

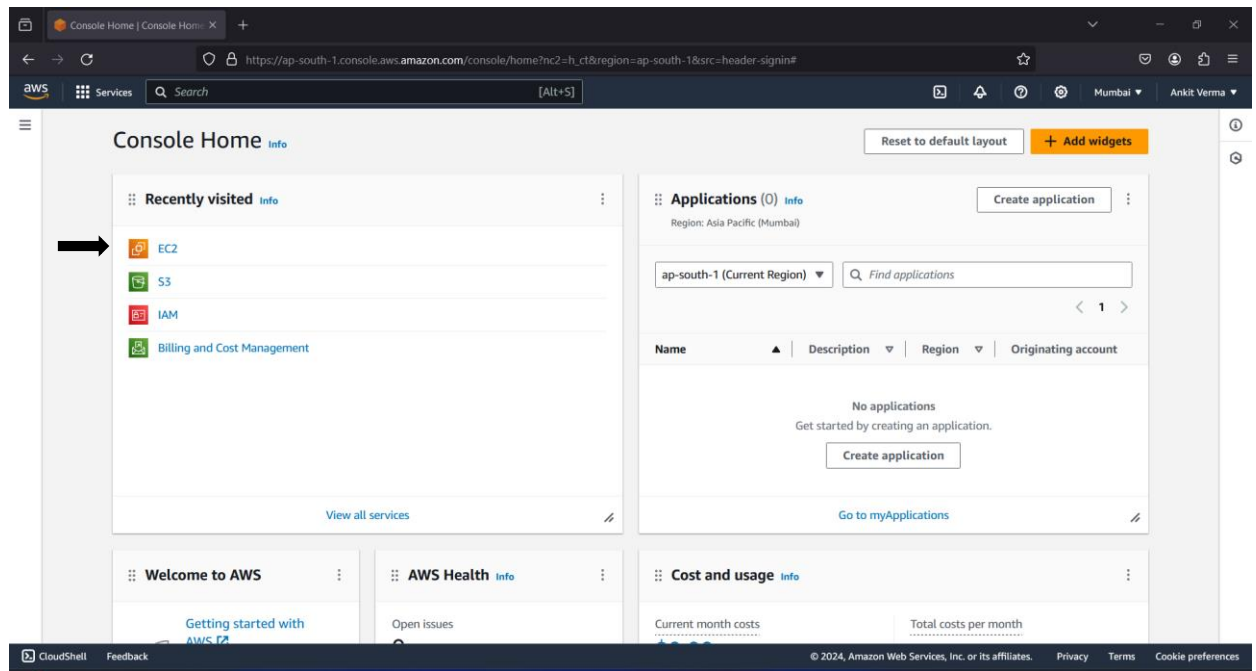
Assignment: 7

Problem Statement: Hosting a website on EC2.

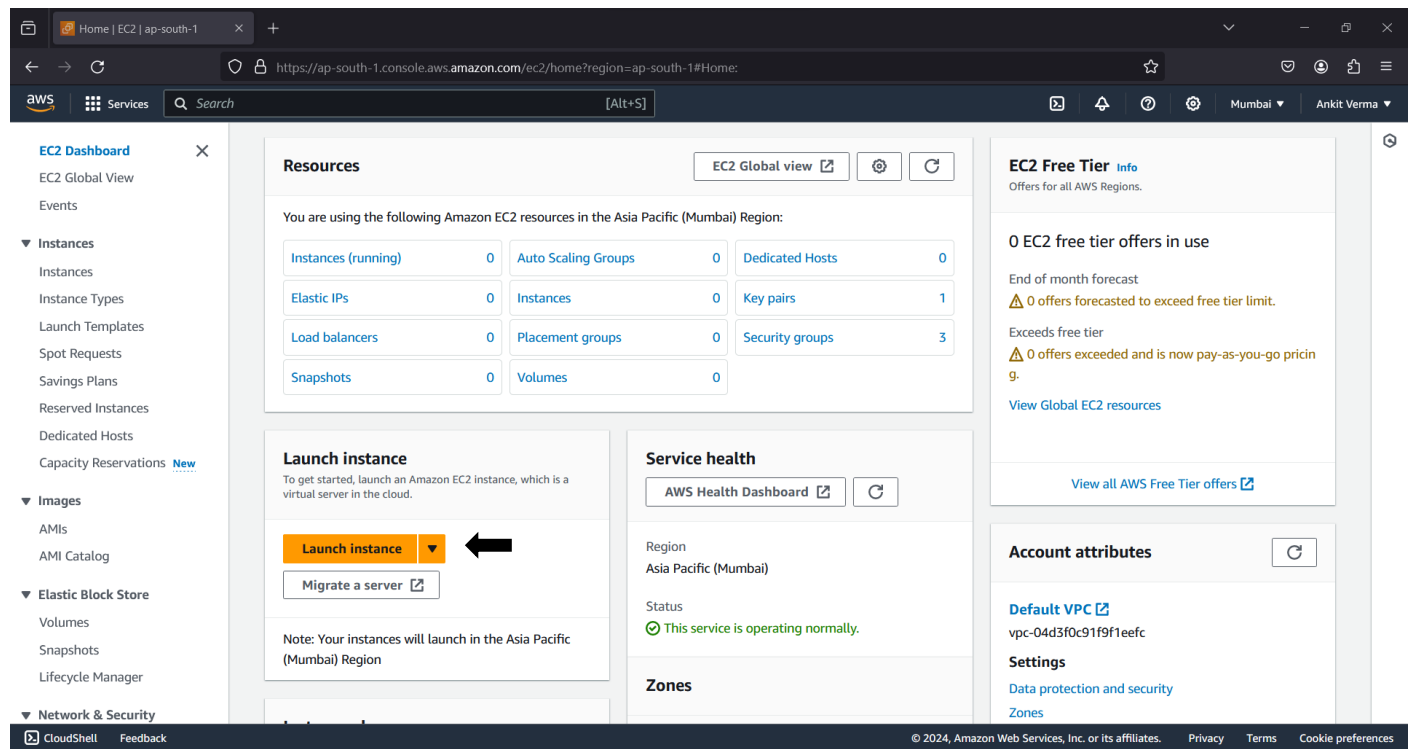
» The steps to host the website:-

Step 1: Create 3 static website using HTML.

