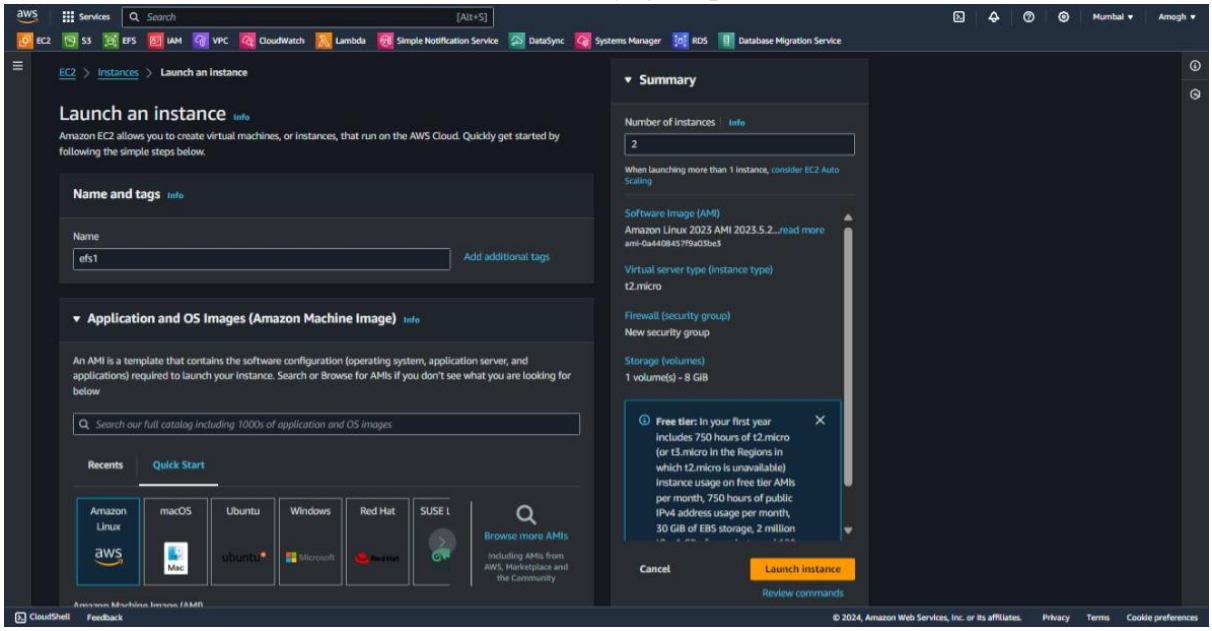
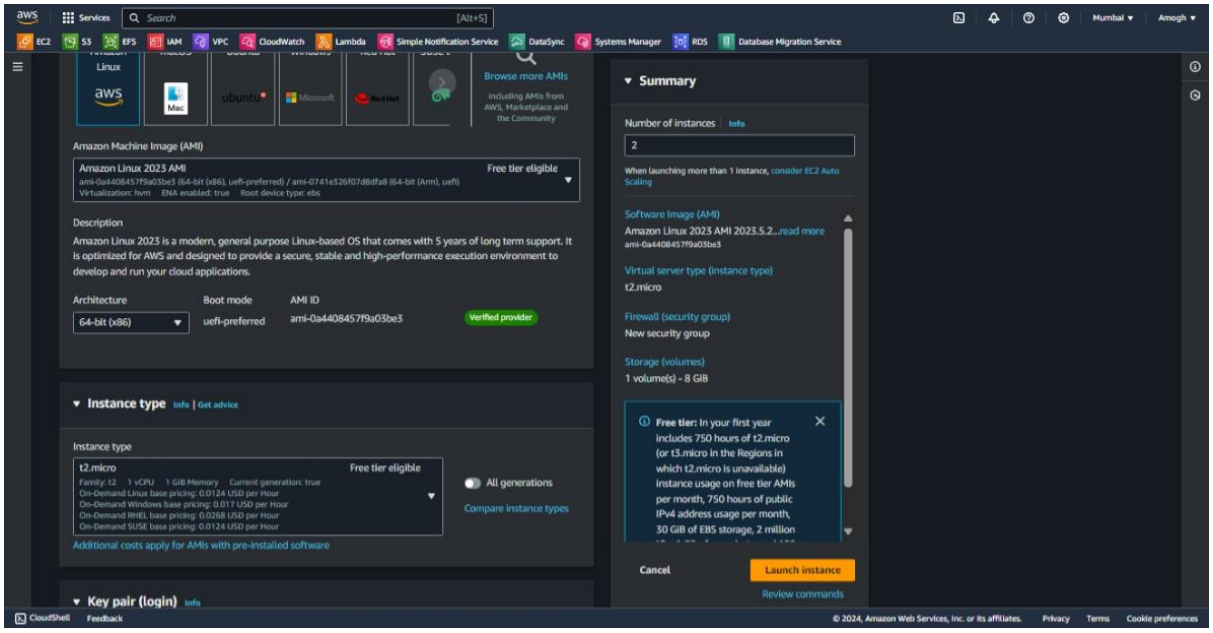
