Dated 24-03-2024

Assignment for Module 2: EC2 and EFS

Tasks To Be Performed:

1. Create an EFS and connect it to 3 different EC2 instances. Make sure that

all instances have different operating systems. For instance, Ubuntu, Red

Hat Linux and Amazon Linux 2.

Go to AWS Console and Select the EC2 Service

Create Ubuntu EC2 -EFS Instance

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a software

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Click launch instance

A screenshot of a computer

Description automatically generated

Instance created

Now Go to EFS Service and create the EFS .

A computer screen shot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Click on create

A screenshot of a computer

Description automatically generated  
EFS created

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Click on Manage

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

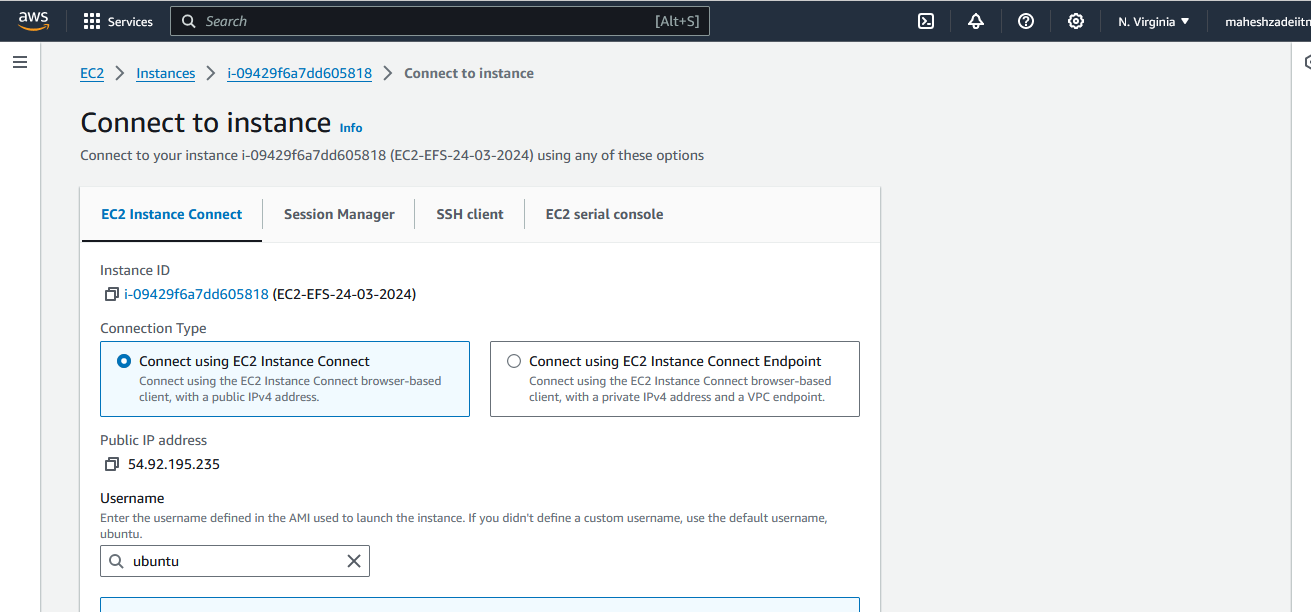
Remove old security group and add the EC2 instance security group and save

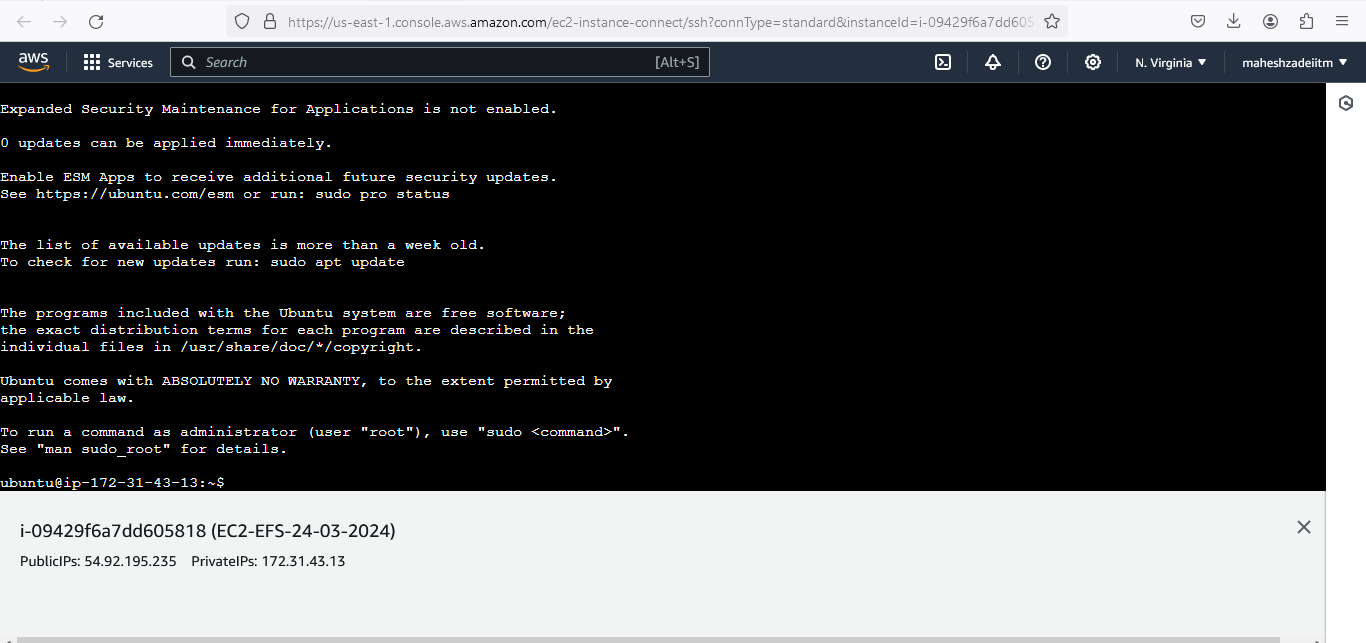
Below is the EC2 instance security group