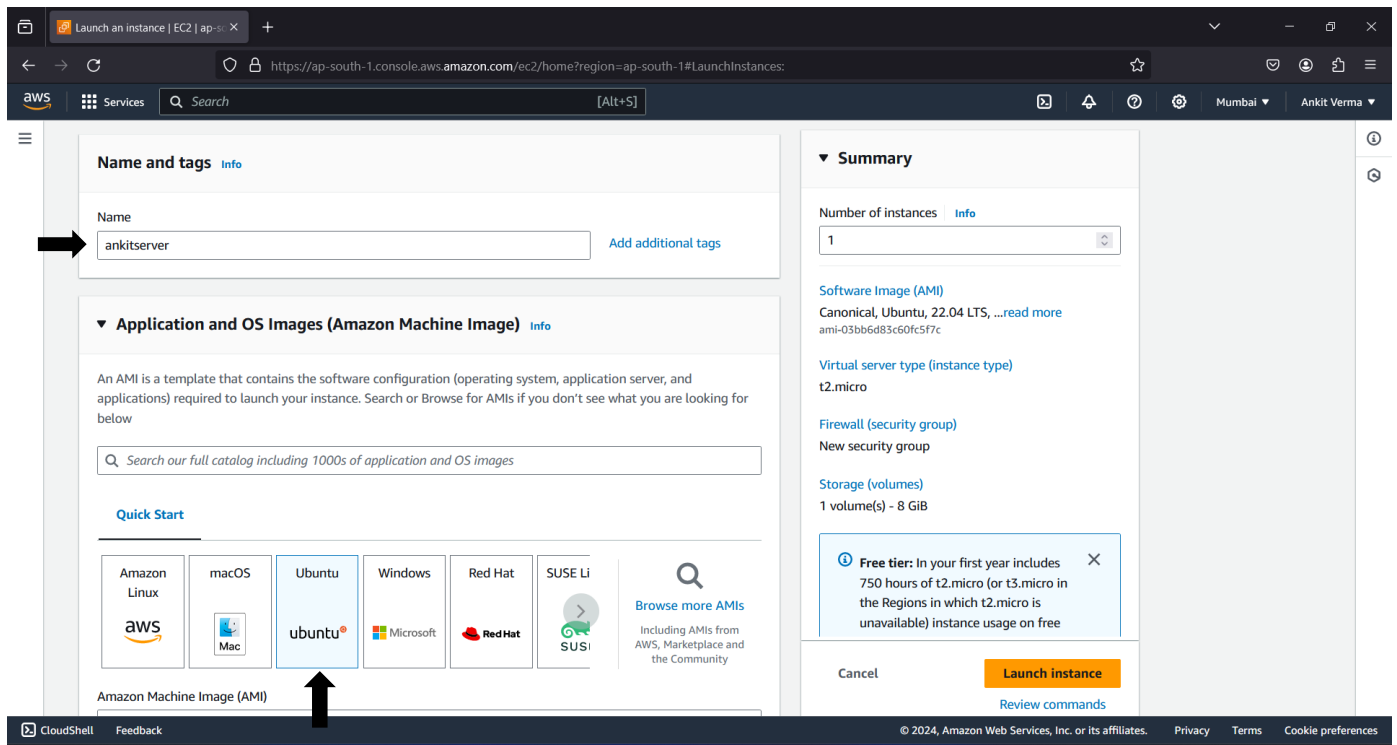
Step 2: Click on the “EC2” button.



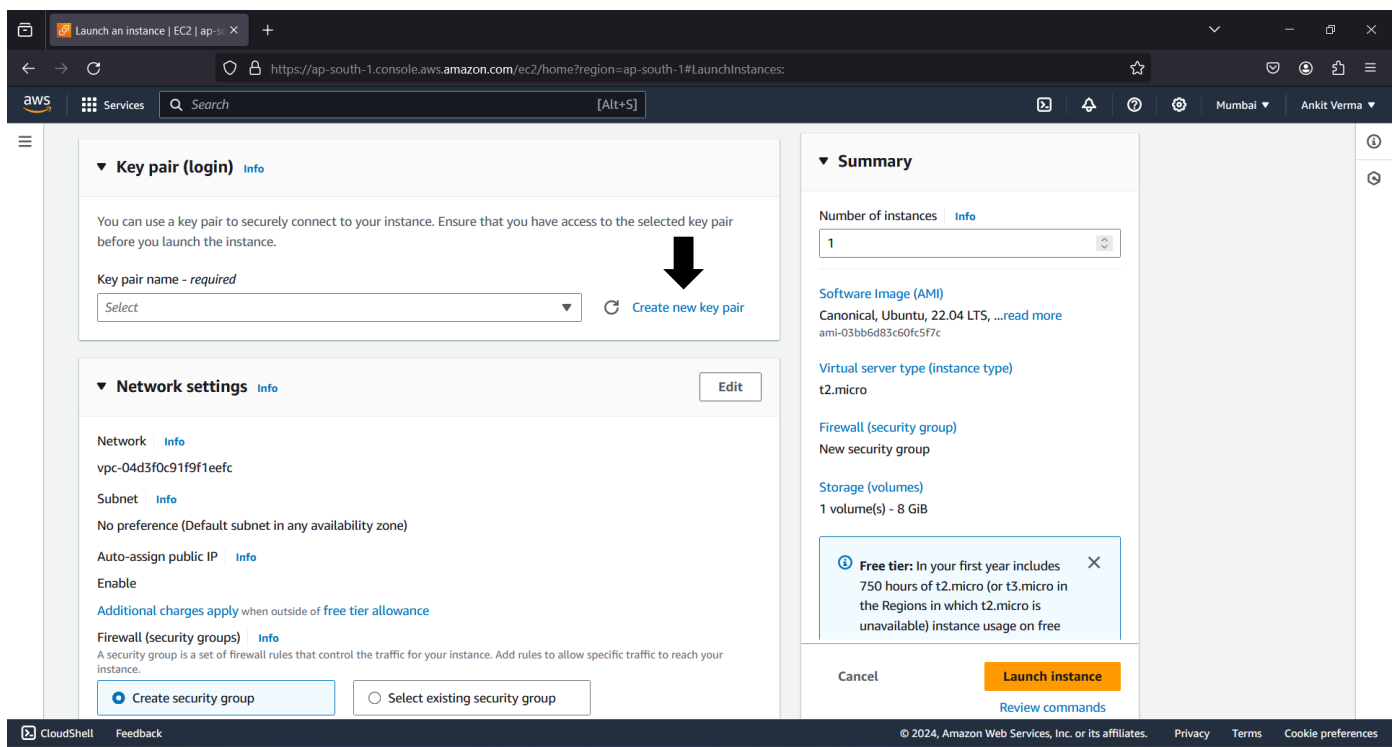
Step 3: Click on “Launch Instance”.



