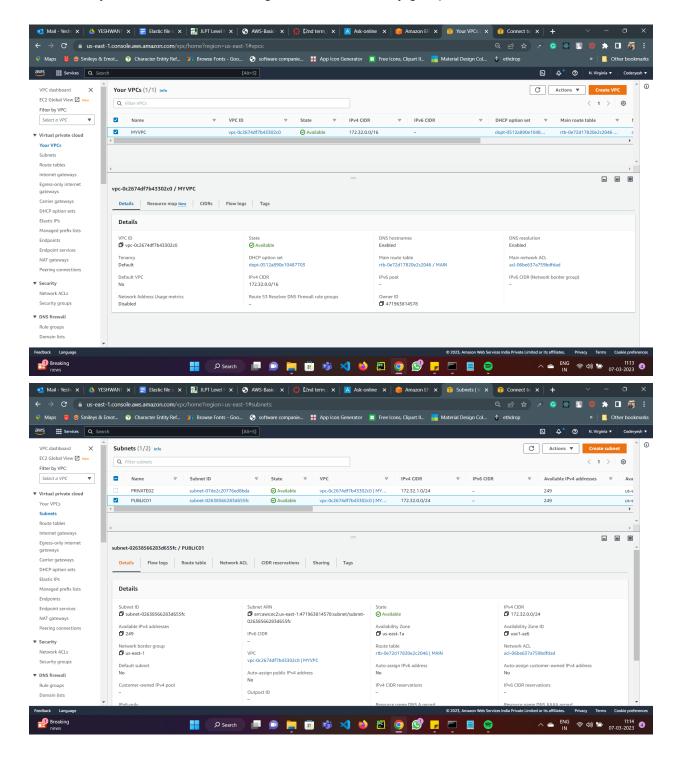Yeshwanth Chauhan
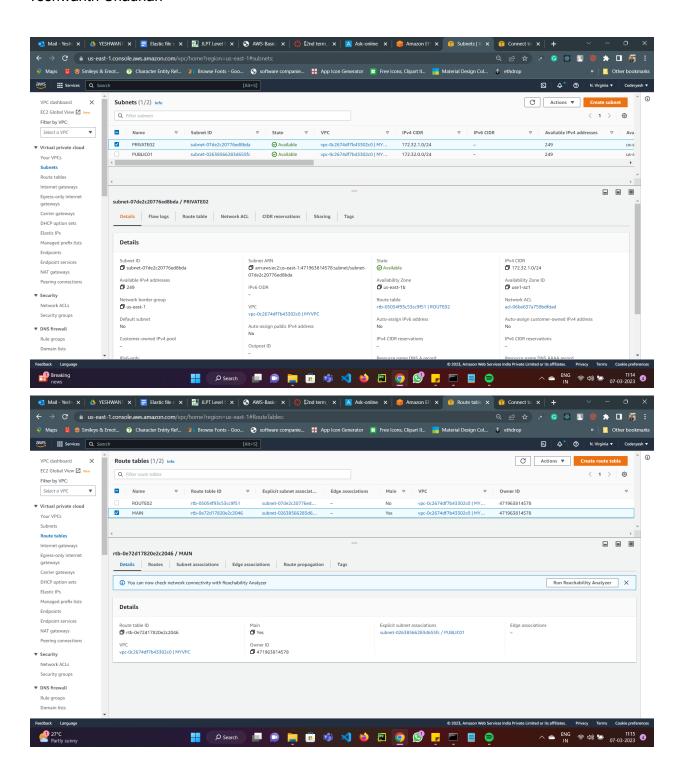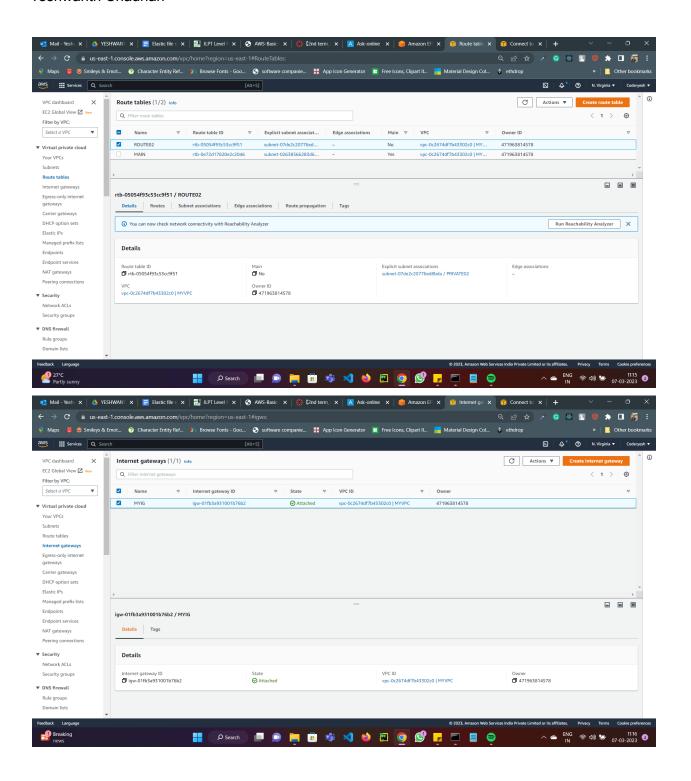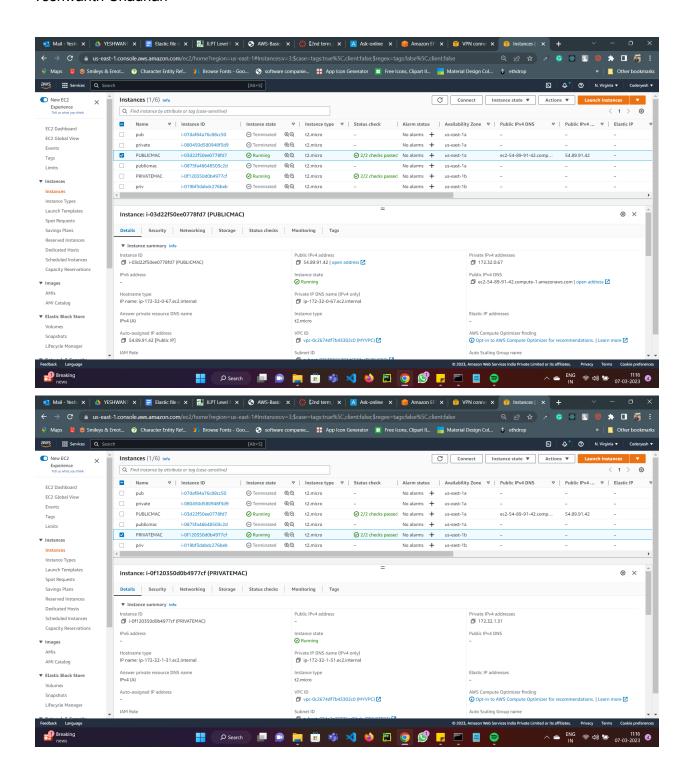
EFS here we are mounting onto the different instance once the file is saved in a public machine
The same file will be on the private machine
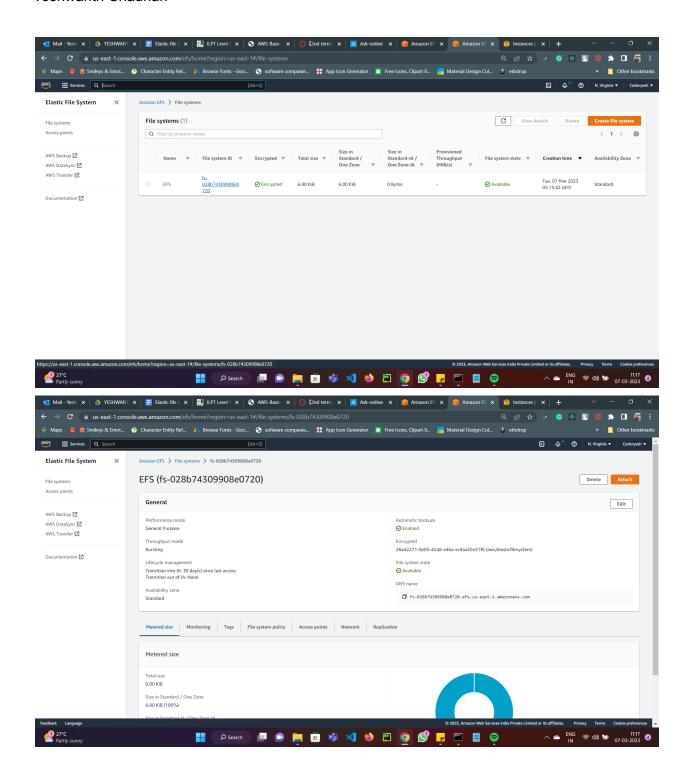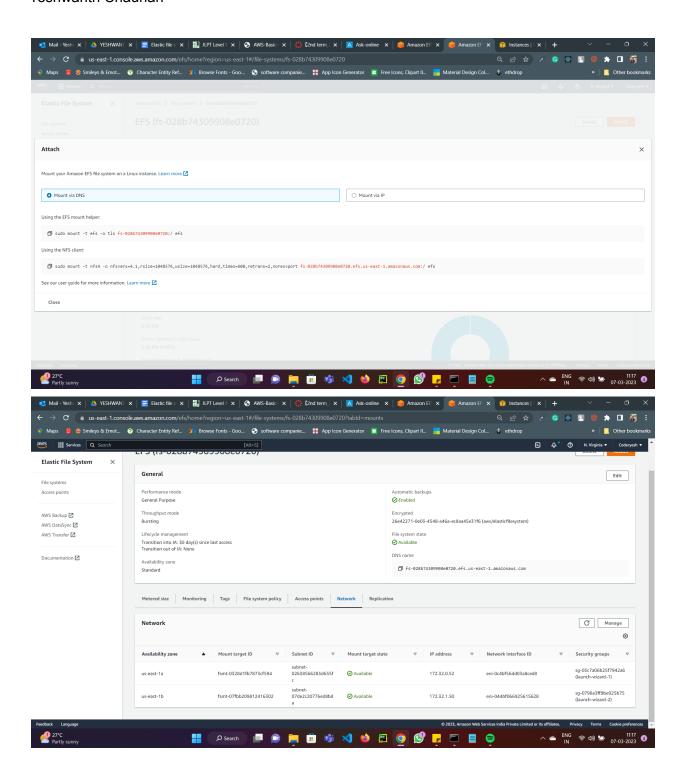Make sure you check the DNS setting in VPC and security groups and add NFS

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```
Microsoft Windows [Version 10.0.22000.1641]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Yesh>cd downloads

C:\Users\Yesh\Downloads>ssh -i "NEWKEYS.pem" ec2-user@ec2-54-89-91-42.compute-1.amazonaws.com
The authenticity of host 'ec2-54-89-91-42.compute-1.amazonaws.com (54.89.91.42)' can't be established.
ECDSA key fingerprint is SHA256:0iMssa8U6GOMY+yfdfYd6ZpAMwOhV5TLPiciCwoacok.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-89-91-42.compute-1.amazonaws.com,54.89.91.42' (ECDSA) to the list of known hosts.
