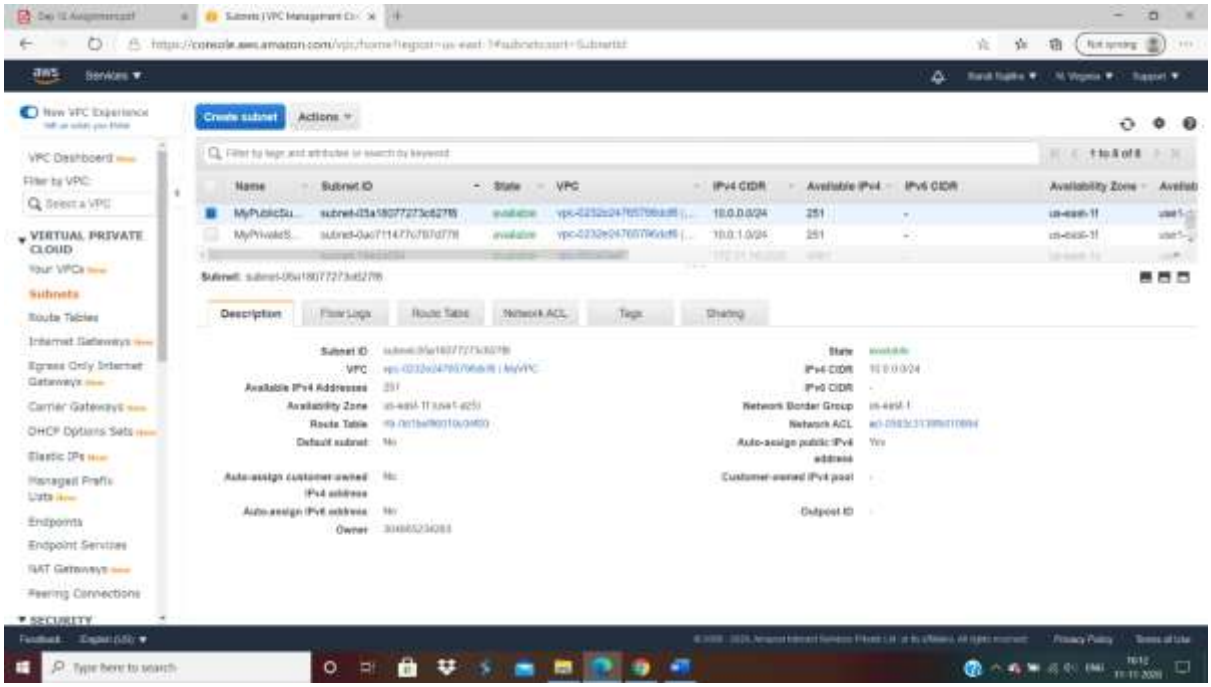
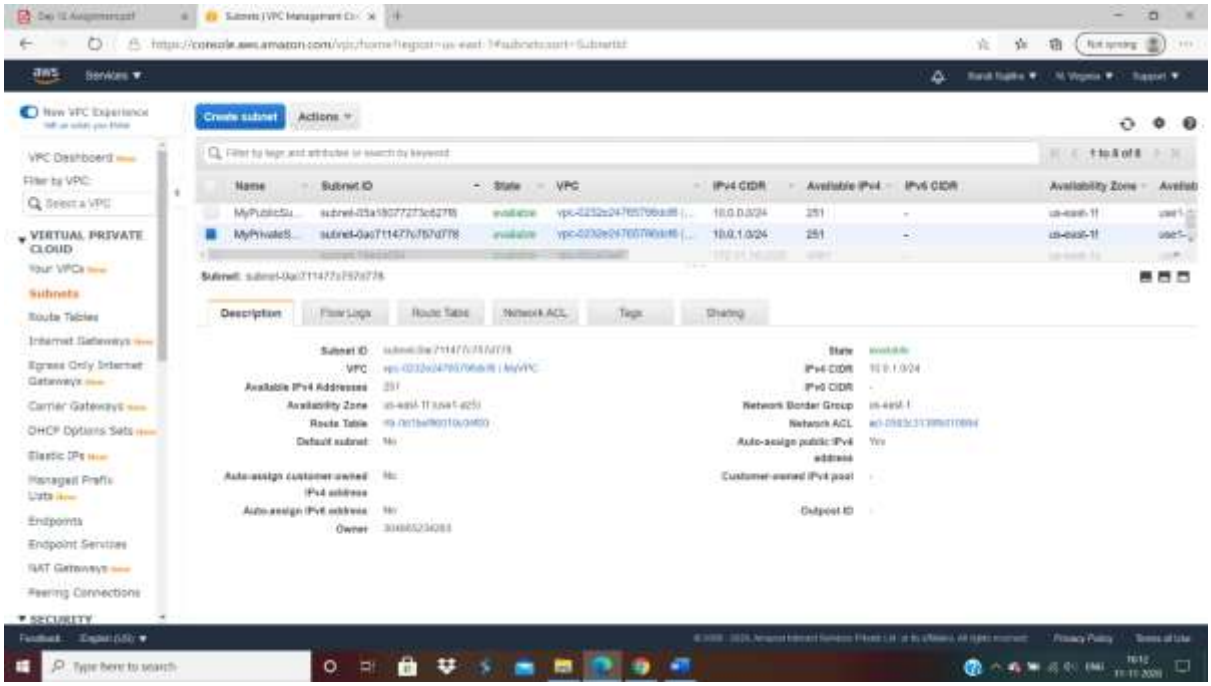
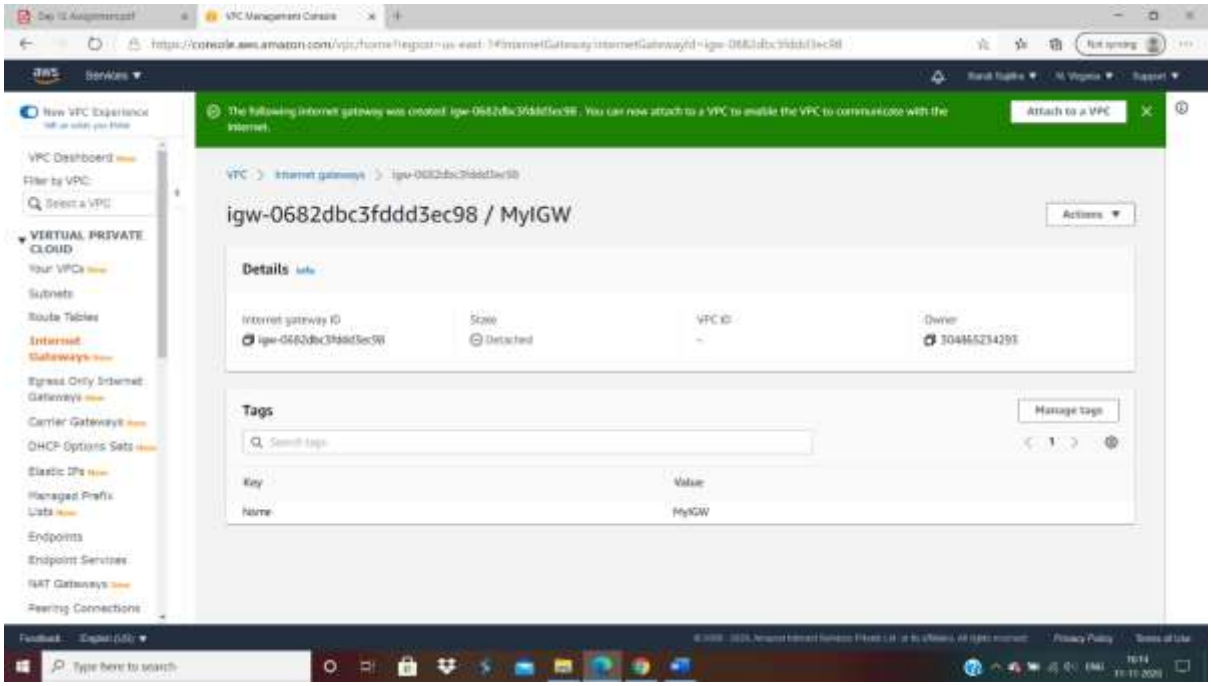
AWS ASSESSMENT PROJECT