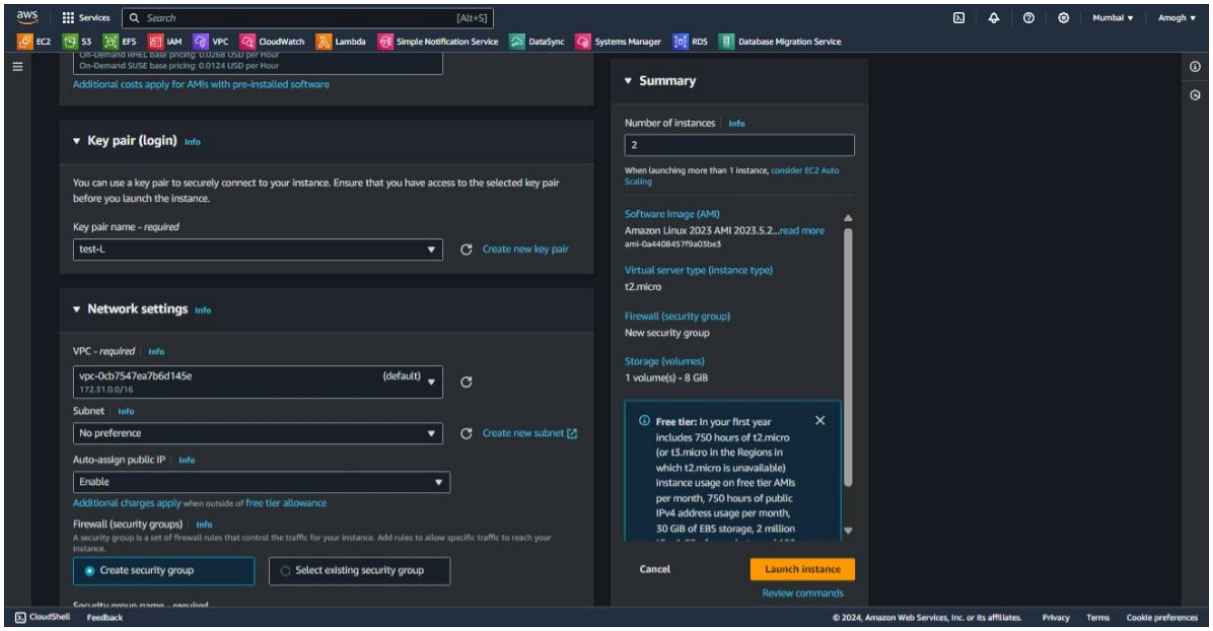
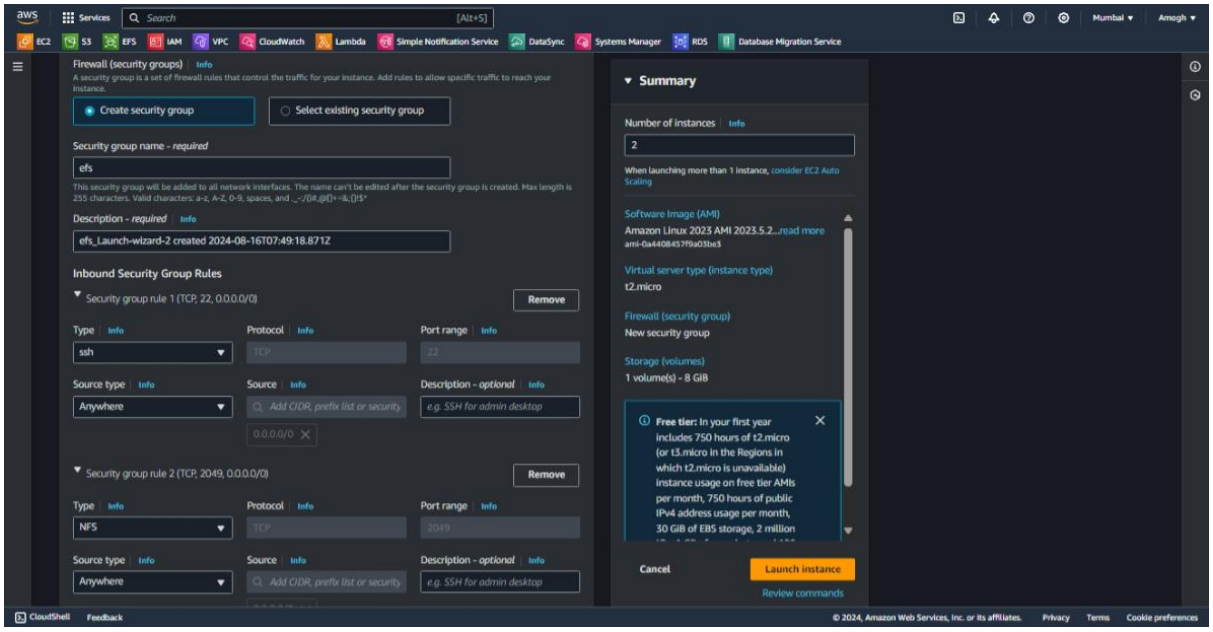
- Create 2 Ec2 instances