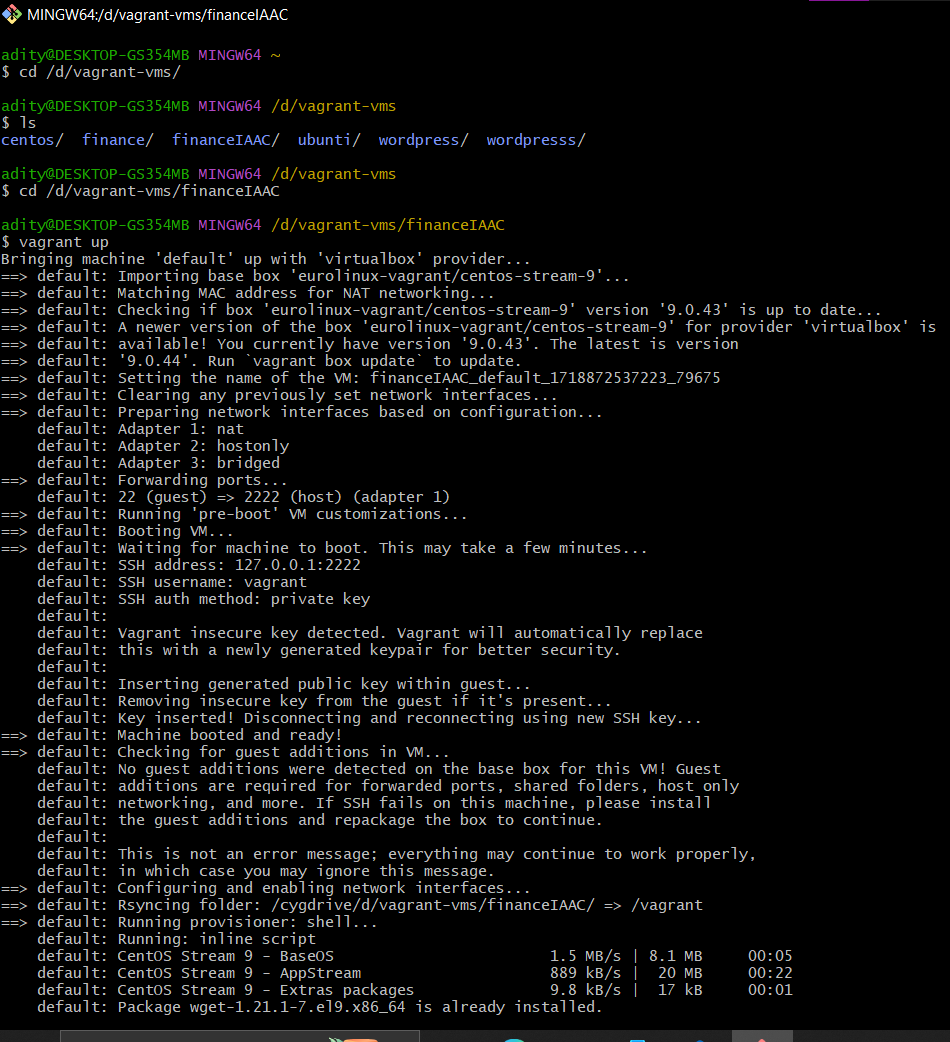
-copy the link



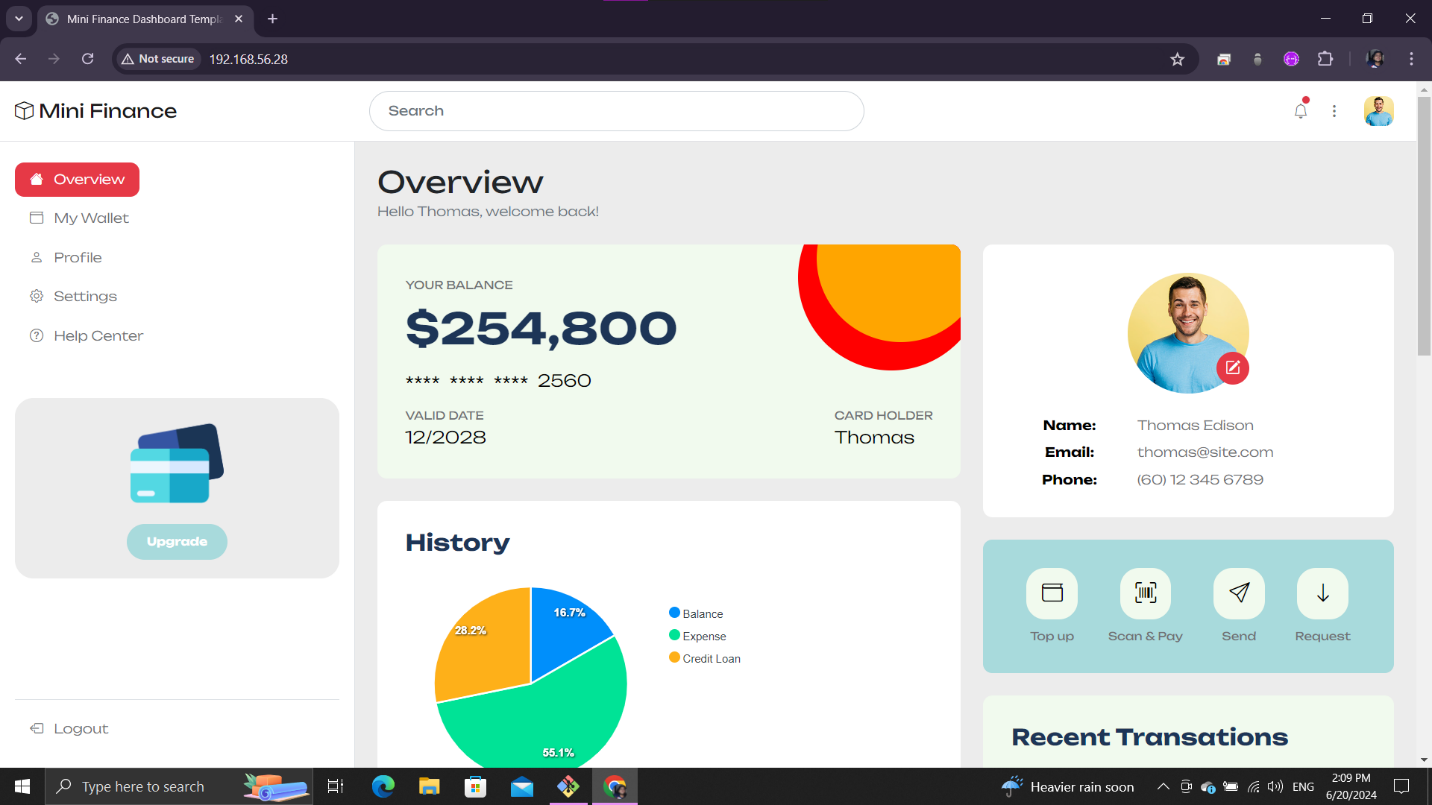
-add these



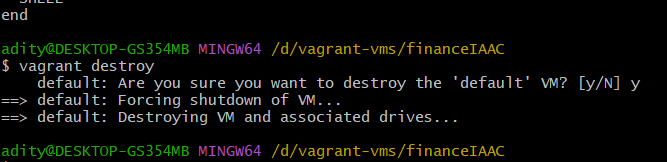
-vagrant up will run all the provisioning cmds