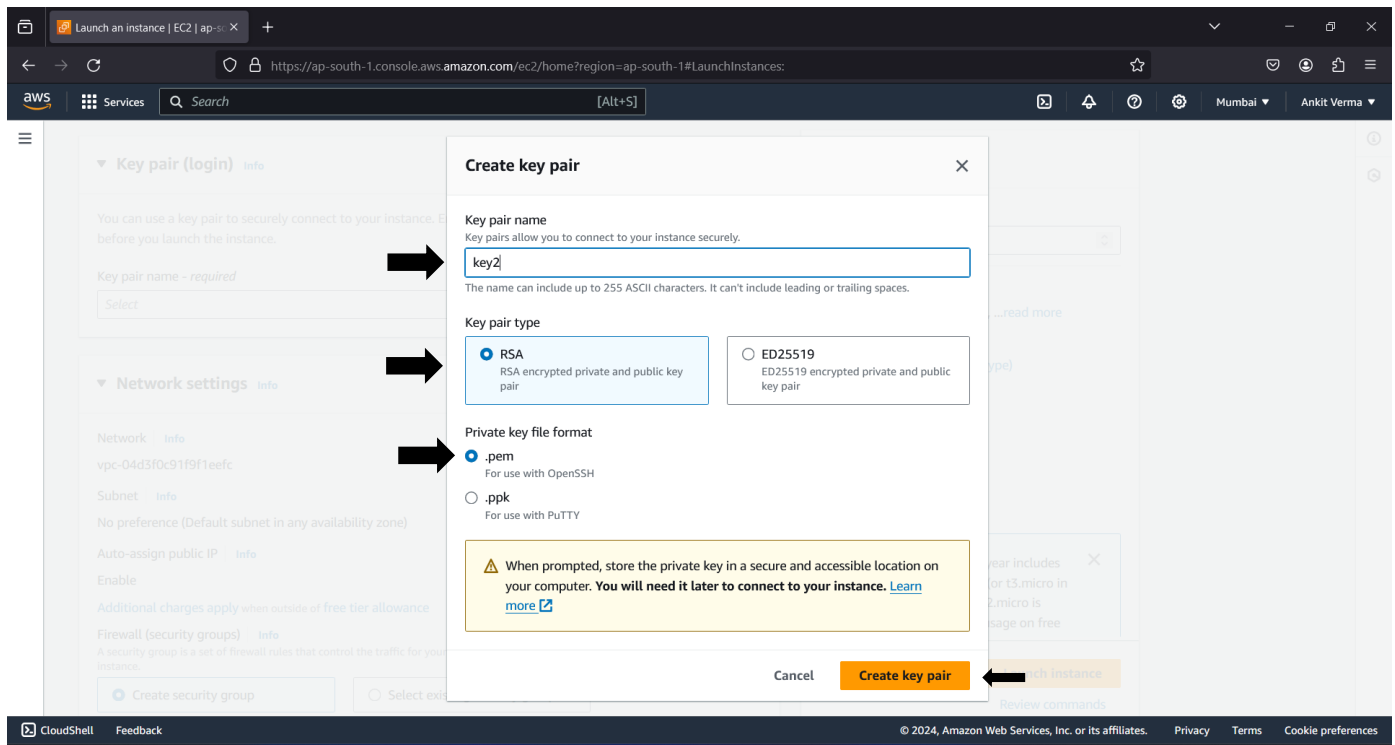
Step 4: Provide unique instance name & select “Ubuntu” in the AMI section.



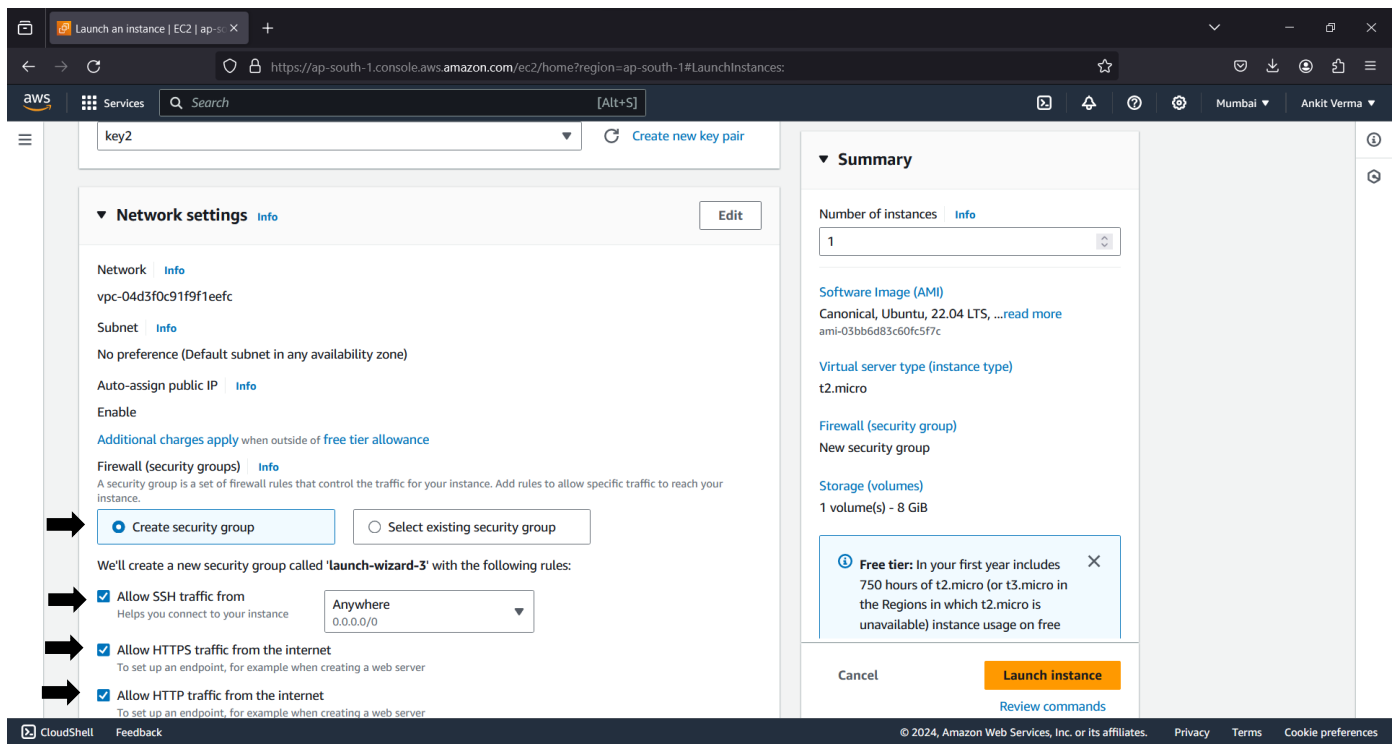
Step 5: Select an existing key, if not exists then create a new one selecting “Create New key pair”.