with same security group.

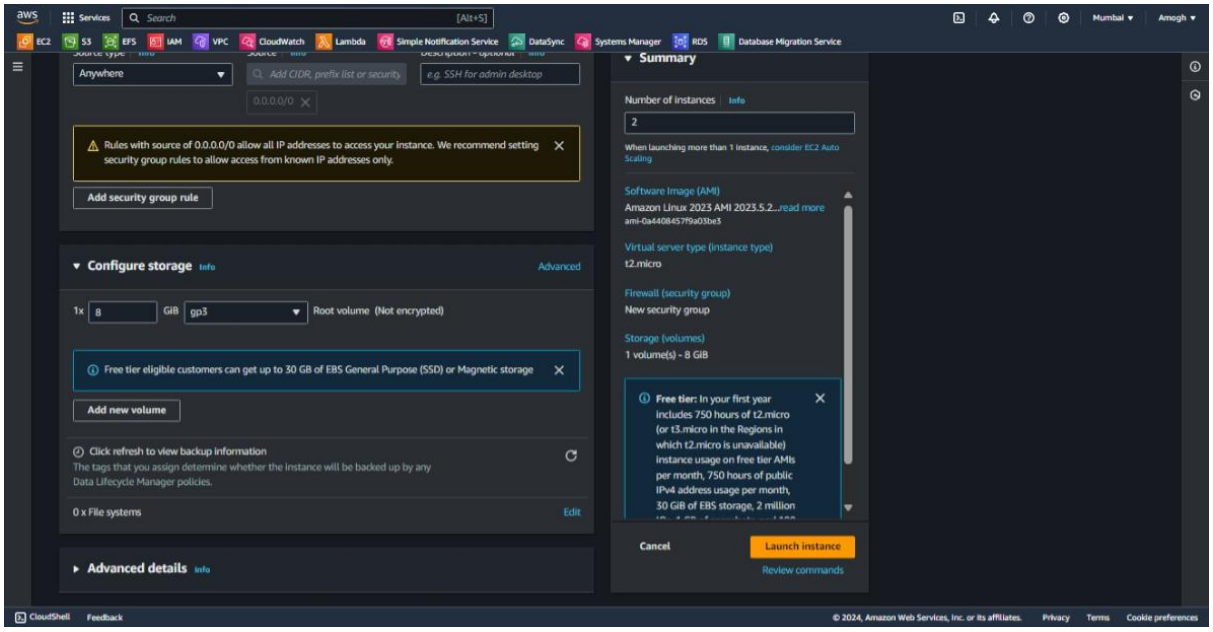




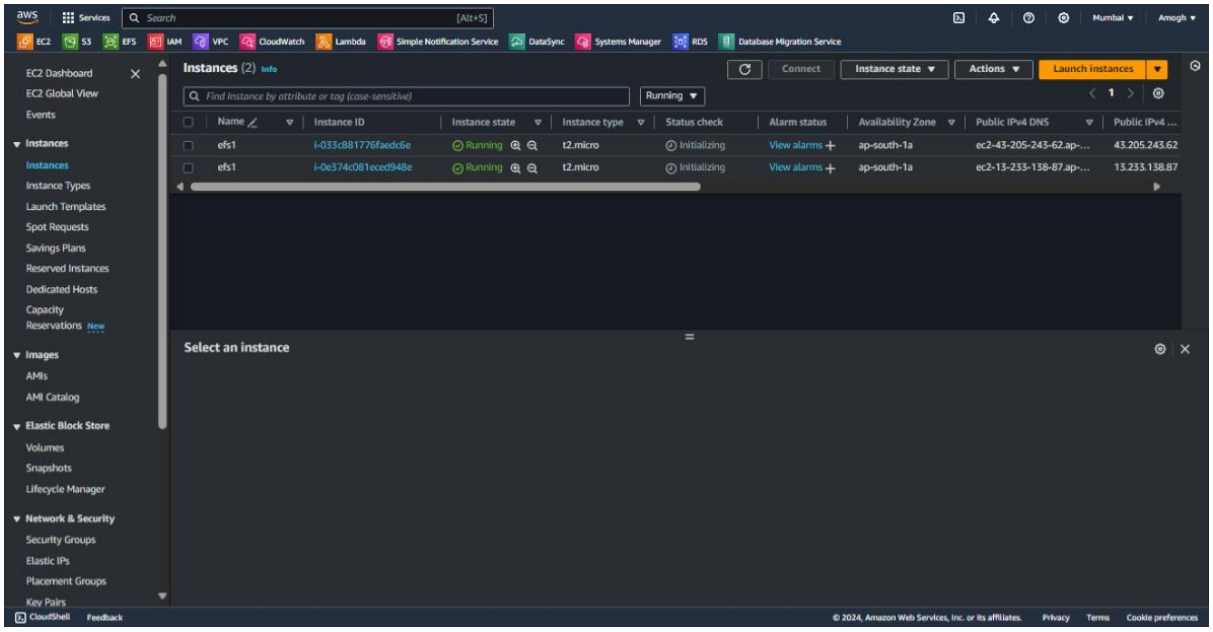


