

# Assignment Sheet

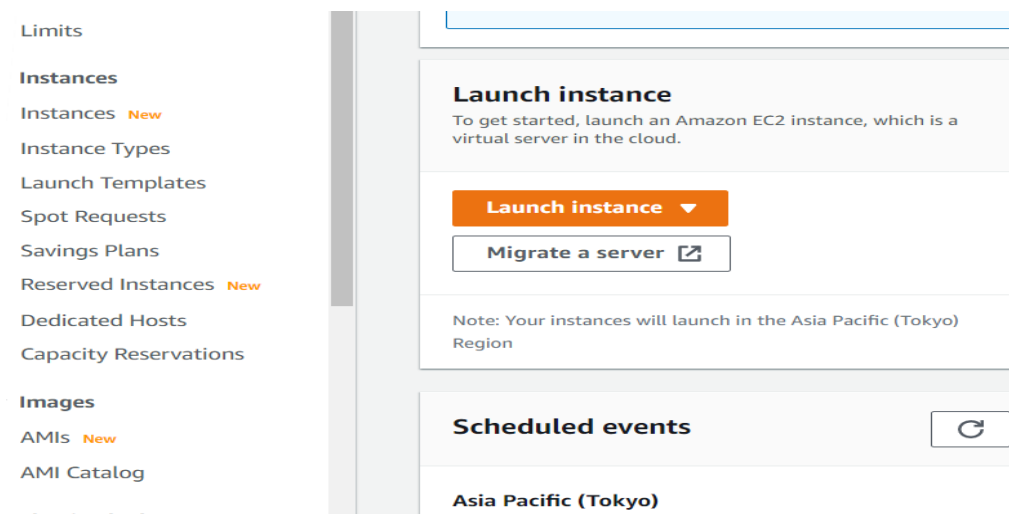
Assignment 1 :- How to upload HTML web pages on Apache2 web server in EC-2 Instance?

Please justify with step by step answers.

## Step 1

Firsty enter the aws console as a root or a admin policy user .and search there for Ec2 services and spin a Ec2 machine

### 1.launch the instance



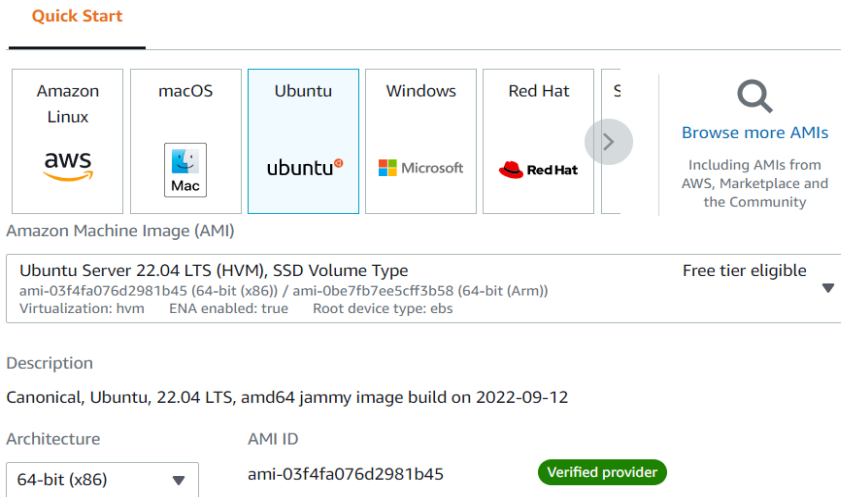
### 2.give a name to the instance

**Name and tags** [Info](#)

Name

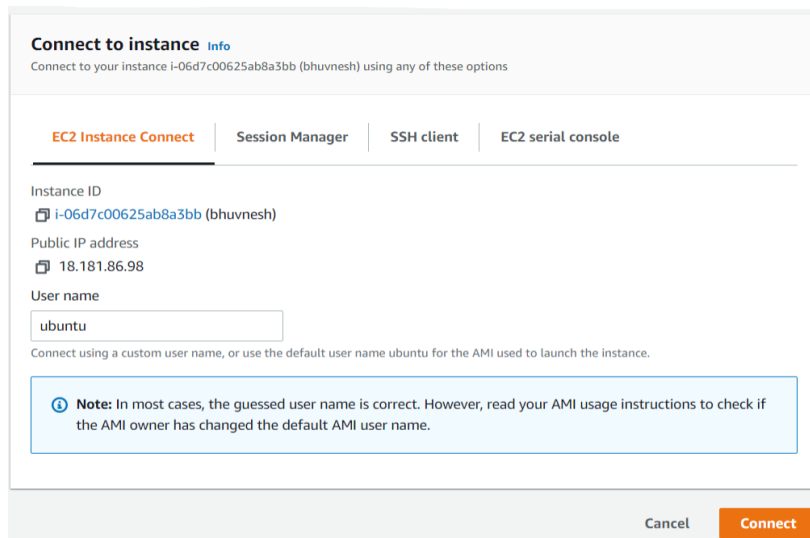
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**3. select the machine you want spin accordingly and select free tier, set a key pair name or create a new one**