A screenshot of a computer

Description automatically generated

Connect EC2 Instance





Update ubuntu by command

Sudo apt-get update

A screen shot of a computer

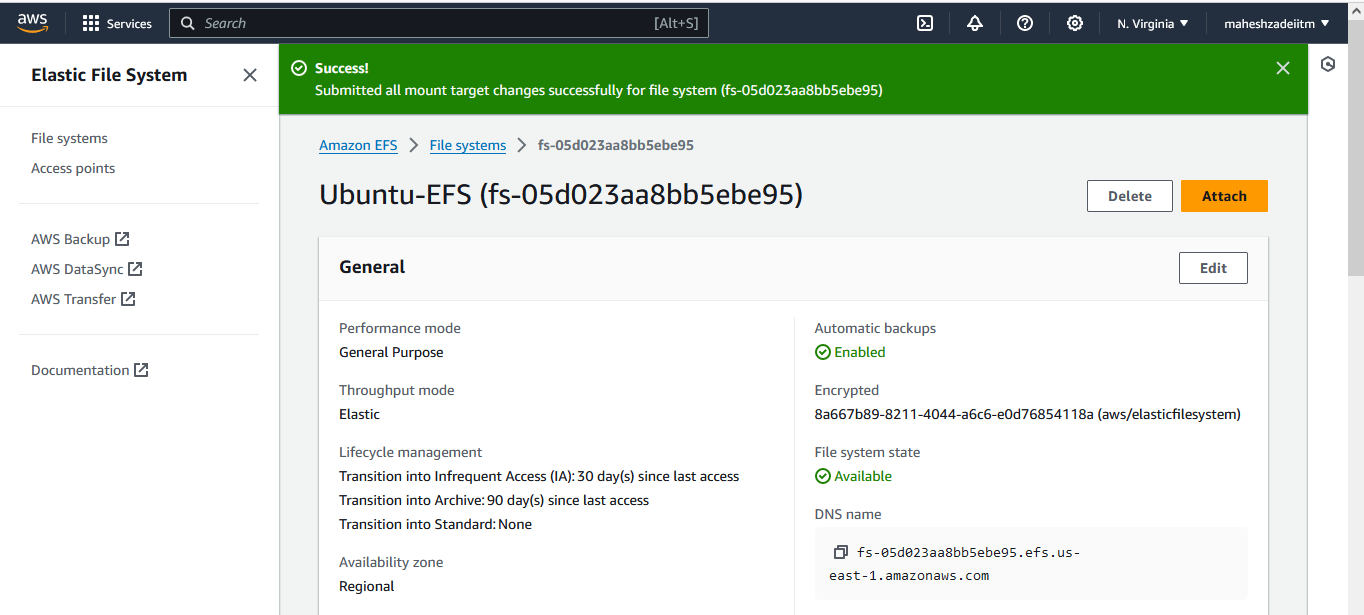
Description automatically generated

We need to connect to service we need to install NFS common.

A computer screen shot of a computer code

Description automatically generated

Now go to NFS

Cli

Click on attach

We are getting two options

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Go to EC2 ubuntu instance

Make the efs directory

A screenshot of a computer

Description automatically generated

Check with ls command

A screenshot of a computer

Description automatically generated

Go to EFS  
A screenshot of a computer

Description automatically generated

Copy nfs client

sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-05d023aa8bb5ebe95.efs.us-east-1.amazonaws.com:/ efs

paste in EC2 instacne

A screenshot of a computer

Description automatically generated