- Allow NFS port in this security group

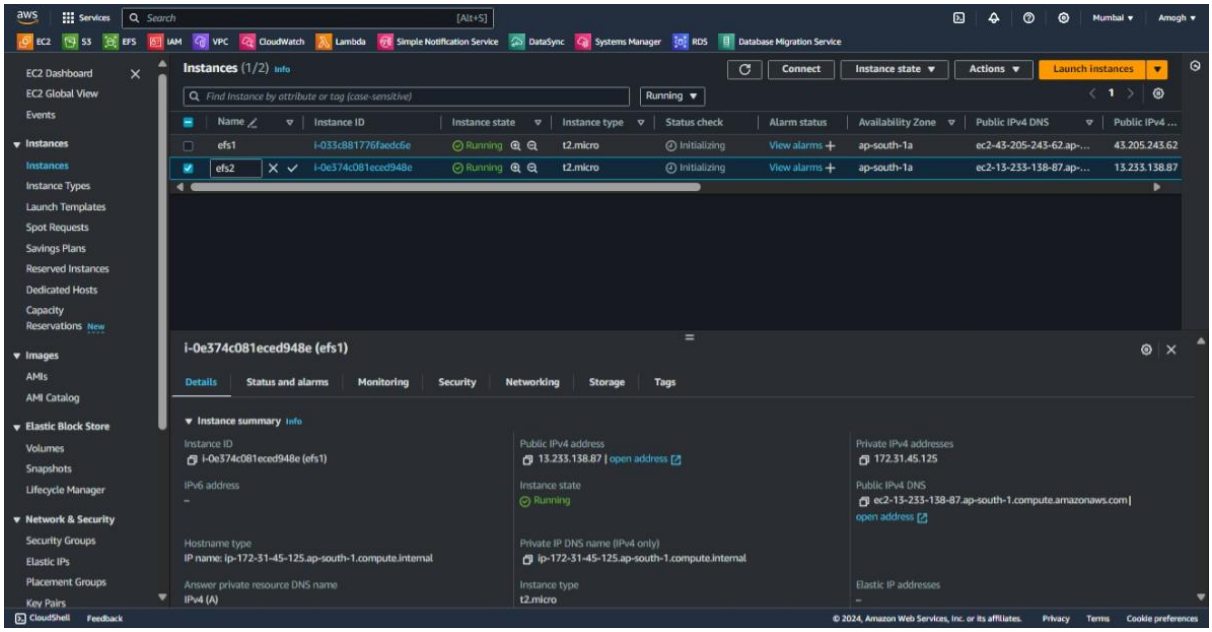




