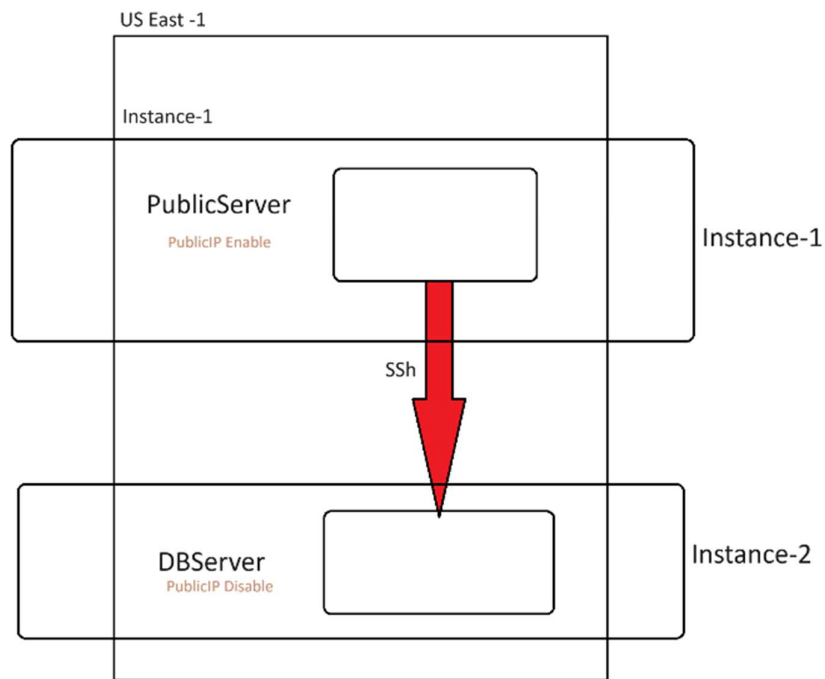
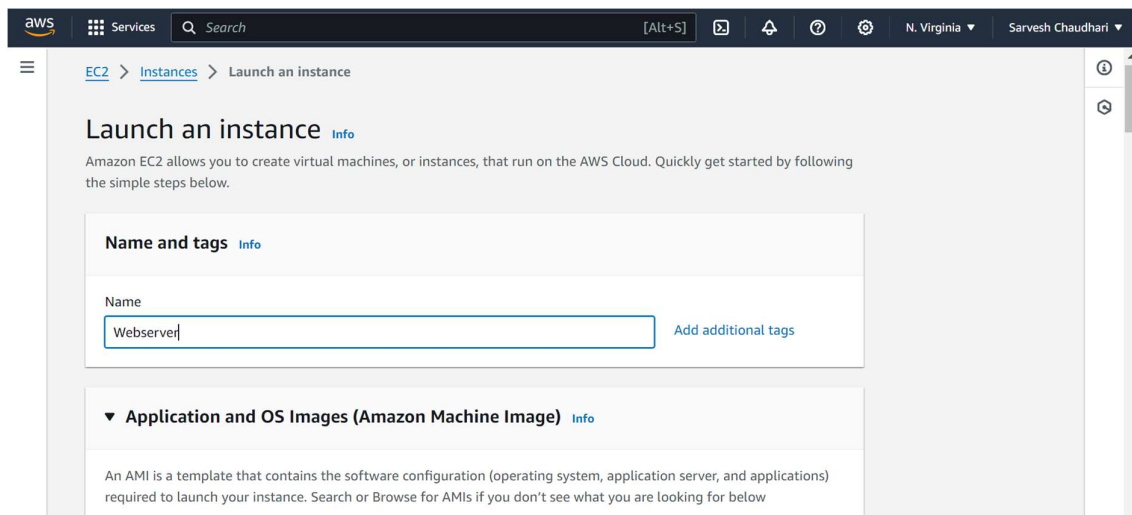