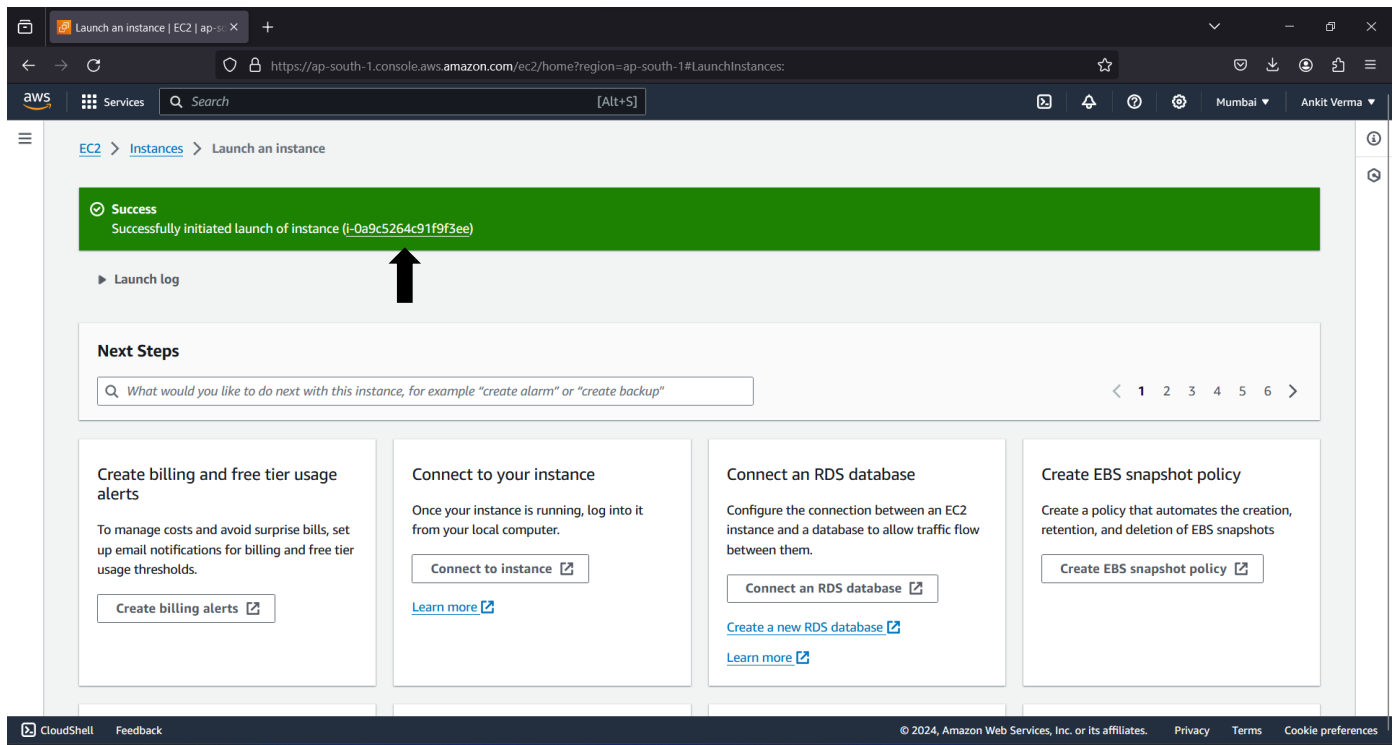
Step 6: Provide a key name then select “RSA” & “.pem” respectively, now “Create key pair”.



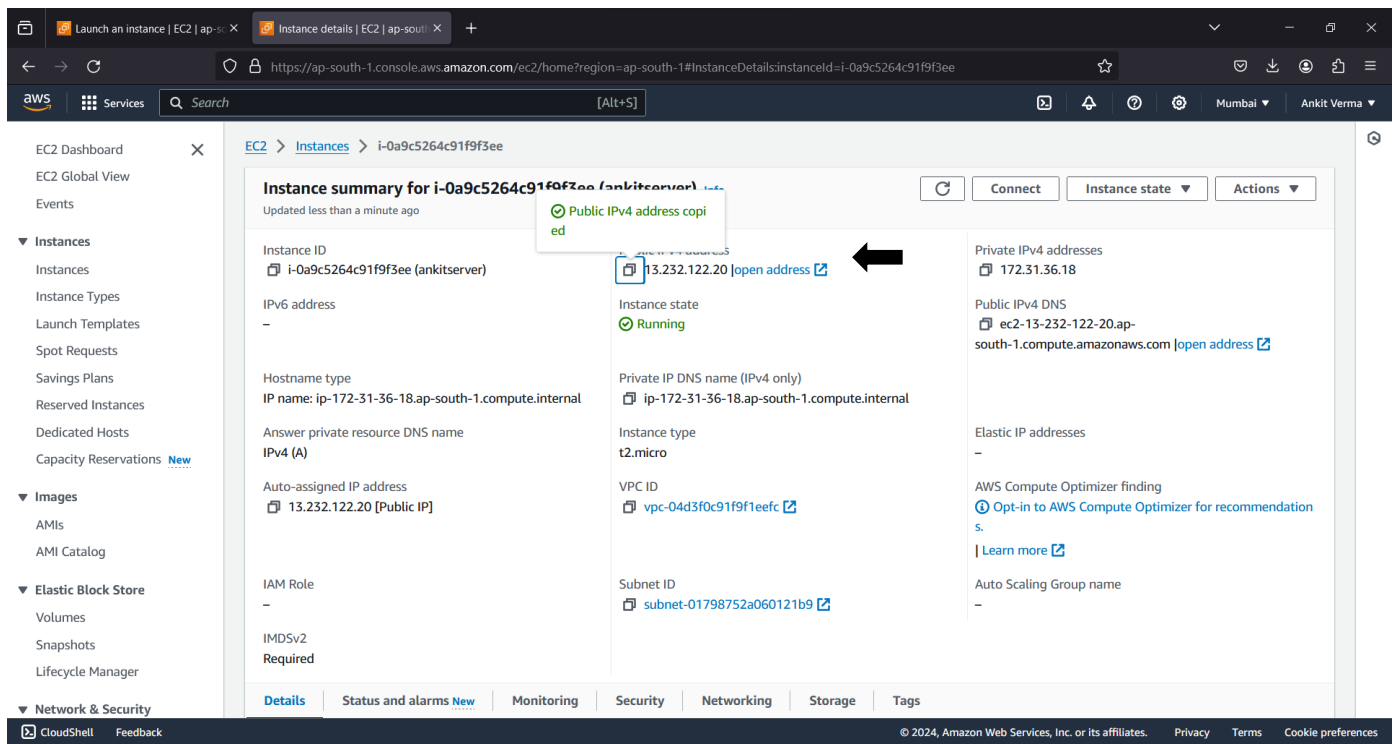
Step 7: Select “Create security group”, now click all the three options then Launch Instance.



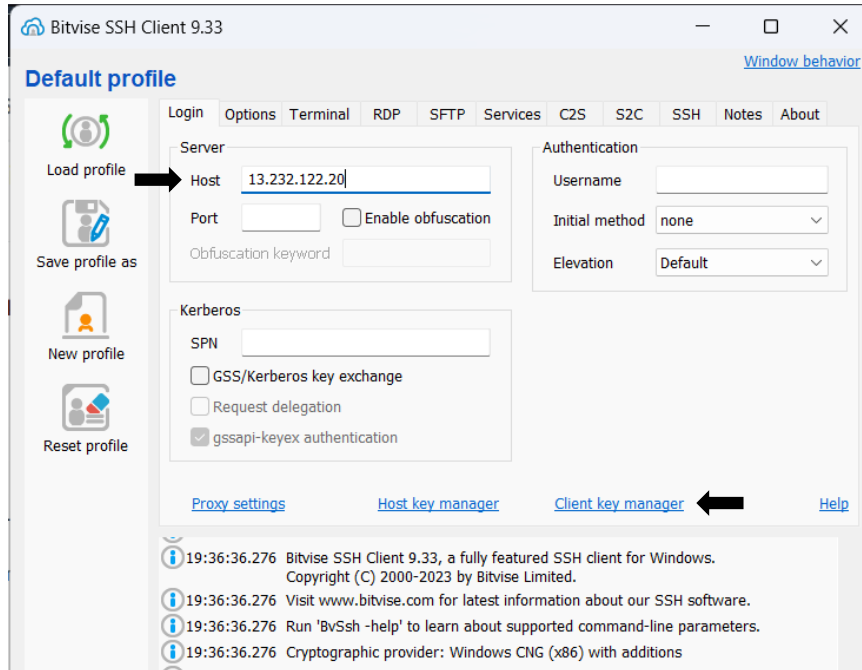
Step 8: New instance is created successfully, to access the instance click on the shown ID.