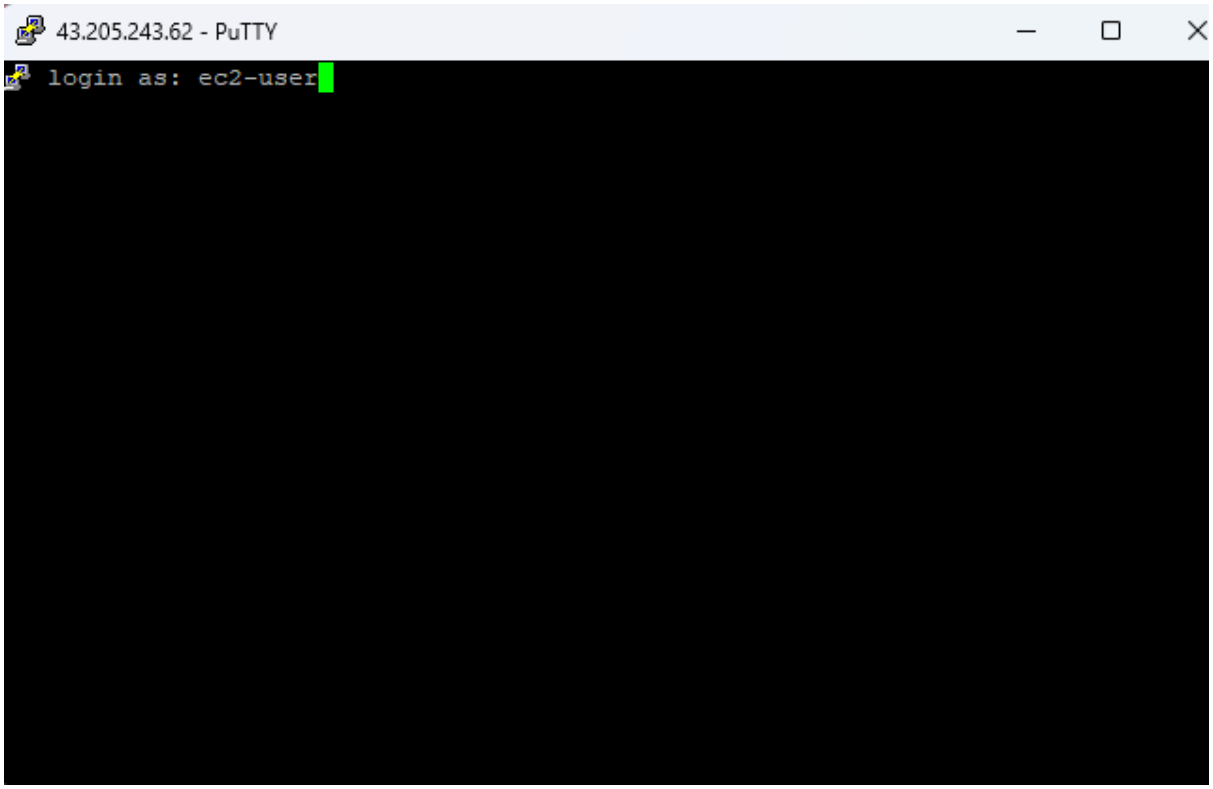
- Now, 2 Ec2 instances are created