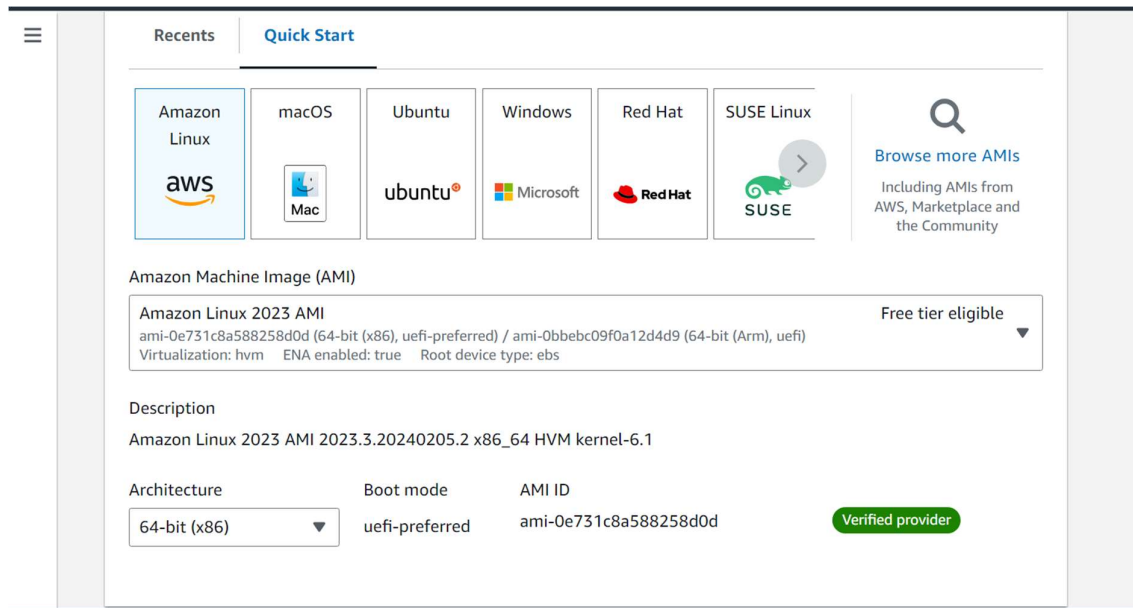
Objective:- Using Linux machine to enter another VM Linux machine.

Architecture:-

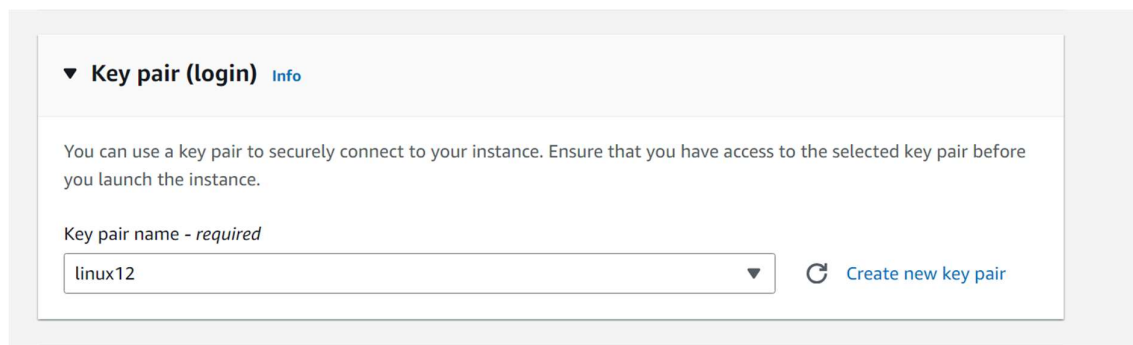


S1) Creating instance 1 with name 'Webserver' and AMI as Amazon Linux





Creating new key pair linux12.pem



Open Command prompt and type this command in format

Ssh -i key_file_path username@ Public ip address

Type command to open machine in command line


```

Complete!
[root@ip-172-31-22-16 ec2-user]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@ip-172-31-22-16 ec2-user]# service httpd enable
The service command supports only basic LSB actions (start, stop, restart, try-restart, reload, reload-or-restart, try-reload-or-restart, force-reload, status, condrestart). For other actions, please try to use systemctl.
[root@ip-172-31-22-16 ec2-user]# service httpd status
Redirecting to /bin/systemctl status httpd.service
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
   Active: active (running) since Mon 2024-02-12 06:05:03 UTC; 19s ago
     Docs: man:httpd.service(8)
  Main PID: 25888 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
    Tasks: 177 (limit: 1114)
   Memory: 13.1M
      CPU: 75ms
   CGroup: /system.slice/httpd.service
           └─25888 /usr/sbin/httpd -DFOREGROUND
             └─25889 /usr/sbin/httpd -DFOREGROUND
               └─25890 /usr/sbin/httpd -DFOREGROUND
                 └─25891 /usr/sbin/httpd -DFOREGROUND
                   └─25892 /usr/sbin/httpd -DFOREGROUND

Feb 12 06:05:03 ip-172-31-22-16.ec2.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...
Feb 12 06:05:03 ip-172-31-22-16.ec2.internal systemd[1]: Started httpd.service - The Apache HTTP Server.
Feb 12 06:05:04 ip-172-31-22-16.ec2.internal httpd[25888]: Server configured, listening on: port 80
[root@ip-172-31-22-16 ec2-user]#

```

Now we will enter in the website path

```

bash: cd: /var/www/html: No such file or directory
[root@ip-172-31-22-16 ec2-user]# cd /var/www/html
[root@ip-172-31-22-16 html]#

```

```

root@ip-172-31-22-91:/var/  ×  +  ▾

[root@ip-172-31-22-91 html]# vi index.html
[root@ip-172-31-22-91 html]# [root@ip-172-31-22-91 html]# cat index.html
Hello everyone
[root@ip-172-31-22-91 html]#

```

Now create index.html file using **vi** command:- vi index.html

```

root@ip-172-31-22-91:/var/  ×  +  ▾

Hello everyone|
~
~
~
~
~
~
~
~

