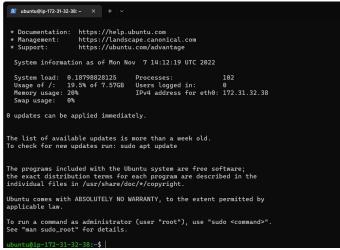
Assignment

Assignment Date:05-11-2022
Submitted by:Govarthan A(govasana07@gmail.com)

Assignment 1:- How to upload HTML web pages on Apache2 web server in EC-2 Instance?

Step1: Initially I created a Linux server using Ubuntu image under EC2 section once the server is up then I connected to that server via SSH

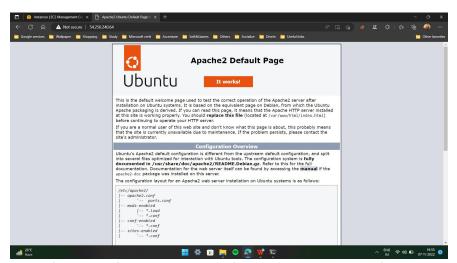


Step2: Once connected I updated the Linux server using sudo apt-get update command

Step3: After updating the machine I installed the apache2 server using sudo apt-get install apache2

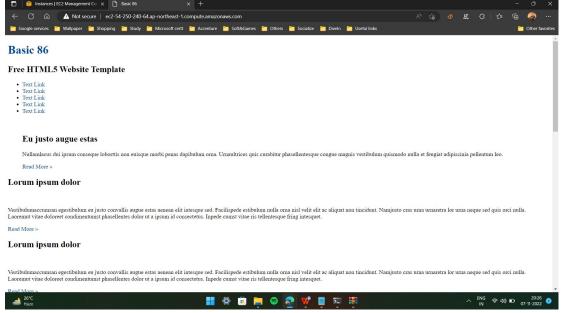
Step4: Now I went to my instance and took the public ip of it and opened it





I got default page of Apache server now I'm going to put new HTML file to load new page for this IP address

Step5: This default page HTML will be located in /var/www/html/index.html so I moved to this path and started editing index.html to load new page



Step6: once edited the page I reloaded the tab to see updated page

Assignment 2 : Create readfile.sh in which you can read the information of PWD like size, permission, date time etc.

So, I created a file called readfile.sh and provided permission to it to execute using chmod +x readfile.sh

And added below lines to get the Present working directory's size, permisson and date&time

```
gova@GovaAnand: ~

GNU nano 4.8

#!/bin/sh

echo "Size of this directory is $(du -sh)"

echo "Permission in this directory is $(ls -l) "

echo "Date and time is $(date)"
```

Output is:

```
gova@GovaAnand:~

gova@GovaAnand:~$ ls

downloads readfile.sh shell.sh shell.sh.save

gova@GovaAnand:~$ nano readfile.sh

gova@GovaAnand:~$ ./readfile.sh

Size of this directory is 84K .

Permission in this directory is total 16

drwxr-xr-x 5 gova gova 4096 Nov 7 11:51 downloads

-rwxr-xr-x 1 gova gova 135 Nov 11 11:47 readfile.sh

-rwxr-xr-x 1 gova gova 88 Nov 6 19:42 shell.sh

-rwxr-xr-x 1 gova gova 80 Nov 6 19:43 shell.sh.save

Date and time is Fri Nov 11 11:48:28 IST 2022

gova@GovaAnand:~$ ______
```

Assignment 3: Take an input of name from user and print Have a great day ahead {name}

Created new sh file called name.sh and added the below commands

```
🥑 gova@GovaAnand: ~
  GNU nano 4.8
                                                             name.sh
#!/bin/sh
echo "What is your name?"
read name
echo "Have a Great day Ahead, $name"
And the output is:
 🥑 gova@GovaAnand: ~
 gova@GovaAnand:~$ touch name.sh
 gova@GovaAnand:~$ chmod +x name.sh
 gova@GovaAnand:~$ nano name.sh
 gova@GovaAnand:~$ nano name.sh
 gova@GovaAnand:~$ ./name.sh
What is your name?
Govarthan Anandhan
Have a Great day Ahead, Govarthan Anandhan
gova@GovaAnand:~$ _
```

Assignment 4: Let's take a scenario of fintech app program in which we want to have three separate

outputs for 3 different situations:

I created the fintech.sh file and added the below condition inside that

And the output is:

```
gova@GovaAnand:~

gova@GovaAnand:~

gova@GovaAnand:~

shame.sh readfile.sh shell.sh shell.sh.save

gova@GovaAnand:~

gova@GovaAnand:~

name.sh readfile.sh shell.sh shell.sh.save

gova@GovaAnand:~

name.sh readfile.sh shell.sh shell.sh.save

gova@GovaAnand:~

name.sh readfile.sh shell.sh shell.sh.sh

Enter the balance number

your@GovaAnand:~

name.sh readfile.sh shell.sh shell.s
```

```
Assignment 5: Debug and define briefly about
the following program :-
#!/bin/bash
# Print a message about disk useage.space free=$( df -h | awk '{ print $5 }' | sort -n | tail -n
1 | sed 's/%//' )
case $space_free in
[1-5]*)
echo Plenty of disk space available
[6-7]*)
echo There could be a problem in the near future
echo Maybe we should look at clearing out old files
echo We could have a serious problem on our hands soon
echo Something is not quite right here
Esac
Since the Above program has some syntax error I resolved those and correct program is
#!/bin/bash
# Print a message about disk useage.
space_free=$( df -h | awk '{ print $5 }' | sort -n | tail -n 1 | sed 's/%//' )
case $space_free in
[1-5]*)
echo "Plenty of disk space available"
[6-7]*)
echo "There could be a problem the near future"
echo "Maybe we should look at clearing out old files"
9*)
echo "We could have a serious problem on our hands soon"
echo "Something is not quite right here"
gova@GovaAnand: ~
GNU nano 4.8
 Print a message about disk useage.
pace_free=$( df -h | awk '{ print $5 }' | sort -n | tail -n 1 | sed 's/%//' )
ase $space_free in
1-5]*)
cho "Plenty of disk space available"
6-7]*) echo "There could be a problem the near future"
 tho "Maybe we should look at clearing out old files"
 ho "We could have a serious problem on our hands soon"
 cho "Something is not quite right here"
```

In this program actually it is checking for the disk free space here it takes last line (tail -n 1) and print fifth field (awk'{print $$5$}$ '

And in each case condition is added based on the condition falls we will get output