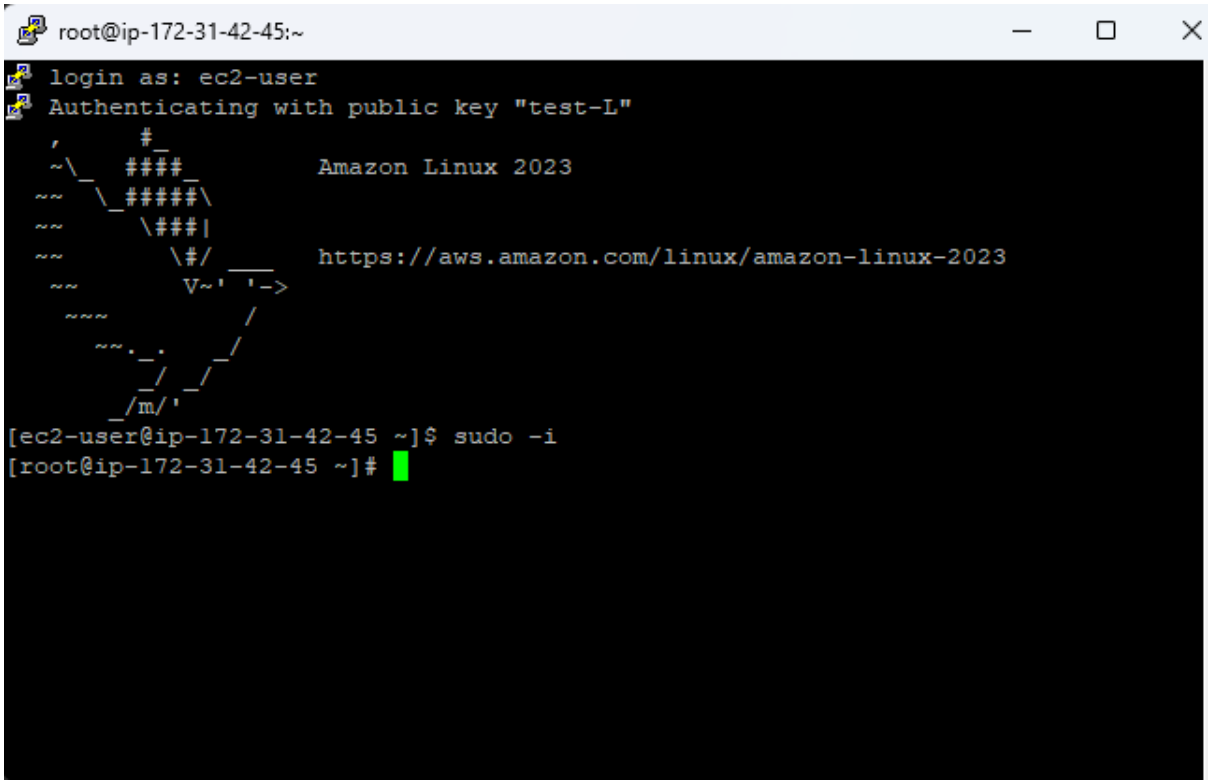
- For no confusion change one of the instance name as efs2.