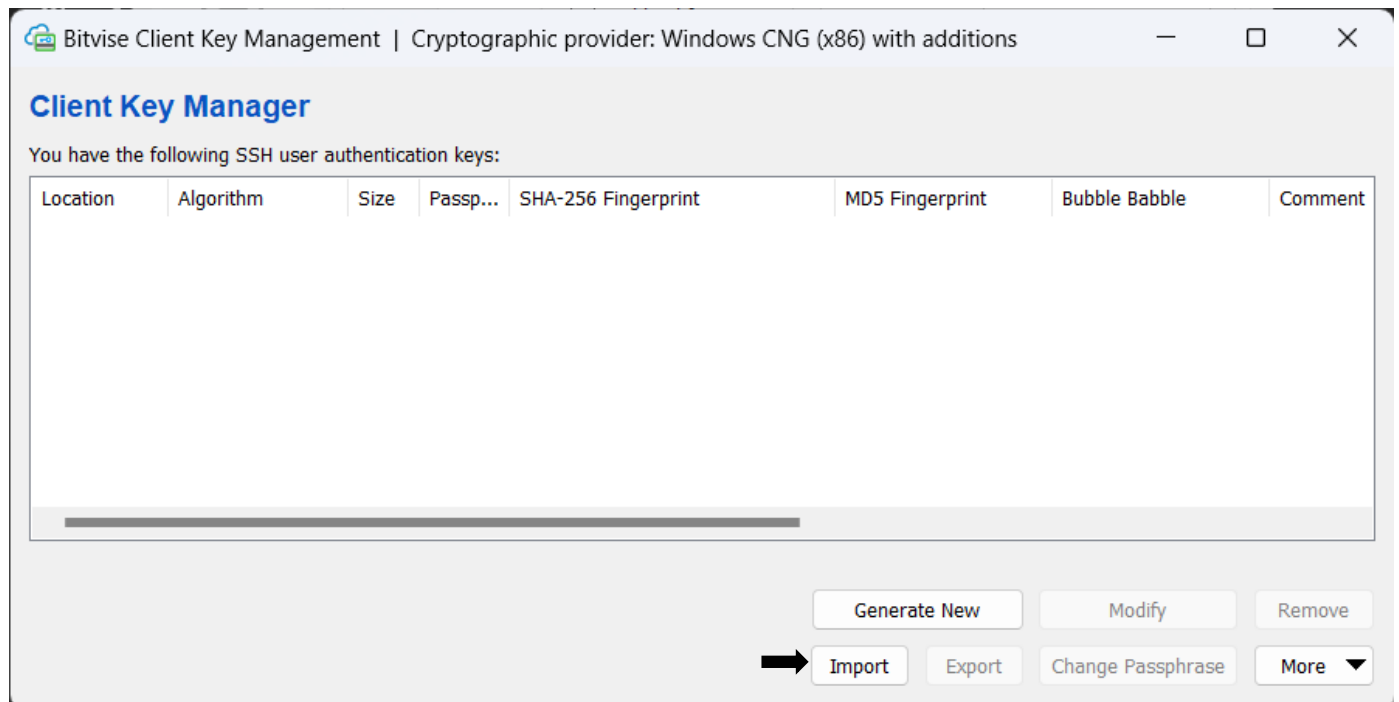
Step 9: Copy "Public IPv4 Address".



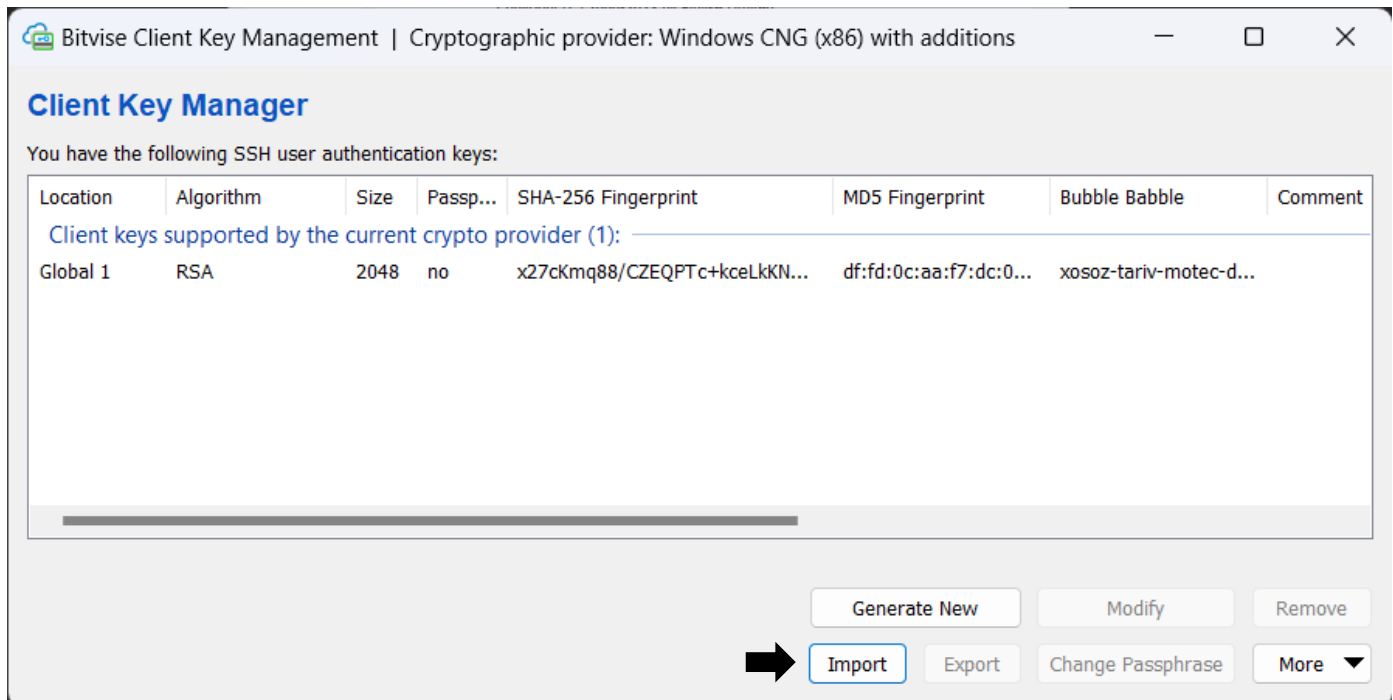
Step 10: In the new application called “Bitvise SSH Client” paste the copied IP in host tab & Visit “Client Key Manager” option.