**Create security group & allows HTTPS& HTTP traffic from the internet with the default one.and if you want increase storage configure it**

**4.and just spin the machine**



**5.enter the following commands as root**

**1. yum update -y**

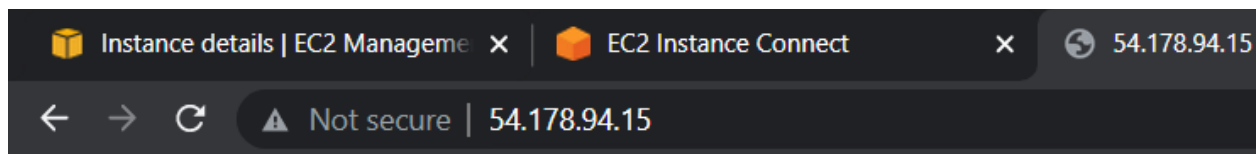
**2.yum install httpd**

3.httpd status

4.systemctl enable httpd

6.now to connect to html server you just need to add the command

lecho "hello bhuvnesh here its my first html file" >  
/var/www/html/index.html



And the page is live

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

permission, date time etc.

enter the given following commands and the file is created with following information

```
[ec2-user@ip-172-31-9-83 ~]$ touch readfile.sh
[ec2-user@ip-172-31-9-83 ~]$ ls
index.html  readfile.sh
[ec2-user@ip-172-31-9-83 ~]$ sudo su
[root@ip-172-31-9-83 ec2-user]# chmod 777 readfile
[root@ip-172-31-9-83 ec2-user]# ls
index.html  readfile.sh
[root@ip-172-31-9-83 ec2-user]# nano readfile.sh
[root@ip-172-31-9-83 ec2-user]# ./readfile.sh

Current working directory: /home/ec2-user

Today's date & time: Tue Nov 15 19:47:43 UTC 2022

[root@ip-172-31-9-83 ec2-user]#
```

```
#!/bin/sh
echo
echo "Current working directory: $(pwd)"
echo
echo "Today's date & time: $(date)"
echo
```

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

```
#!/bin/bash

echo
echo "hello,who am i talking to ?"
read varname
echo "Have a great day ahead $varname"
```

```
[root@ip-172-31-9-83 ec2-user]# ./inputname.sh

hello,who am i talking to ?
bhuvnesh
Have a great day ahead bhuvnesh
[root@ip-172-31-9-83 ec2-user]#
```

Make a file using command touch filename.sh

**Nano filename.sh and first ask for input name and define the varname after that enter the input and you'll get the output as entered into echo.**

Assignment 4 : Let's take a scenario of fintech app program in which we want to have three separate outputs for 3 different situations:

☐The balance is less than zero

☐The balance is zero

☐ The balance is above zero

For instance, in the following program, use the if, elif, else statements to display different outputs in different scenarios:

Use "if" condition to check if the balance is less than zero. If this condition evaluates to true, display

the message using the echo command: “Balance is less than zero, Please add more funds else you will be charged penalty”.

If the above condition does not match, then use “elif” condition to check if the balance is equal to zero. If it evaluates to true, display the message: Balance is zero, please add funds

If none of the above condition matches, use the “else” condition to display the: Your balance is above zero.

**Let consider, we have two variables “a” & “b”. The value of “a” & “b” will provide from the user end.**

```
#!/bin/bash
echo "Enter the value of A : "
read a
echo "Enter the value of B : "
read b
if [ "$a" -lt "$b" ]
then
echo "Balance is less than zero, Please add more funds else you will be charged penalty "
elif [ "$a" == "$b" ]
then
echo "Balance is zero, please add funds"
echo " Your balance is above zero"
else
echo "Invalid input"
fi
```

## outputs

The balance is less than zero

```
[root@ip-172-31-9-83 ec2-user]# ./fintechapp.sh
Enter the value of A :
0
Enter the value of B :
1
Balance is less than zero, Please add more funds else you will be charged penalty
```

The balance is zero

```
[root@ip-172-31-9-83 ec2-user]# ./fintechapp.sh
Enter the value of A :
0
Enter the value of B :
0
Balance is zero, please add funds
```

The balance is above zero

```
[root@ip-172-31-9-83 ec2-user]# ./fintechapp.sh
Enter the value of A :
1
Enter the value of B :
0
Invalid input
```

Assignment 5 : Debug and define briefly about

the following program :-

```
#!/bin/bash
```

```
# Print a message about disk usage.
```

```
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
```

```
8*)
```

```
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**

**;;**

**Esac**

- 1. It does not worked in my case but in stackoverflow I  
searched and got a code which was excucuted**
- 2. Its actually shows amount of space in the disk**