* Can see the website is created

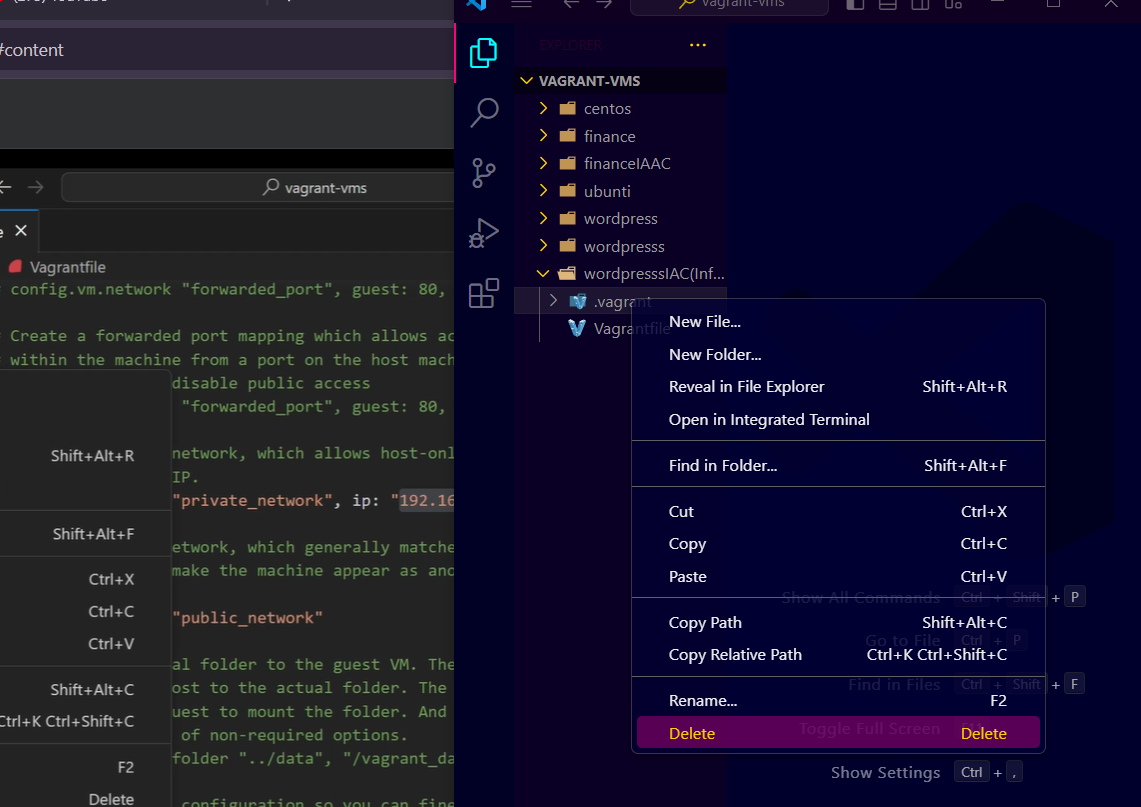


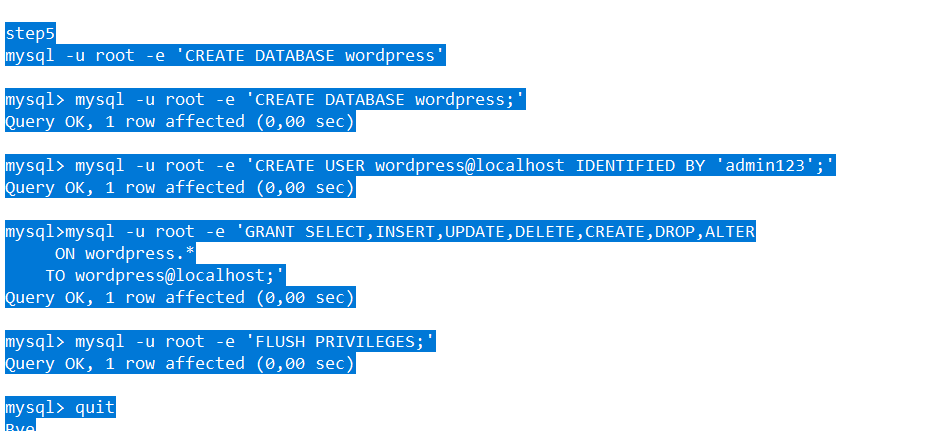
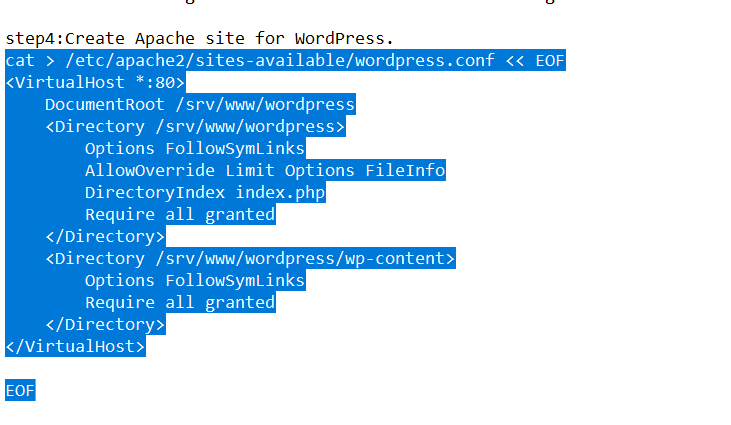
-destry the vagrant at the end