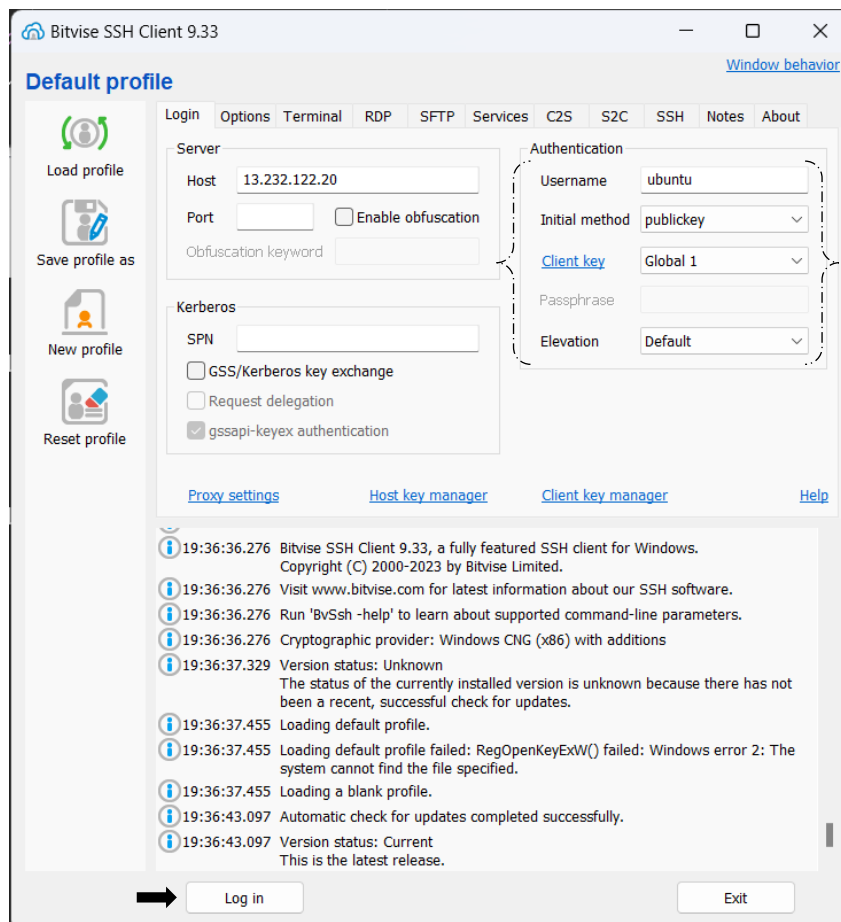
Step 11: Click “Import” & upload the recent key file, now click Import.



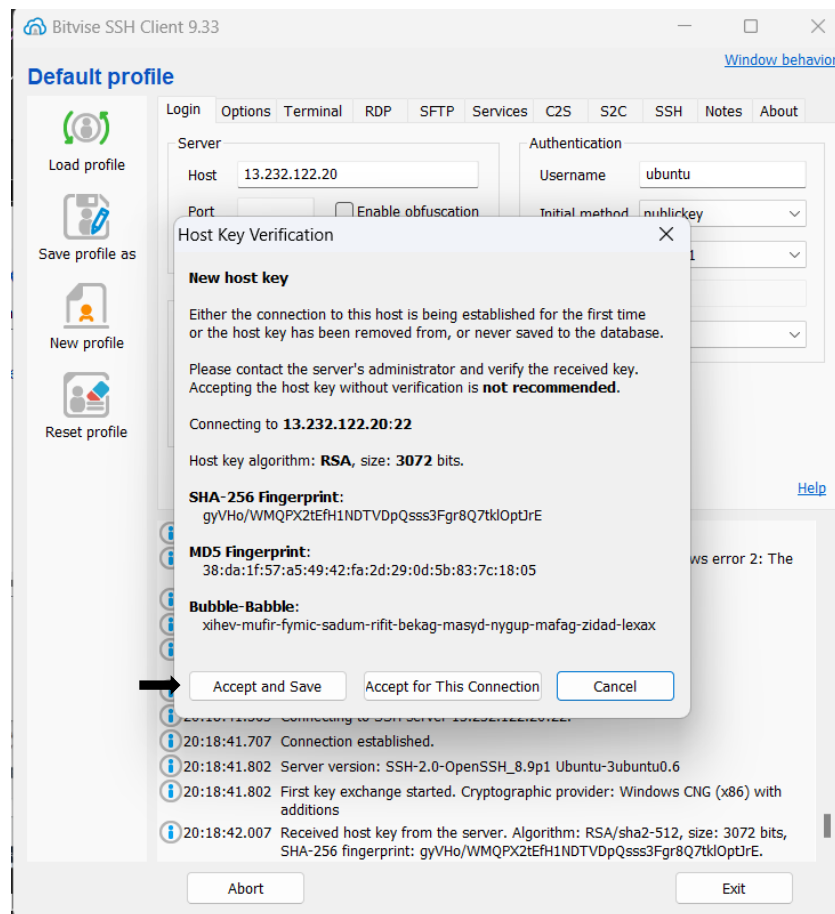
Step 12: Key added successfully, now click 'Import'.



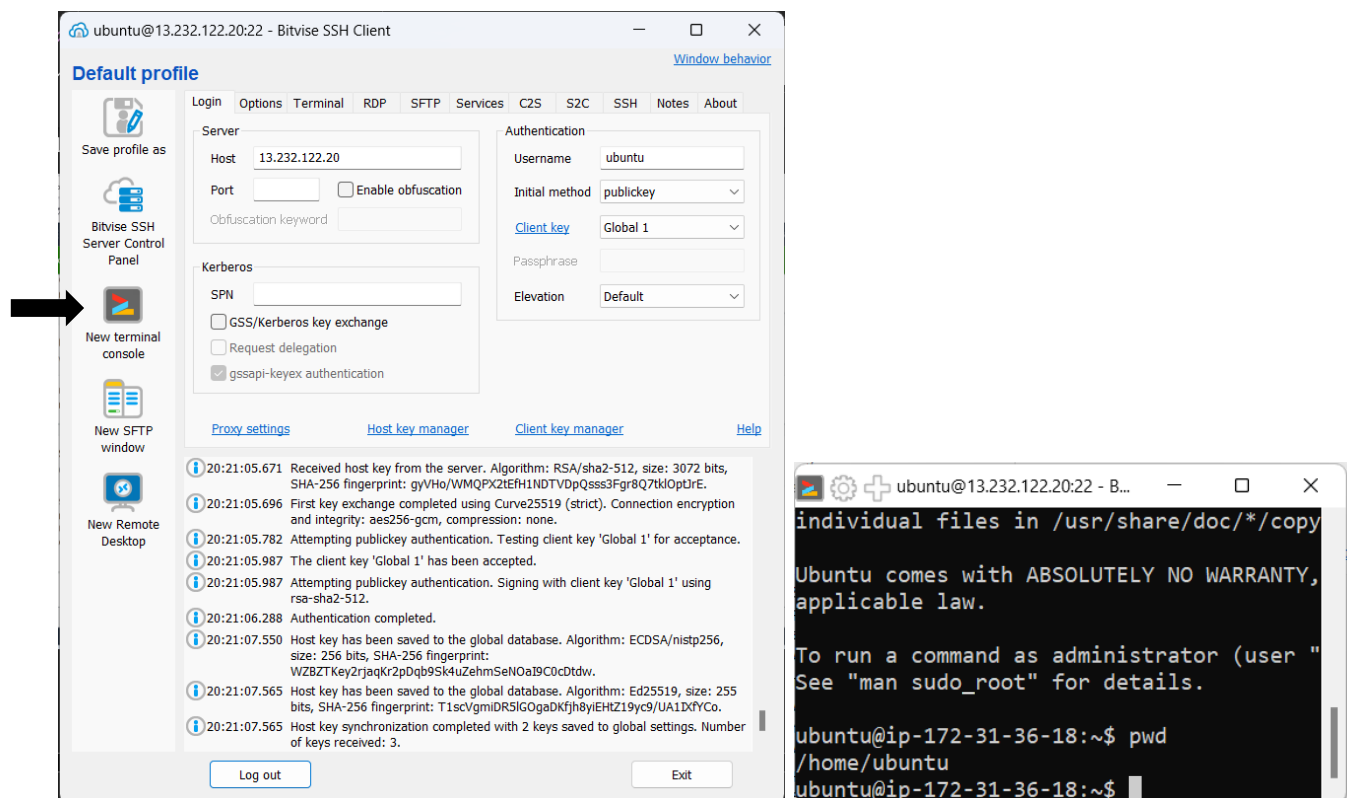
STEP 13 - Give user name as 'ubuntu' & in Initial method select "publickey", in Client Key select "Global1", then 'login'.