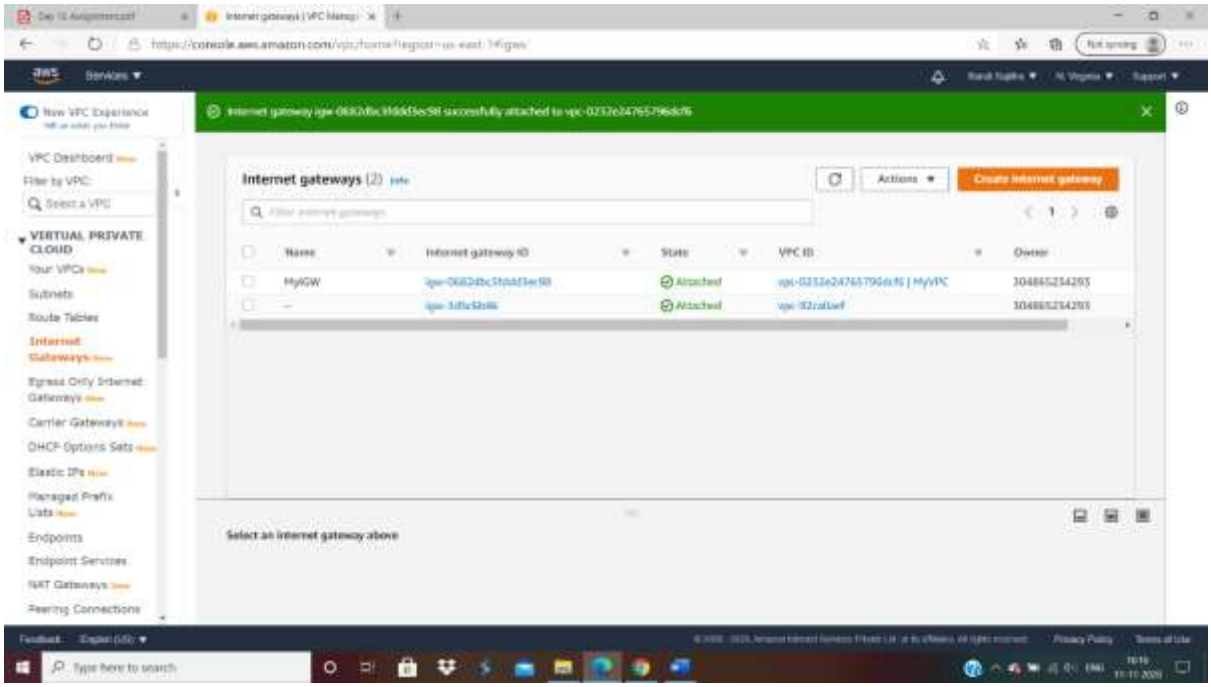
1)Create a VPC with a private subnet and a public subnet



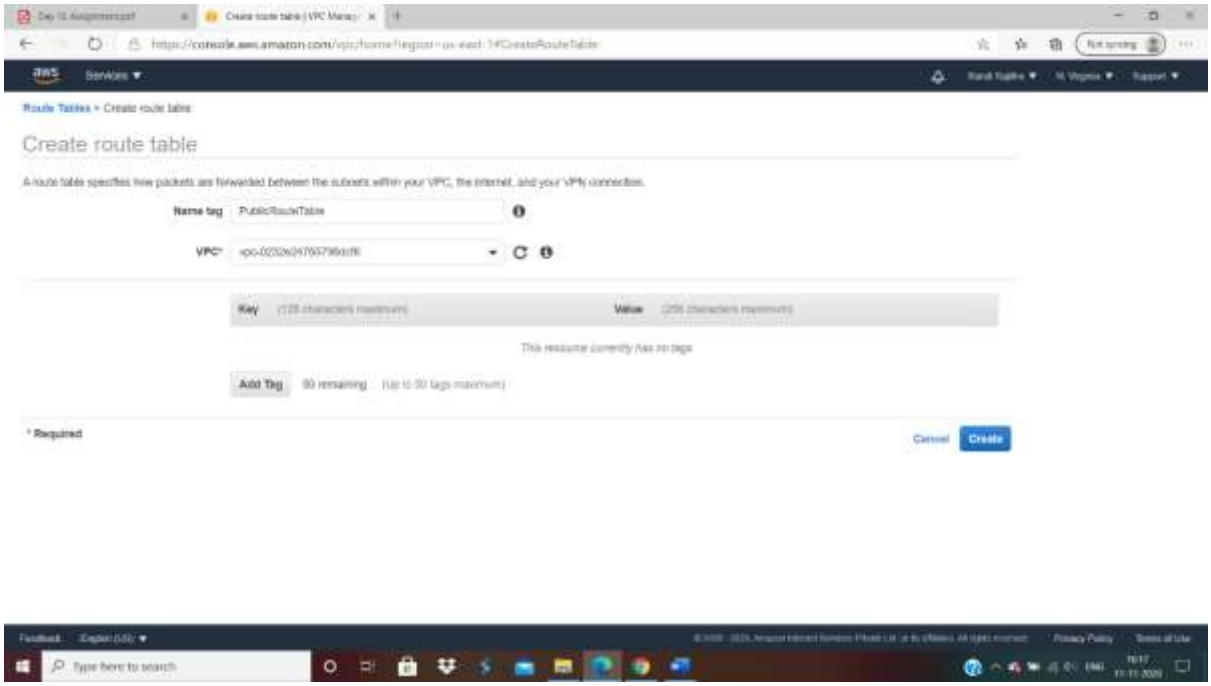


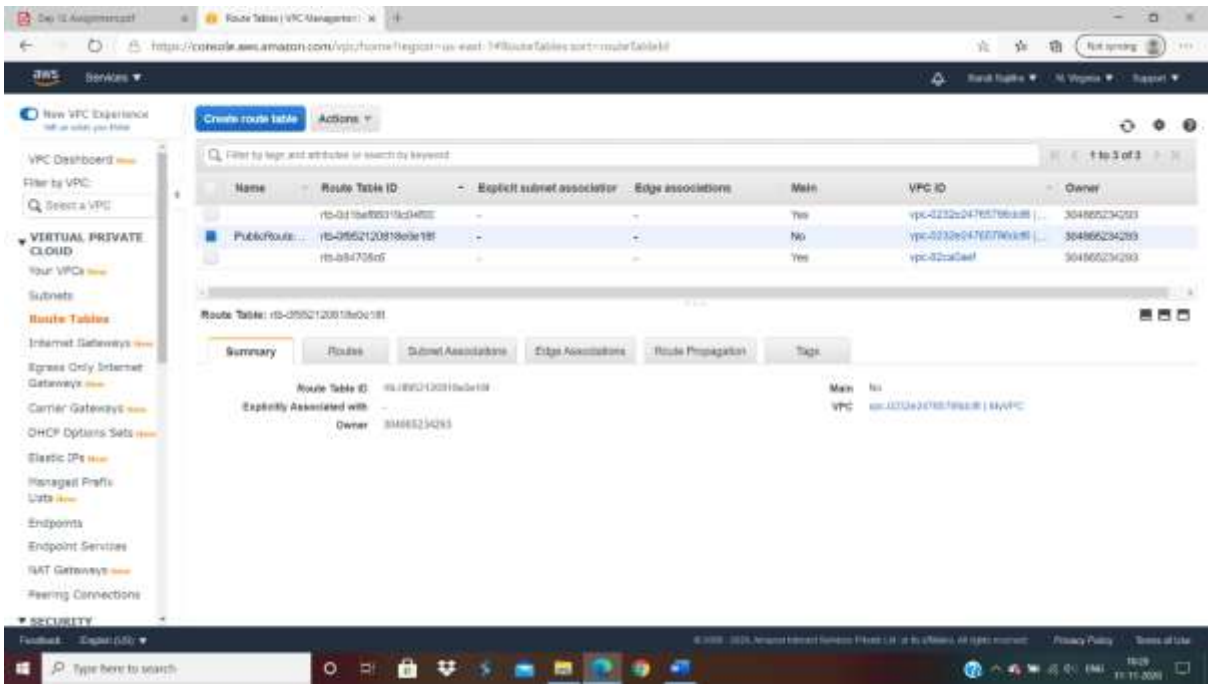
2)Create a IGW and associate with the public subnet