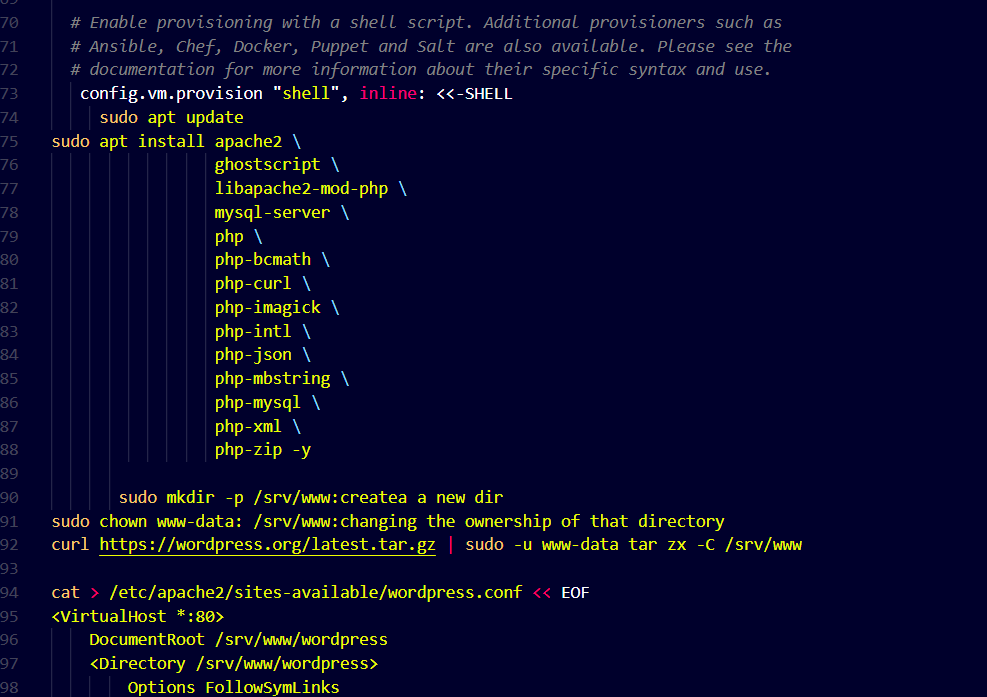


7.automate wordpress setup

-make same changes as above



-make changes to the cmds

Paste and run

-vagrant up

Copy ipaddress

Paste on web and u r done