Last login: Tue Mar  7 05:15:19 2023 from ec2-18-206-107-28.compute-1.amazonaws.com

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https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 4 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-32-0-67 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-028b74309908e0720.efs.us-east-1.amazonaws.
com:/ efs
^C
[ec2-user@ip-172-32-0-67 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-028b74309908e0720.efs.us-east-1.amazonaws.
com:/ efs
mount.nfs4: Connection timed out
[ec2-user@ip-172-32-0-67 ~]$ ^C
[ec2-user@ip-172-32-0-67 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-028b74309908e0720.efs.us-east-1.amazonaws.
com:/ efs
[ec2-user@ip-172-32-0-67 ~]$ cd efs
[ec2-user@ip-172-32-0-67 efs]$ touch fileefs
touch: cannot touch 'fileefs': Permission denied
[ec2-user@ip-172-32-0-67 efs]$ touch file1
touch: cannot touch 'file1': Permission denied
[ec2-user@ip-172-32-0-67 efs]$ vi file1
[ec2-user@ip-172-32-0-67 efs]$ [ec2-user@ip-172-32-0-67 efs]$ ls
[ec2-user@ip-172-32-0-67 efs]$ ls -l
total 0
[ec2-user@ip-172-32-0-67 efs]$ touch file1
touch: cannot touch 'file1': Permission denied
[ec2-user@ip-172-32-0-67 efs]$ touch file2
touch: cannot touch 'file2': Permission denied
[ec2-user@ip-172-32-0-67 efs]$ exit
[ec2-user@ip-172-32-1-31 efs]$ _
```



```
[ec2-user@ip-172-32-0-67 efs]$ exit
[ec2-user@ip-172-32-1-31 efs]$
Connection to ec2-54-89-91-42.compute-1.amazonaws.com closed.

C:\Users\Yesh\Downloads>ssh -i "NEWKEYS.pem" ec2-user@ec2-54-89-91-42.compute-1.amazonaws.com
Last login: Tue Mar  7 05:17:42 2023 from 49.249.92.50

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https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 4 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-32-0-67 ~]$ cd efs
[ec2-user@ip-172-32-0-67 efs]$ ls
[ec2-user@ip-172-32-0-67 efs]$ ls -l
total 0
[ec2-user@ip-172-32-0-67 efs]$ touch file5
touch: cannot touch 'file5': Permission denied
[ec2-user@ip-172-32-0-67 efs]$ touch bhui
touch: cannot touch 'bhui': Permission denied
[ec2-user@ip-172-32-0-67 efs]$ sudo touch file1
[ec2-user@ip-172-32-0-67 efs]$ ls
file1
[ec2-user@ip-172-32-0-67 efs]$ cd ..