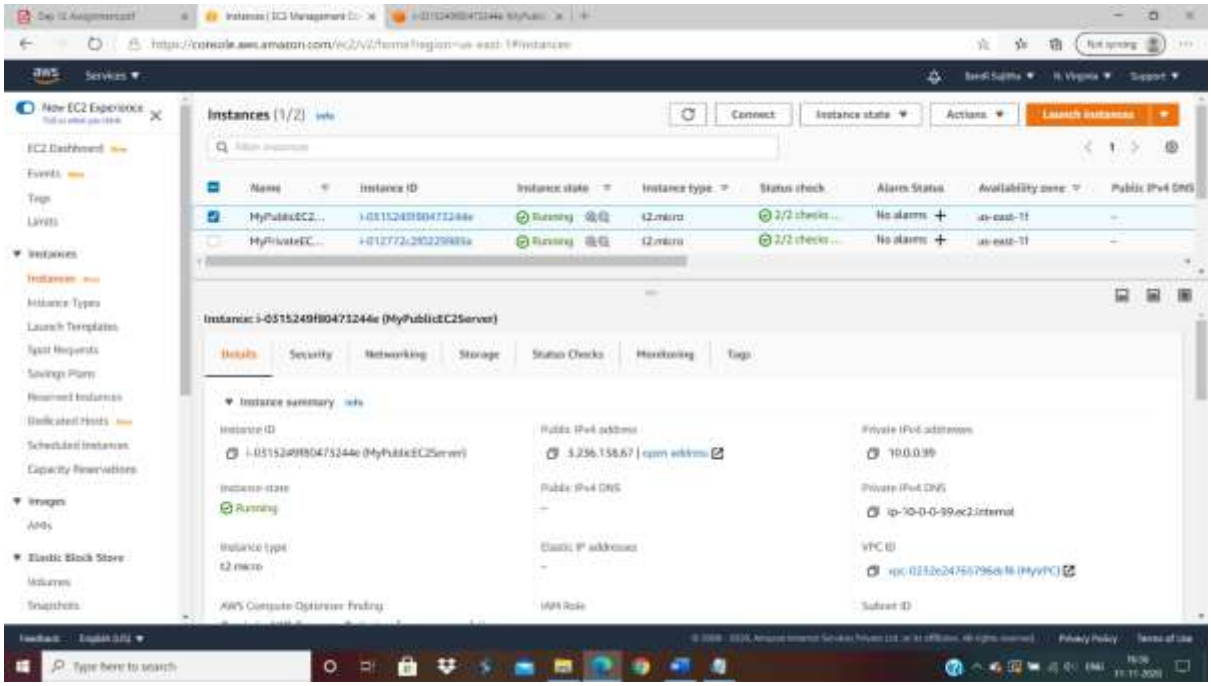


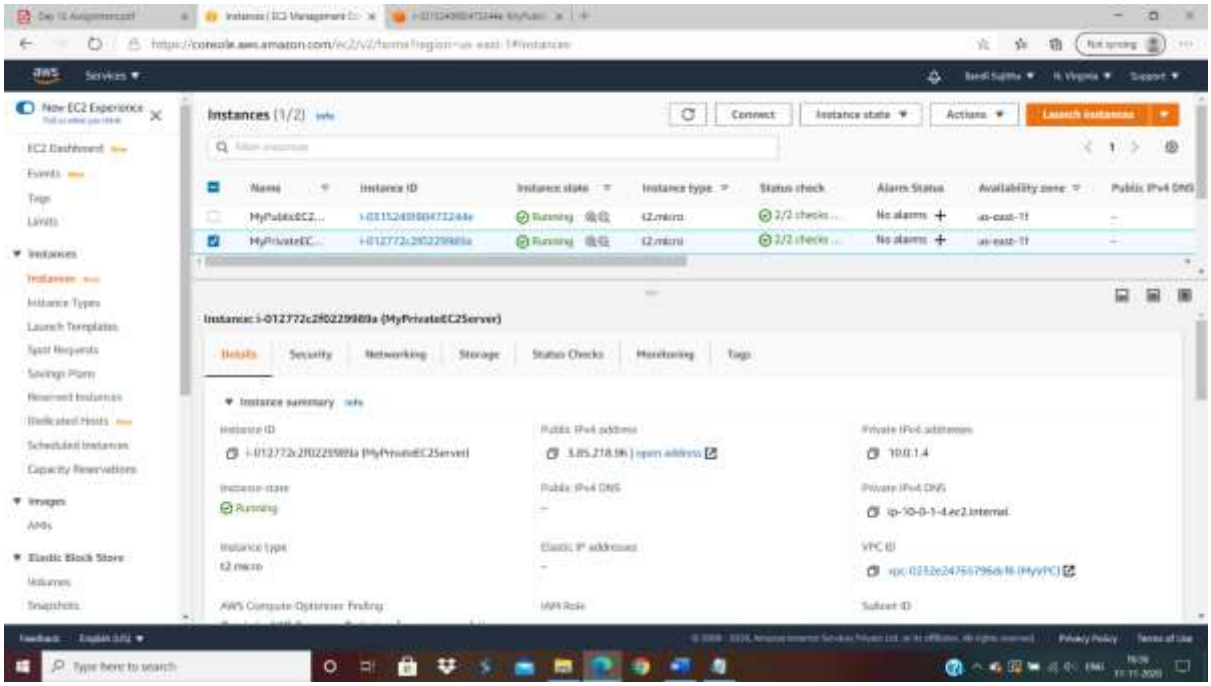
3)Create a route table with VPC



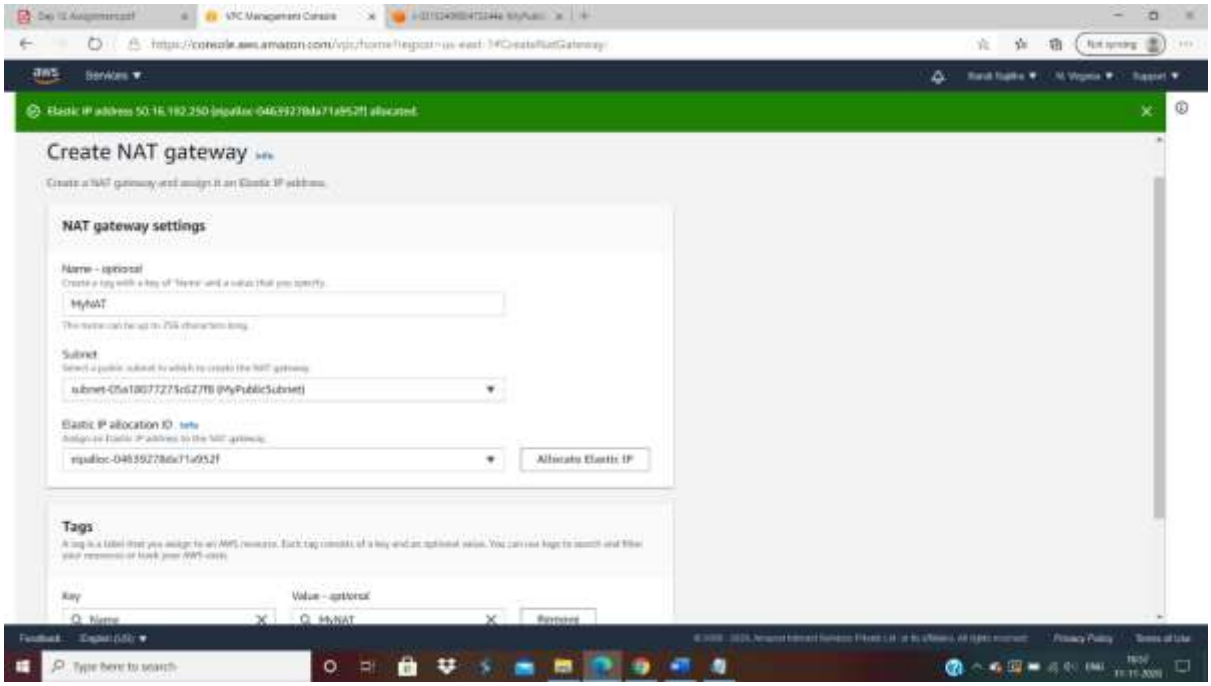


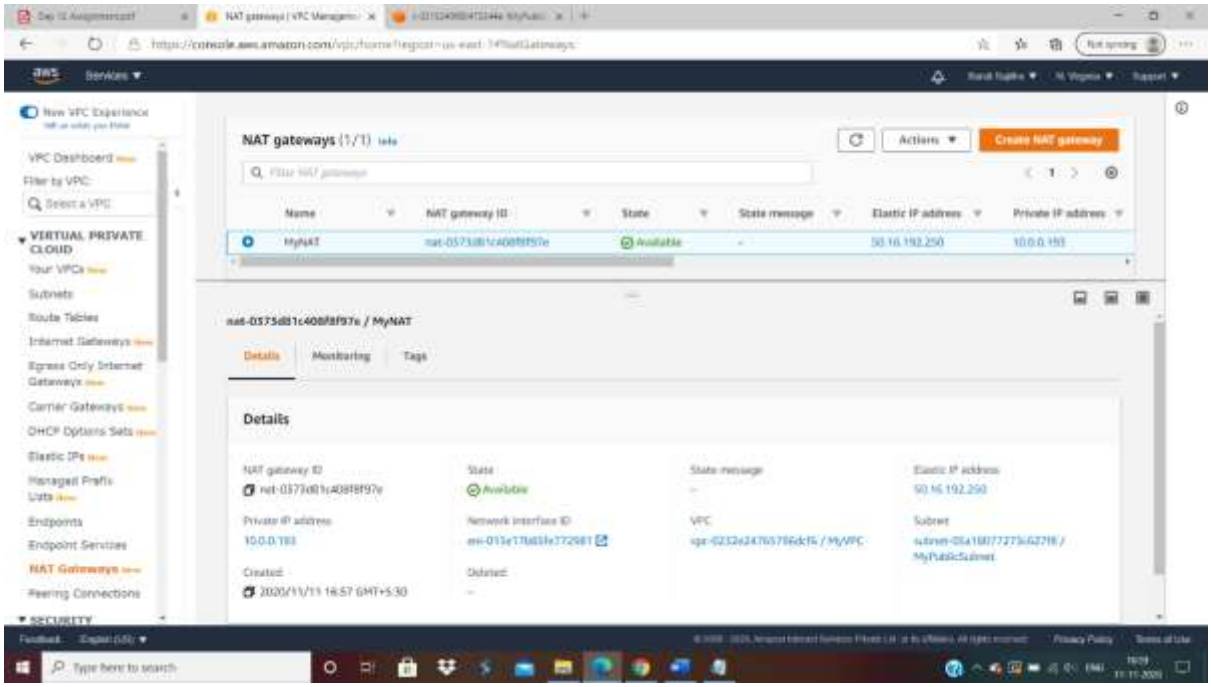