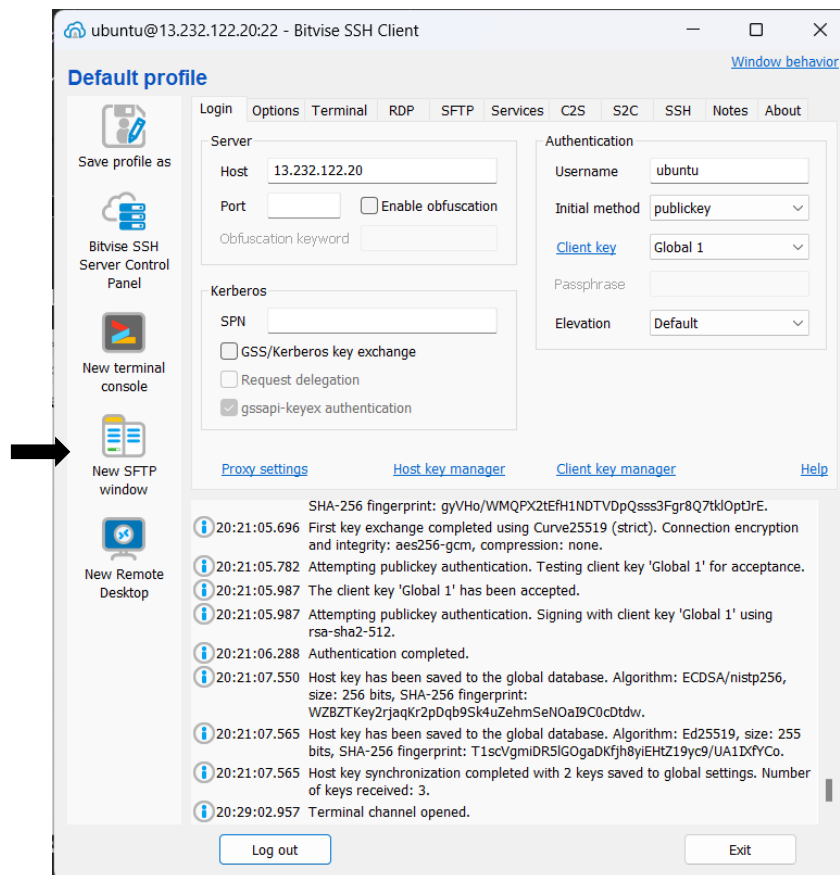
STEP 14- Click "Accept & Save".



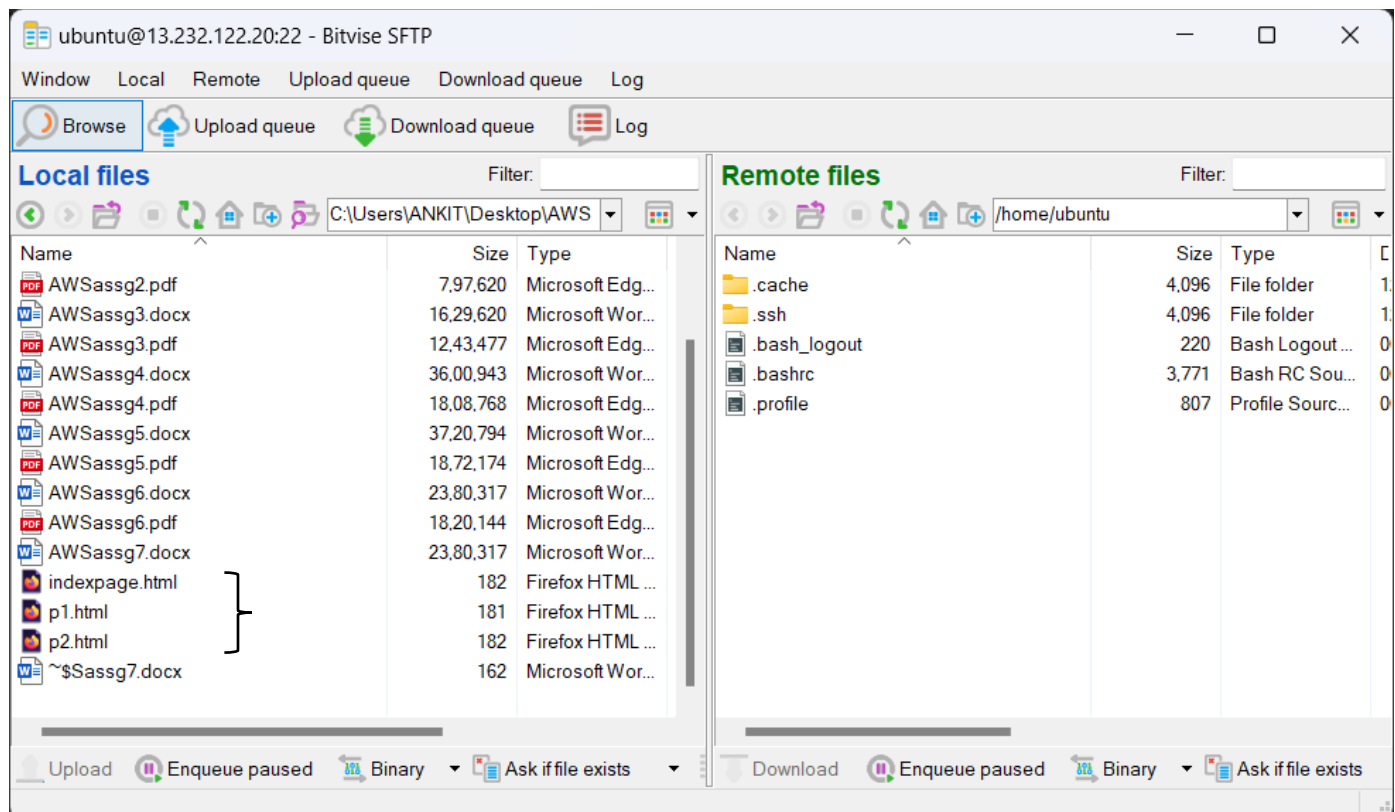
STEP 15- Client successfully connected to server, to ensure go to the 'new terminal console' option and type 'pwd' then it will show the name of the server i.e. "ubuntu".