```

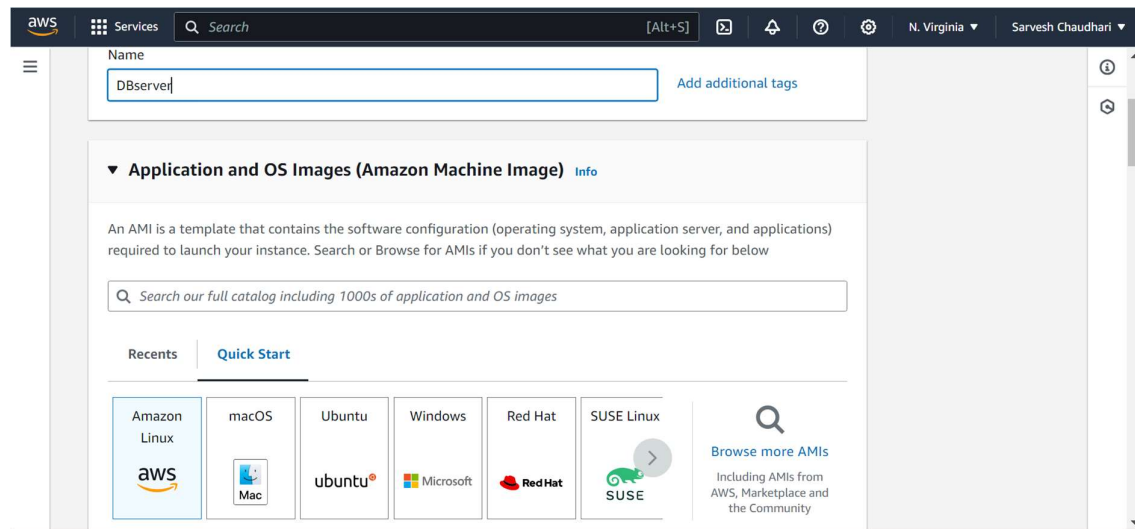
Now we will check our changes are made on IP or not.

Instances | EC2 | us-east-1 × 18.205.22.24 × +

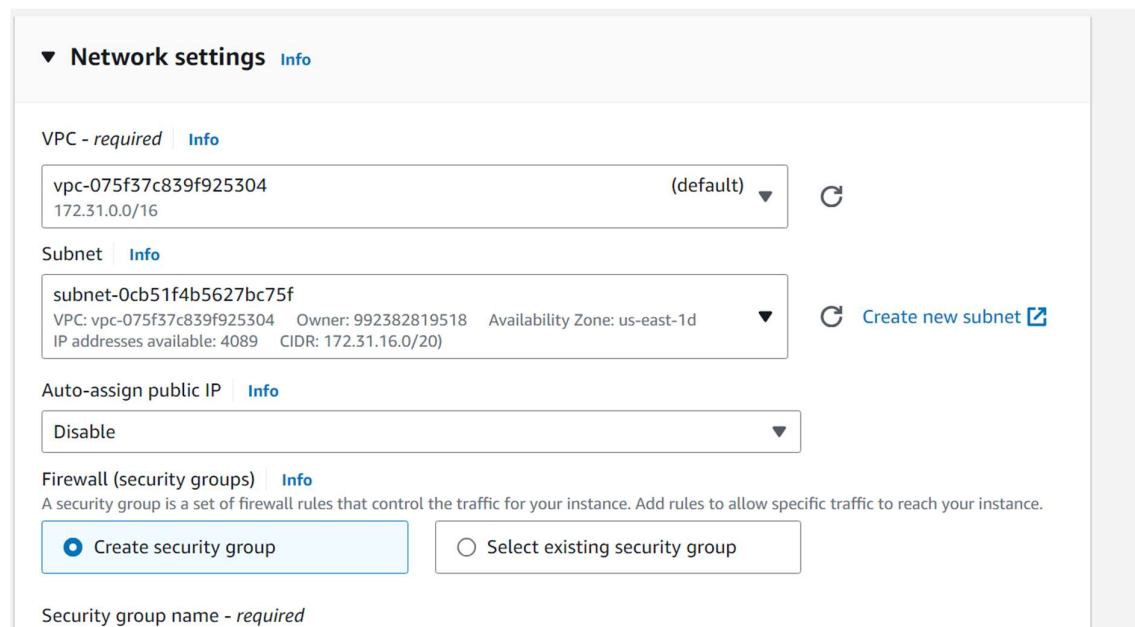
← → ↻ ⚠ Not secure 18.205.22.24

Hello everyone

S2) Now creating instance 2 with linux machine and also disable auto assign public IP



Selecting same AZ and disable Auto-assign public IP



Now creating instance.

Now using VI command to create key file in Instance 1

Directly using key file with location does not make sense as our key file is at our desktop function but our command line is opened on Instance1 VM .

So to use this key file first we open key file on notepad then copy the text and paste this text file in new created key file.

Now by click escape then :wq + enter .