4.Creating two instances using linux

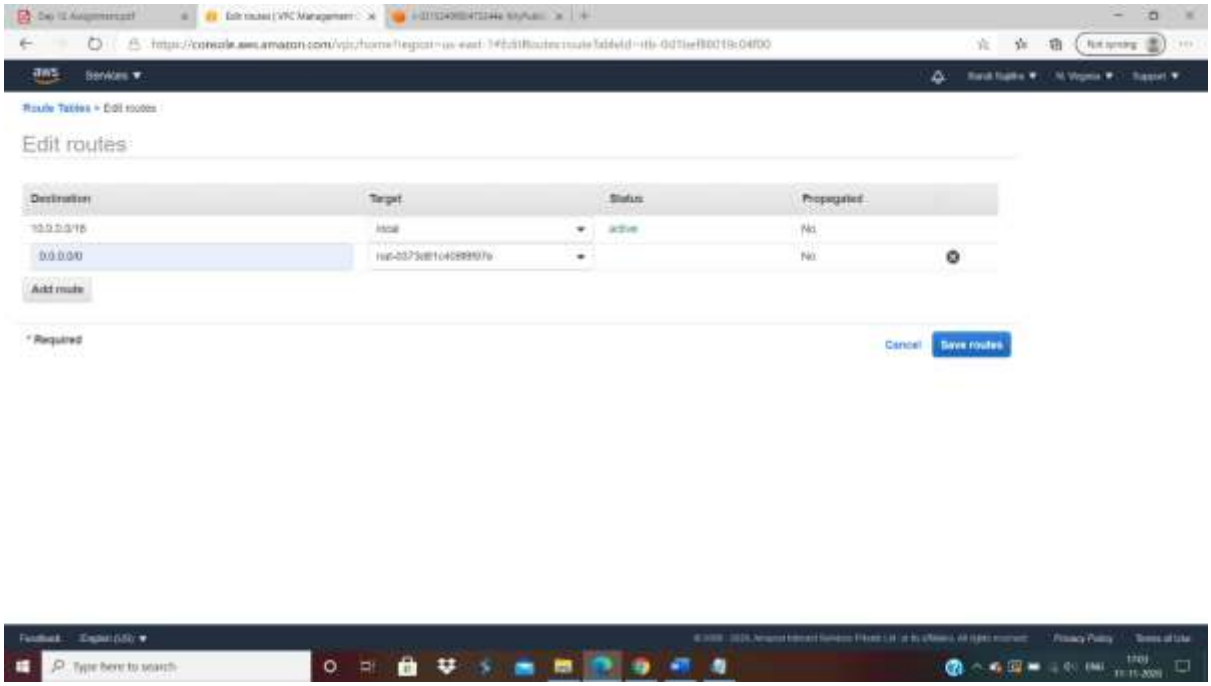




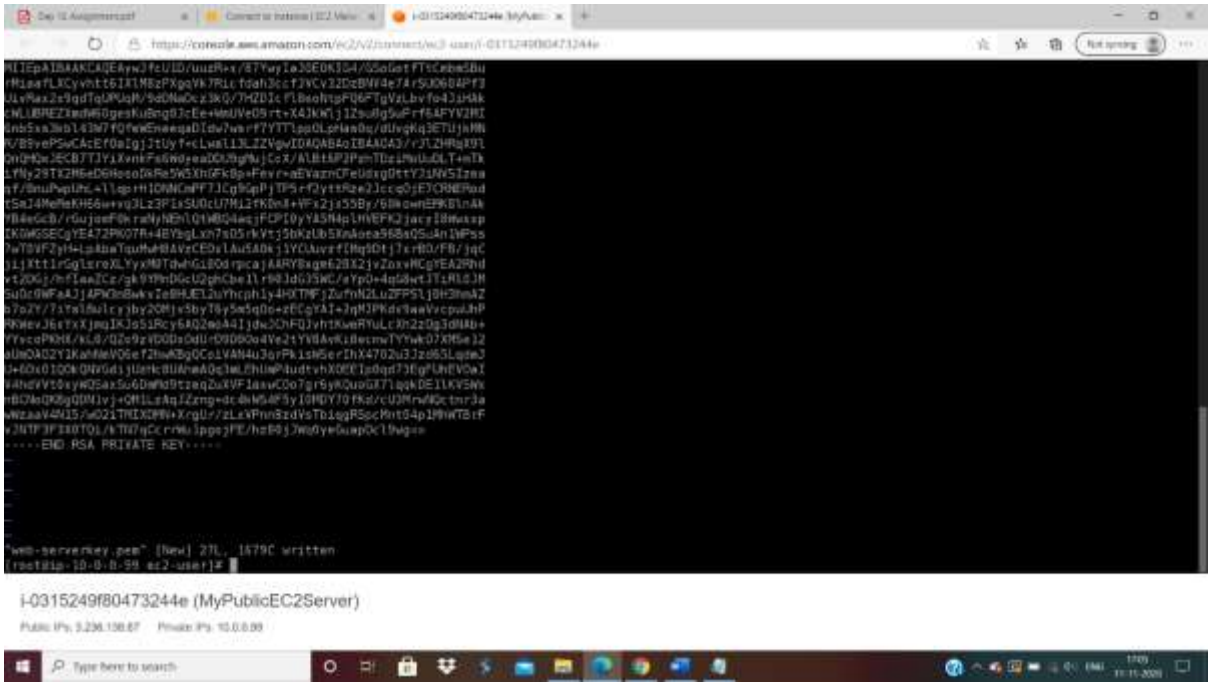
5)Create a NAT gateway and associate with public subnet

