Assignment 1

Tasks to be performed:

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.

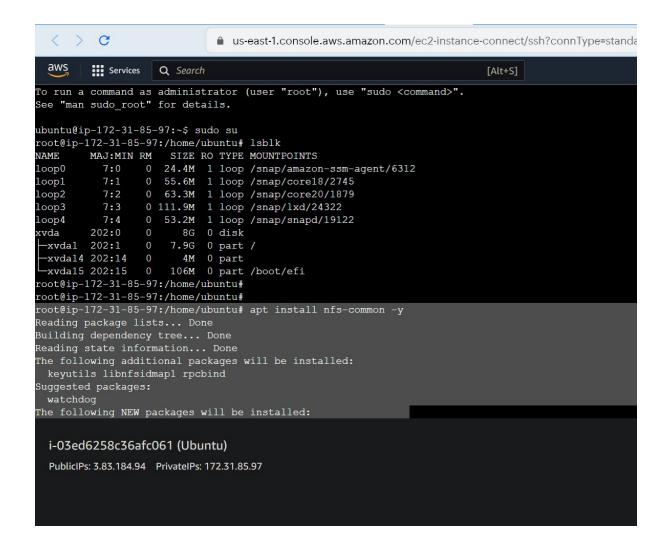
Solution:

Step 1:- Creating 3 EC2 Instances of Ubuntu, RedHat & Amazon Linux. Make sure to enable SSH & NFS port in the Security Groups for the EC2.

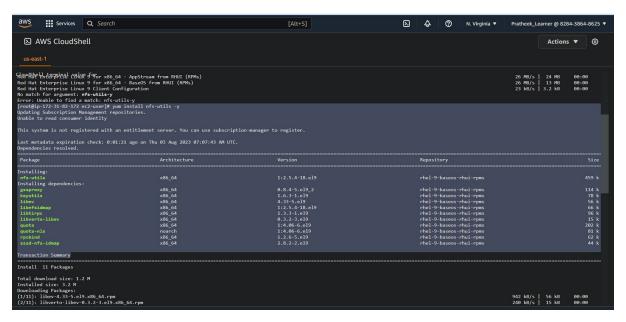


Step 2:- Run apt install nfs-common -y command in Ubuntu EC2 & sudo yum install nfs-utils -y command in RedHat EC2.

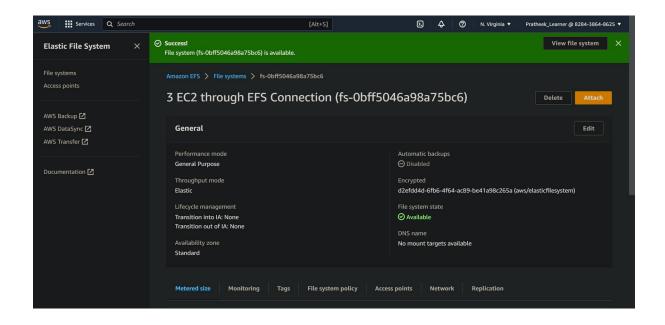
Ubuntu:



RedHat:



Step 3:- Create an EFS system for the above EC2



Step 4:- Create a directory in each instances so as to mount the EFS.

Step 5:- Then attach the EFS using the command provided in the attach section of EFS.

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Services
                  Q Search
                                                                  [Alt+S]
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      _/m/'
-east-1.amazonaws.com:/ efs-al
[root@ip-172-31-87-21 ec2-user]# lsblk
        MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
                0 8G 0 disk
0 8G 0 part /
0 1M 0 part
0 10M 0 part
       202:0
202:1
vda
 -xvda1
 -xvda127 259:0
 -xvda128 259:1
root@ip-172-31-87-21 ec2-user]# df -h
                                                   Used Avail Use% Mounted on
Filesystem
                                              Size
                                                         4.0M
475M
devtmpfs
                                               4.0M
                                                               0% /dev
                                                                0% /dev/shm
tmpfs
mpfs
                                               190M
                                                    2.8M
                                                         188M
                                                         6.5G 19% /
475M 0% /tmp
                                                   1.5G
/dev/xvda1
                                               8.0G
                                                         475M
tmpfs
                                               475M
                                               95M
                                                                0% /run/user/1000
fs-Obff5046a98a75bc6.efs.us-east-1.amazonaws.com:/ 8.0E
                                                                0% /home/ec2-user/efs-al
[root@ip-172-31-87-21 ec2-user]#
 i-0e1b562a4f78a271f (Amazon Linux)
 PublicIPs: 52.91.18.207 PrivateIPs: 172.31.87.21
```

Step 6:- Create a file in one of the EC2 instance inside the EFS mount point folder & the file should appear on all the other EC2 EFS mount file points.