STEP 16- Click on “New SFTP Window”.



STEP 16- Under local files navigate to the folder where the HTML files are present.



STEP 16- Though we can't upload the files, to do so we need to install "NGINX".

Go back to the terminal and type :

"sudo apt-get update " , "sudo apt-get upgrade " , "sudo apt-get install nginx " for installation.

```
ubuntu@ip-172-31-3-144:~$ sudo apt-get update
```

```
Reading package lists... Done
```

```
ubuntu@ip-172-31-3-144:~$ sudo apt-get upgrade
```

```
ubuntu@ip-172-31-3-144:~$ sudo apt-get install nginx
```

```
Reading package lists... Done
```

```
Building dependency tree... Done
```

```
Reading state information... Done
```

```
The following additional packages will be installed:
```

```
fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3 libjpeg-turbo8  
libjpeg8 libnginx-mod-http-geoip2 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter  
libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 libtiff5 libwebp7 libxpm4  
nginx-common nginx-core
```

```
Suggested packages:
```

```
libgd-tools fcgiwrap nginx-doc ssl-cert
```

```
The following NEW packages will be installed:
```

```
fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3 libjpeg-turbo8  
libjpeg8 libnginx-mod-http-geoip2 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter  
libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 libtiff5 libwebp7 libxpm4 nginx  
nginx-common nginx-core
```

```
0 upgraded, 20 newly installed, 0 to remove and 3 not upgraded.
```

```
Need to get 2693 kB of archives.
```

```
After this operation, 8350 kB of additional disk space will be used.
```

```
Do you want to continue? [Y/n] Y
```

STEP 16- Type "sudo chmod 777 html" then enter.

```
ubuntu@ip-172-31-3-144:/$ cd var
```

```
ubuntu@ip-172-31-3-144:/var$ ls
```

```
backups  cache  crash  lib  local  lock  log  mail  opt  run  snap  spool  tmp  www
```

```
ubuntu@ip-172-31-3-144:/var$ cd www
```

```
ubuntu@ip-172-31-3-144:/var/www$ ls
```

```
html
```

```
ubuntu@ip-172-31-3-144:/var/www$ cd html
```

```
ubuntu@ip-172-31-3-144:/var/www/html$ ls
```

```
index.nginx-debian.html
```

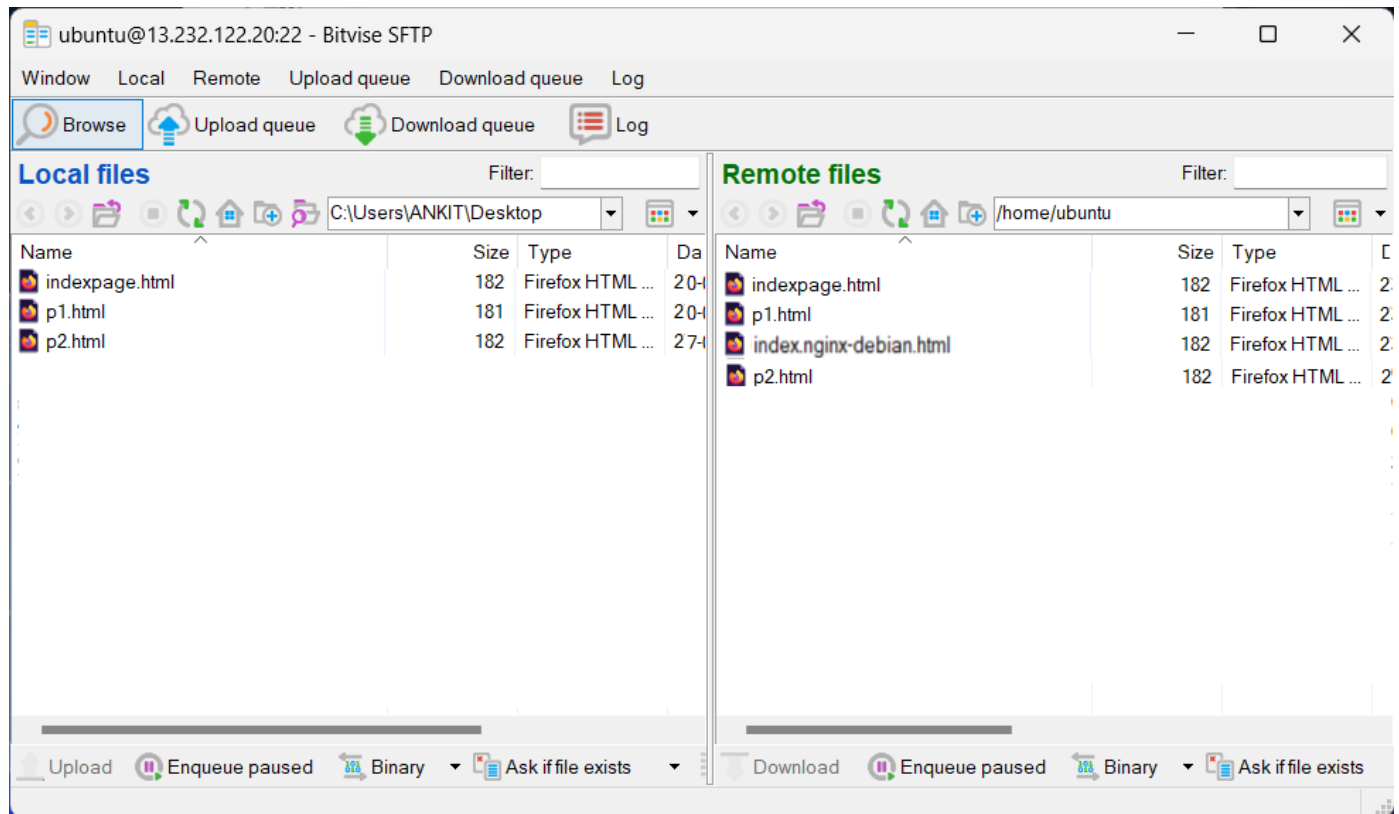
```
ubuntu@ip-172-31-3-144:/var/www/html$ cd..
```

```
cd..: command not found
```

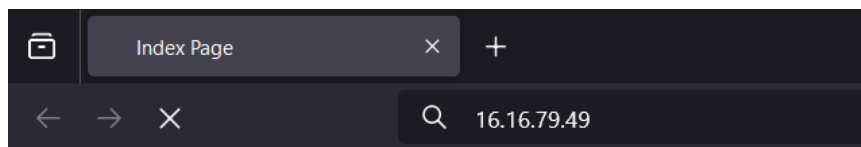
```
ubuntu@ip-172-31-3-144:/var/www/html$ cd ..
```

```
ubuntu@ip-172-31-3-144:/var/www$ sudo chmod 777 html
```

STEP 17- Now going back to the “SFTP Window” under the “Remote Files” open the HTML directory and drag & drop the HTML files.



STEP 17- A new window will open with the webpage.



Services

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