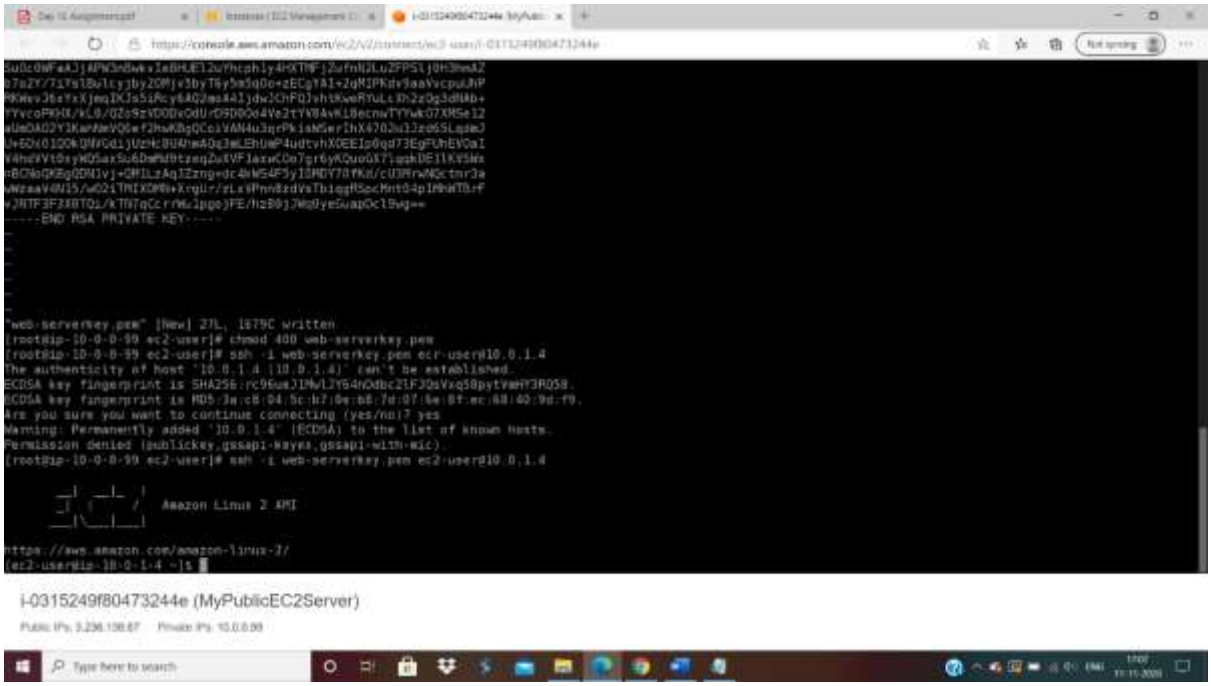




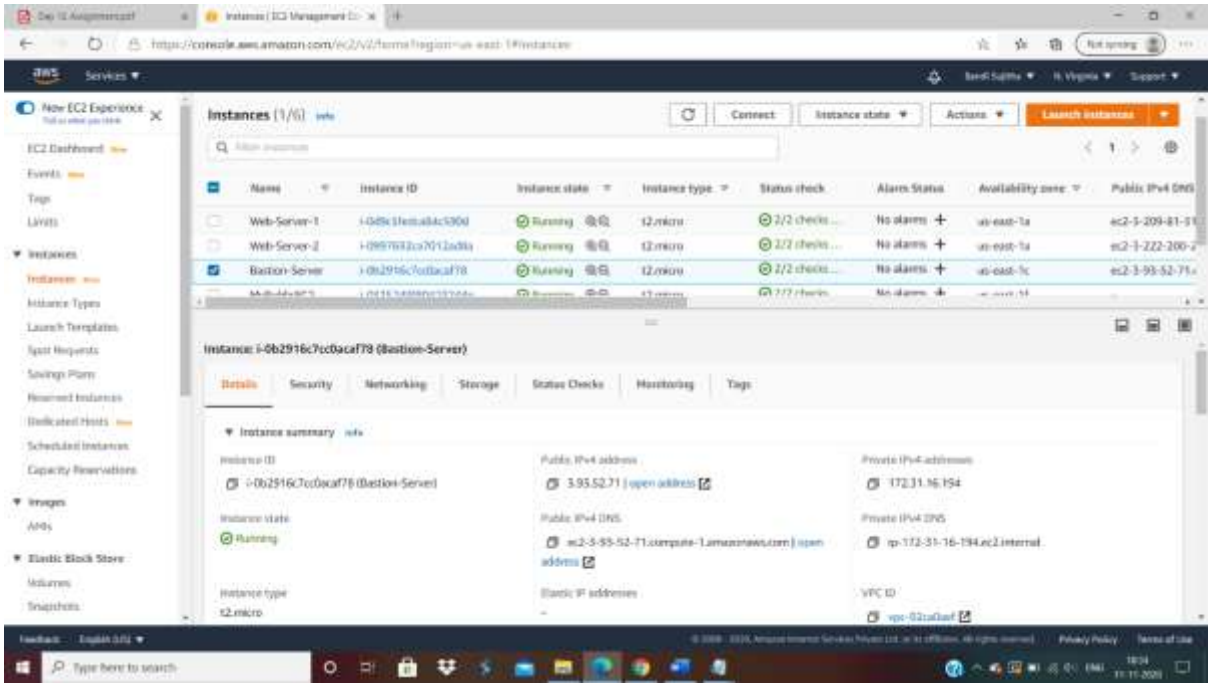


6)Connect the public instance and copy the private key and login to private ip

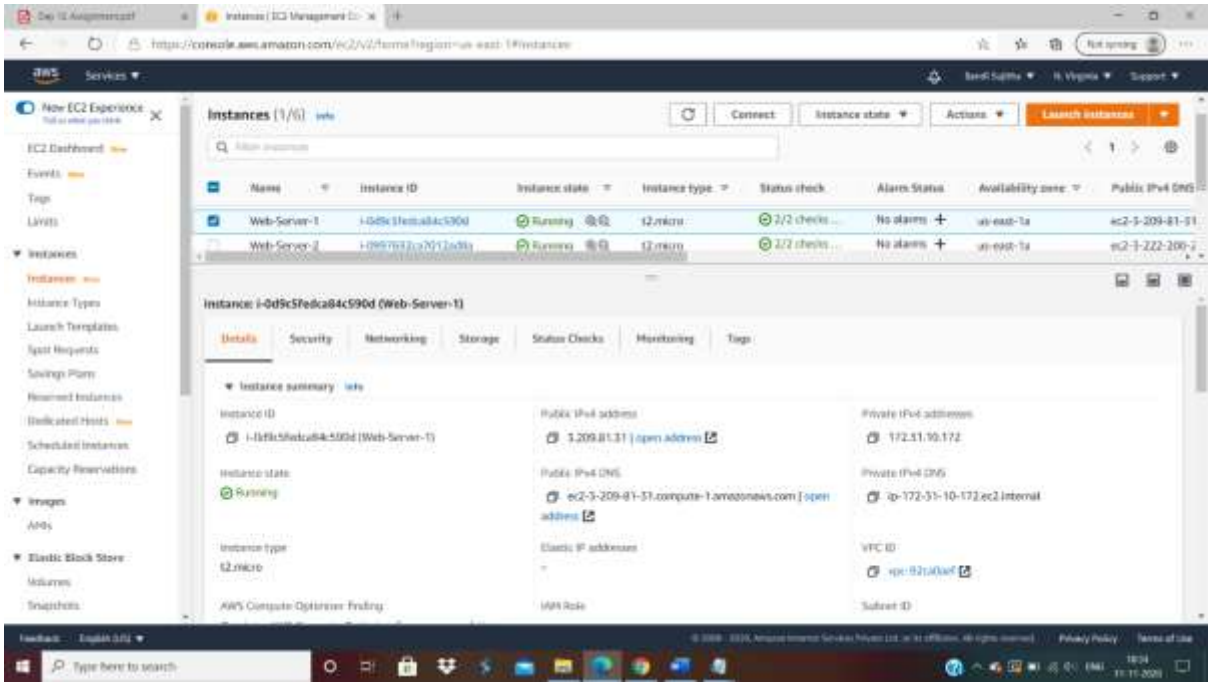