[ec2-user@ip-172-32-0-67 ~]$ ssh -i "NEWKEYS.pem" ec2-user@172.32.1.31
Warning: Identity file NEWKEYS.pem not accessible: No such file or directory.
The authenticity of host '172.32.1.31 (172.32.1.31)' can't be established.
ECDSA key fingerprint is SHA256:Ayjh638+U3H7hKitcoALwHL6wzqS9W/rZN460XzWX2Y.
ECDSA key fingerprint is MD5:46:0e:6c:84:c9:19:81:57:9b:db:4a:5c:6a:33:5b:89.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '172.32.1.31' (ECDSA) to the list of known hosts.
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[ec2-user@ip-172-32-0-67 ~]$ vi NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ [ec2-user@ip-172-32-0-67 ~]$ ls -l
total 8
drwxr-xr-x 2 root     root     6144 Mar  7 05:30 efs
-rw-rw-r-- 1 ec2-user ec2-user 1668 Mar  7 05:33 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ chmod 400 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ls -l
total 8
drwxr-xr-x 2 root     root     6144 Mar  7 05:30 efs
```

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drwxr-xr-x 2 root      root      6144 Mar  7 05:30 efs
-r-------- 1 ec2-user ec2-user 1668 Mar  7 05:33 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ssh -i "NEWKEYS.pem" ec2-user@172.32.1.31
Enter passphrase for key 'NEWKEYS.pem':

[ec2-user@ip-172-32-0-67 ~]$ rm NEWKEY.pem
rm: cannot remove 'NEWKEY.pem': No such file or directory
[ec2-user@ip-172-32-0-67 ~]$ rm NEWKEYS.pem
rm: remove write-protected regular file 'NEWKEYS.pem'? yes
[ec2-user@ip-172-32-0-67 ~]$ vi NEWKEYSpe
[ec2-user@ip-172-32-0-67 ~]$ [ec2-user@ip-172-32-0-67 ~]$ ls
efs
[ec2-user@ip-172-32-0-67 ~]$ vi NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ls -l
total 8
drwxr-xr-x 2 root      root      6144 Mar  7 05:30 efs
-rw-rw-r-- 1 ec2-user ec2-user 1666 Mar  7 05:36 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ chmod 400 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ls -l
total 8
drwxr-xr-x 2 root      root      6144 Mar  7 05:30 efs
-r-------- 1 ec2-user ec2-user 1666 Mar  7 05:36 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ssh -i "NEWKEYS.pem" ec2-user@172.32.1.31
Enter passphrase for key 'NEWKEYS.pem':
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).
[ec2-user@ip-172-32-0-67 ~]$ rm NEWKEYS.pem
rm: remove write-protected regular file 'NEWKEYS.pem'? yes
[ec2-user@ip-172-32-0-67 ~]$ vi NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ls -l
total 8
drwxr-xr-x 2 root      root      6144 Mar  7 05:30 efs
-rw-rw-r-- 1 ec2-user ec2-user 1675 Mar  7 05:39 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ chmod 400 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ls -l
total 8
drwxr-xr-x 2 root      root      6144 Mar  7 05:30 efs
-r-------- 1 ec2-user ec2-user 1675 Mar  7 05:39 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ssh -i "NEWKEYS.pem" ec2-user@172.32.1.31

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total 8
drwxr-xr-x 2 root      root      6144 Mar  7 05:30 efs
-rw-rw-r-- 1 ec2-user ec2-user 1675 Mar  7 05:39 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ chmod 400 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ls -l
total 8
drwxr-xr-x 2 root      root      6144 Mar  7 05:30 efs
-r-------- 1 ec2-user ec2-user 1675 Mar  7 05:39 NEWKEYS.pem
[ec2-user@ip-172-32-0-67 ~]$ ssh -i "NEWKEYS.pem" ec2-user@172.32.1.31

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https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-32-1-31 ~]$ mkdir efs
[ec2-user@ip-172-32-1-31 ~]$ ls
efs
[ec2-user@ip-172-32-1-31 ~]$ sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-028b74309908e0720.efs.us-east-1.amazonaws.
com:/ efs
[ec2-user@ip-172-32-1-31 ~]$ cd efs
[ec2-user@ip-172-32-1-31 efs]$ ls
file1
[ec2-user@ip-172-32-1-31 efs]$
```