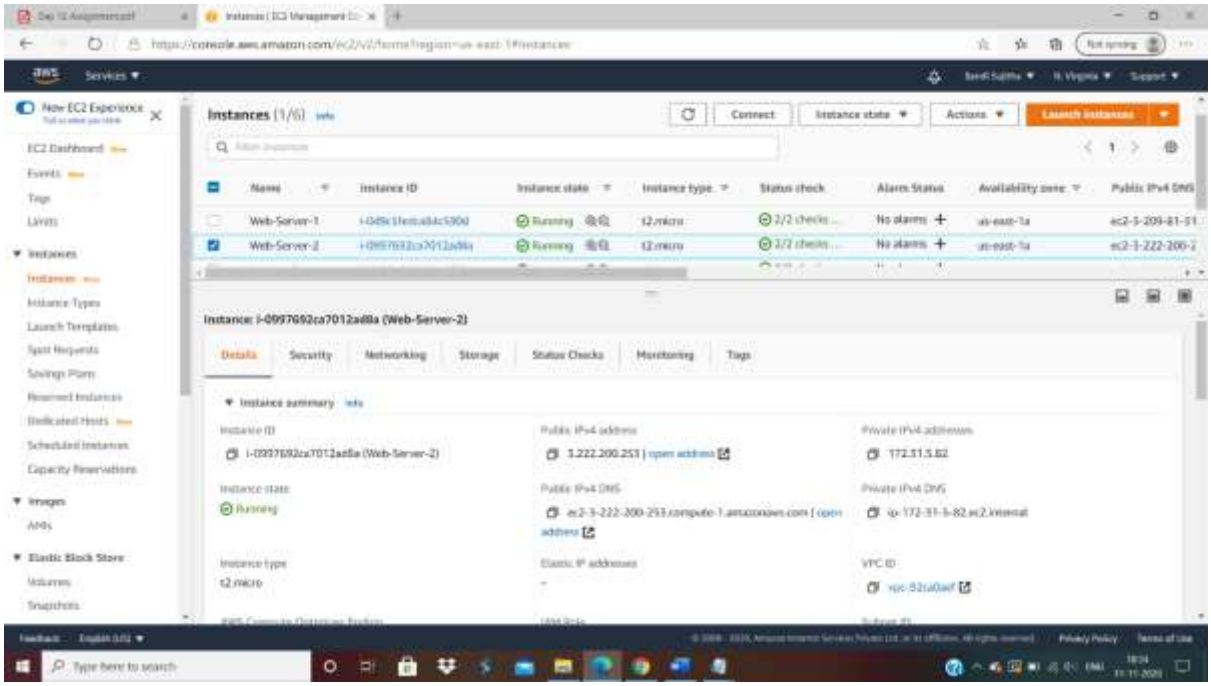


7)Now launch bastion server in the public subnet

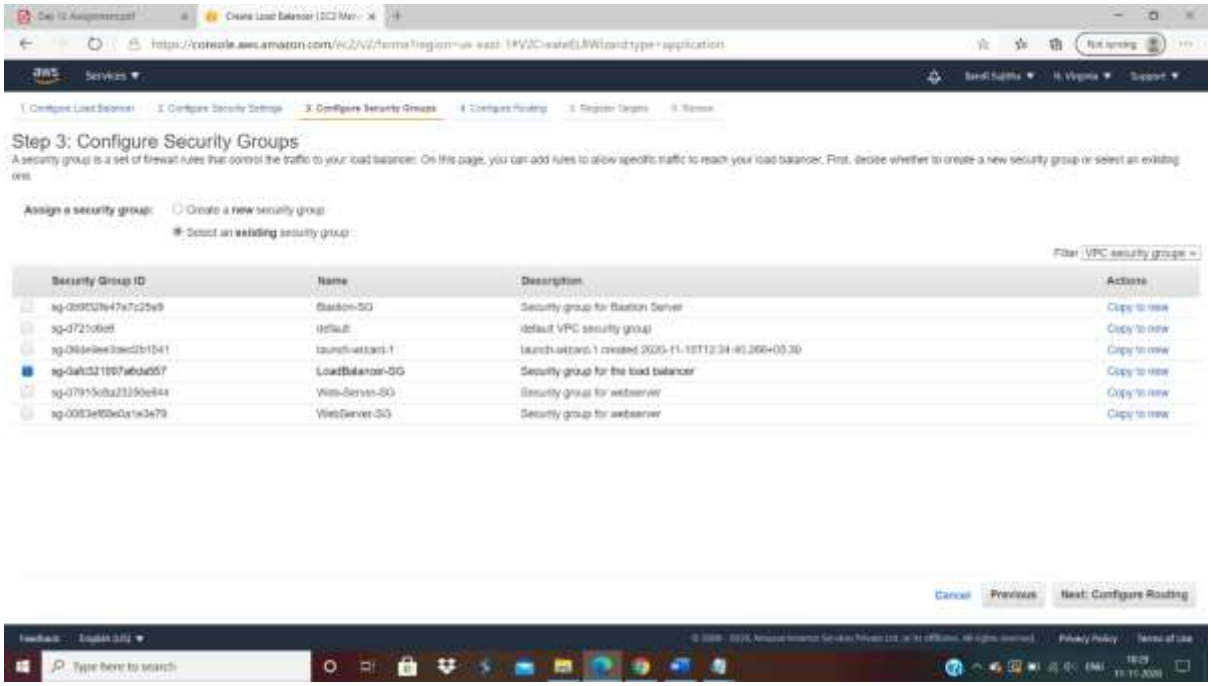


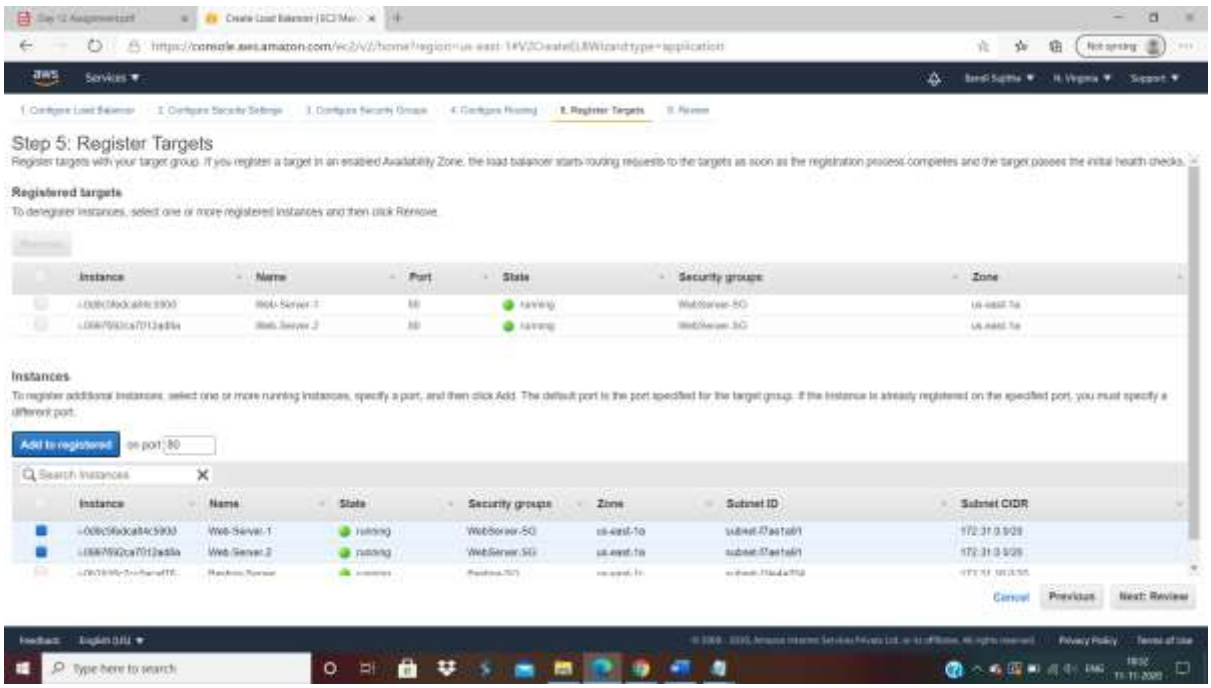
8) launch two webservers in the private subnet

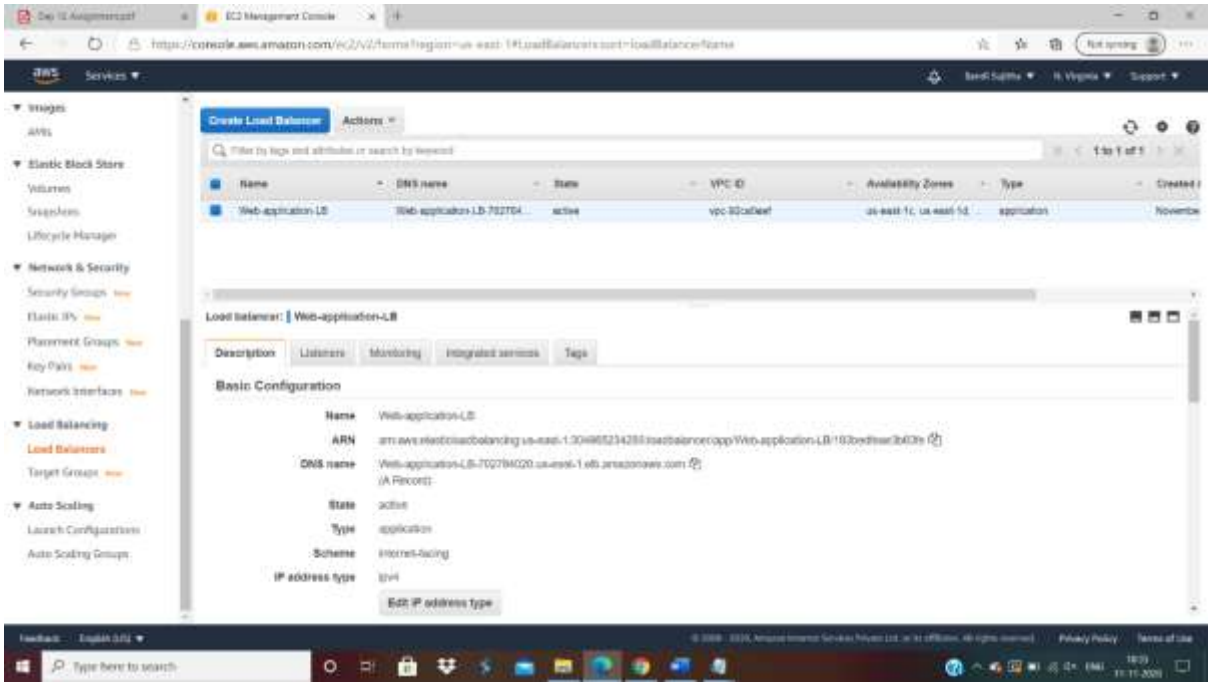




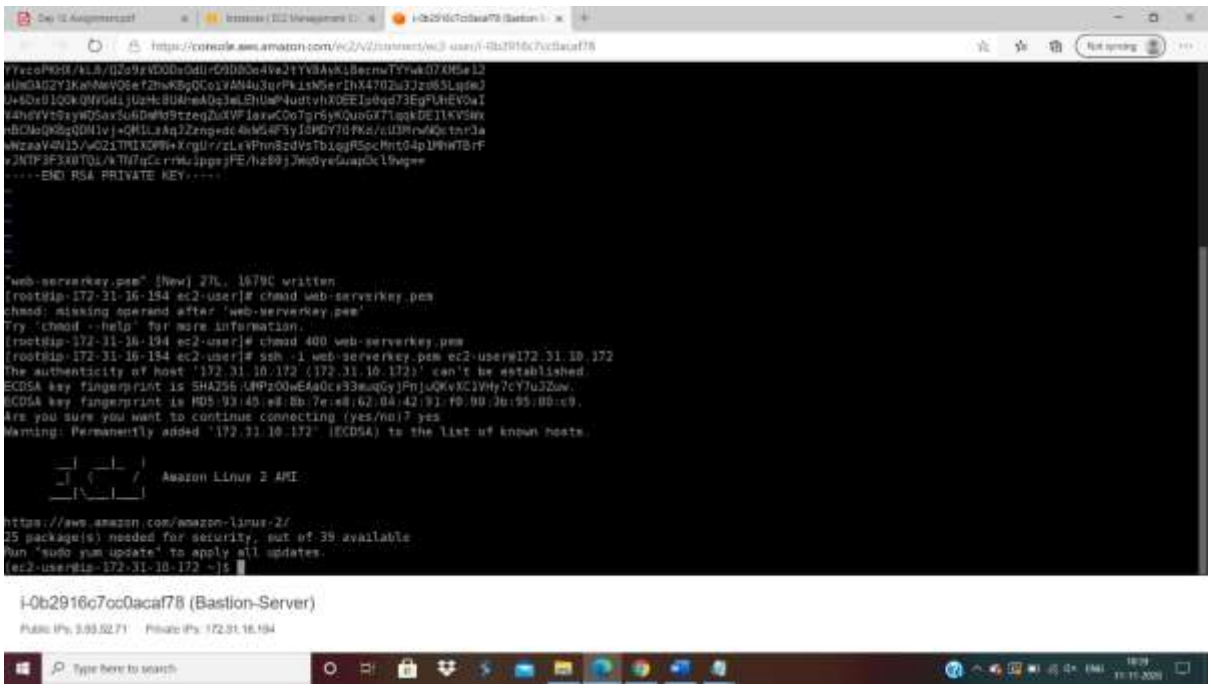
9) Create a load balancer in the public subnet range

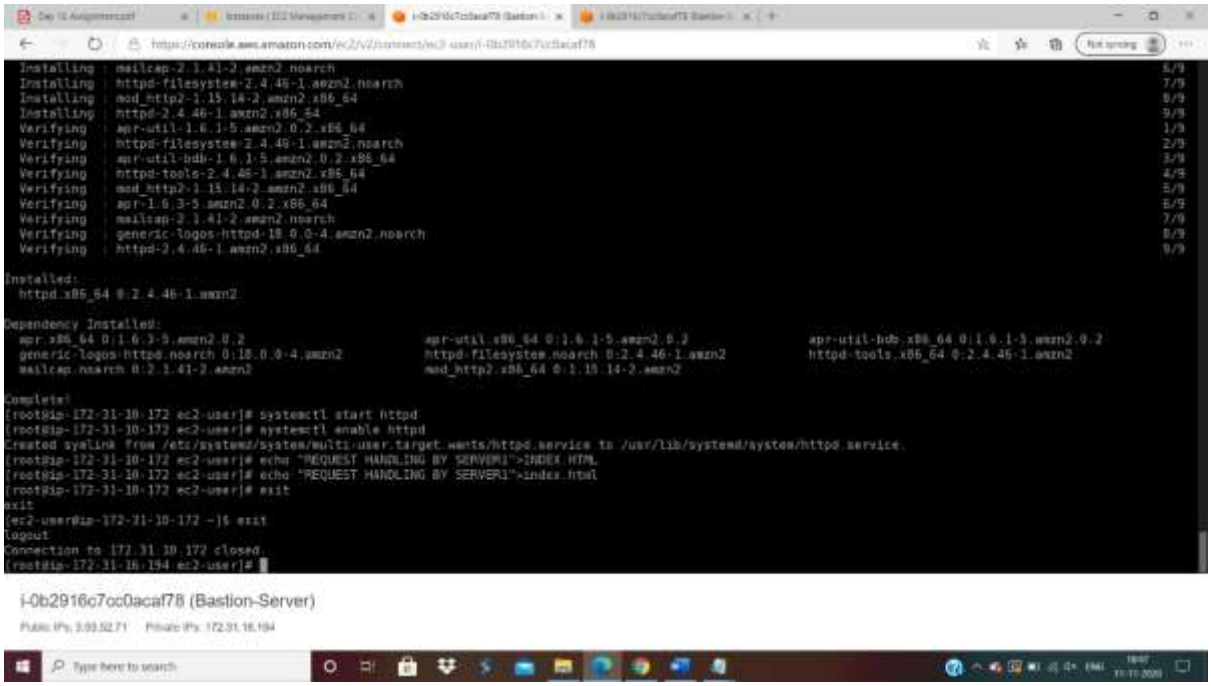


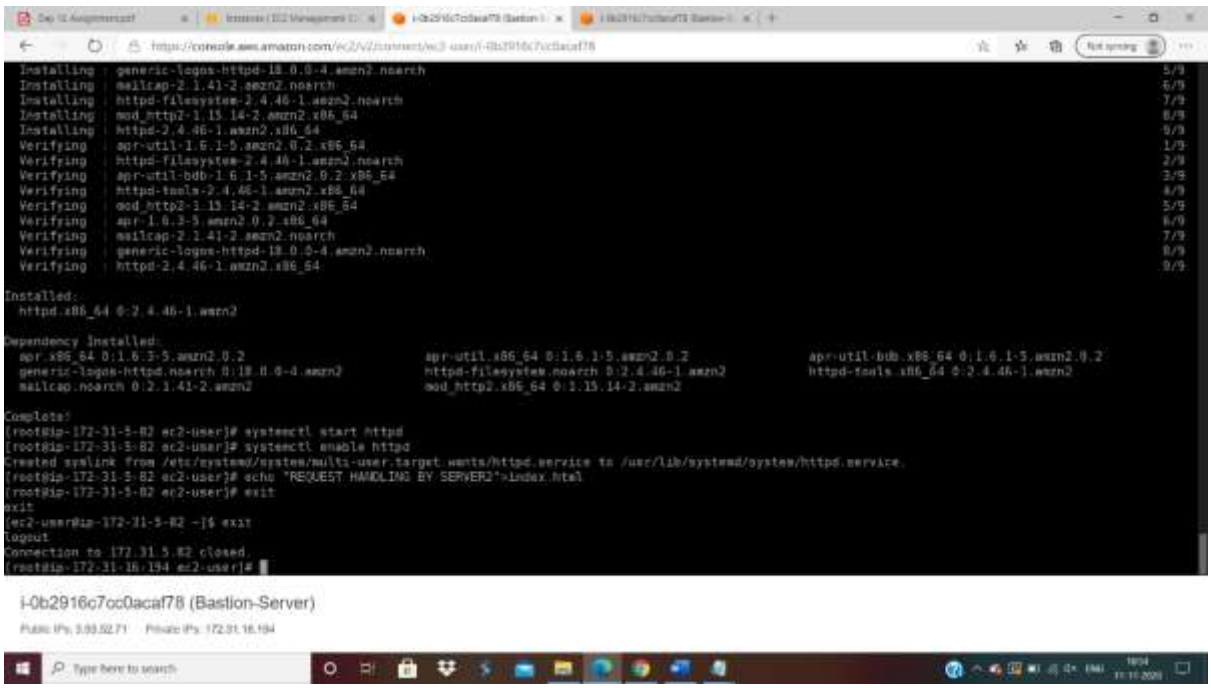




10)Connect the Bastion server with the web server 1 & 2 private ip addresses




Installing : mailcap-2.1.41-2.amzn2.noarch 5/9
Installing : httpd-filesystem-2.4.46-1.amzn2.noarch 7/9
Installing : mod_http2-1.15.14-2.amzn2.x86_64 8/9
Installing : httpd-2.4.46-1.amzn2.x86_64 9/9
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/9
Verifying : httpd-filesystem-2.4.46-1.amzn2.noarch 2/9
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 3/9
Verifying : httpd-tools-2.4.46-1.amzn2.x86_64 4/9
Verifying : mod_http2-1.15.14-2.amzn2.x86_64 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 8/9
Verifying : httpd-2.4.46-1.amzn2.x86_64 9/9
Installed:
httpd.x86_64 0:2.4.46-1.amzn2
Dependency Installed:
apr.x86_64 0:1.6.3-5.amzn2.0.2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2 apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
generic-logos-httpd.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.46-1.amzn2 httpd-tools.x86_64 0:2.4.46-1.amzn2
mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.14-2.amzn2
Complete!
[root@ip-172-31-10-172 ec2-user]# systemctl start httpd
[root@ip-172-31-10-172 ec2-user]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-10-172 ec2-user]# echo "REQUEST HANDLING BY SERVER1">INDEX.HTML
[root@ip-172-31-10-172 ec2-user]# echo "REQUEST HANDLING BY SERVER1">index.html
[root@ip-172-31-10-172 ec2-user]# exit
exit
[ec2-user@ip-172-31-10-172 ~]$ exit
Logout
Connection to 172.31.10.172 closed.
[root@ip-172-31-16-194 ec2-user]#
i-0b2916c7oc0acaf78 (Bastion-Server)


Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch 5/9
Installing : mailcap-2.1.41-2.amzn2.noarch 6/9
Installing : httpd-filesystem-2.4.46-1.amzn2.noarch 7/9
Installing : mod_http2-1.15.14-2.amzn2.x86_64 8/9
Installing : httpd-2.4.46-1.amzn2.x86_64 9/9
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/9
Verifying : httpd-filesystem-2.4.46-1.amzn2.noarch 2/9
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 3/9
Verifying : httpd-tools-2.4.46-1.amzn2.x86_64 4/9
Verifying : mod_http2-1.15.14-2.amzn2.x86_64 5/9
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 8/9
Verifying : httpd-2.4.46-1.amzn2.x86_64 9/9
Installed:
httpd.x86_64 0:2.4.46-1.amzn2
Dependency Installed:
apr.x86_64 0:1.6.3-5.amzn2.0.2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2 apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
generic-logos-httpd.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.46-1.amzn2 httpd-tools.x86_64 0:2.4.46-1.amzn2
mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.14-2.amzn2
Complete!
[root@ip-172-31-5-82 ec2-user]# systemctl start httpd
[root@ip-172-31-5-82 ec2-user]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-5-82 ec2-user]# echo "REQUEST HANDLING BY SERVER2">index.html
[root@ip-172-31-5-82 ec2-user]# exit
exit
[ec2-user@ip-172-31-5-82 ~]$ exit
Logout
Connection to 172.31.5.82 closed.
[root@ip-172-31-16-194 ec2-user]#
i-0b2916c7oc0acaf78 (Bastion-Server)