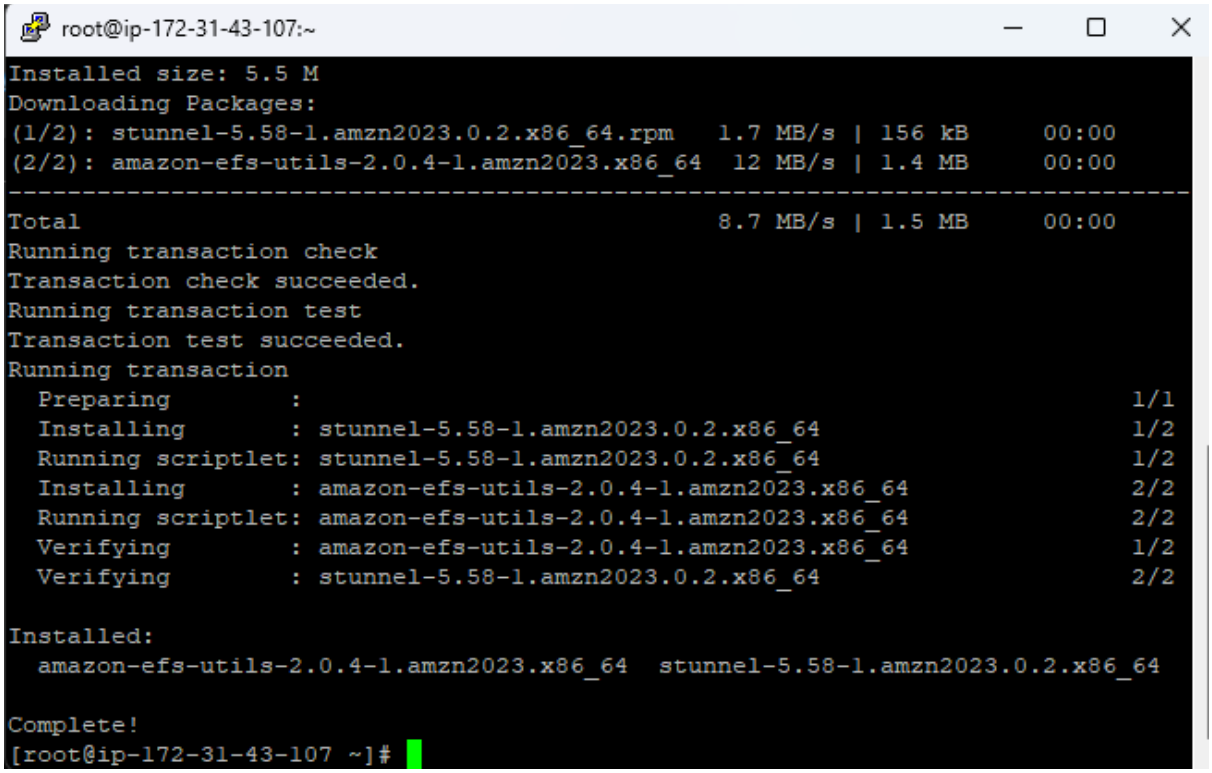
- Login to 1st Ec2 instance through PuTTy .i.e efs1



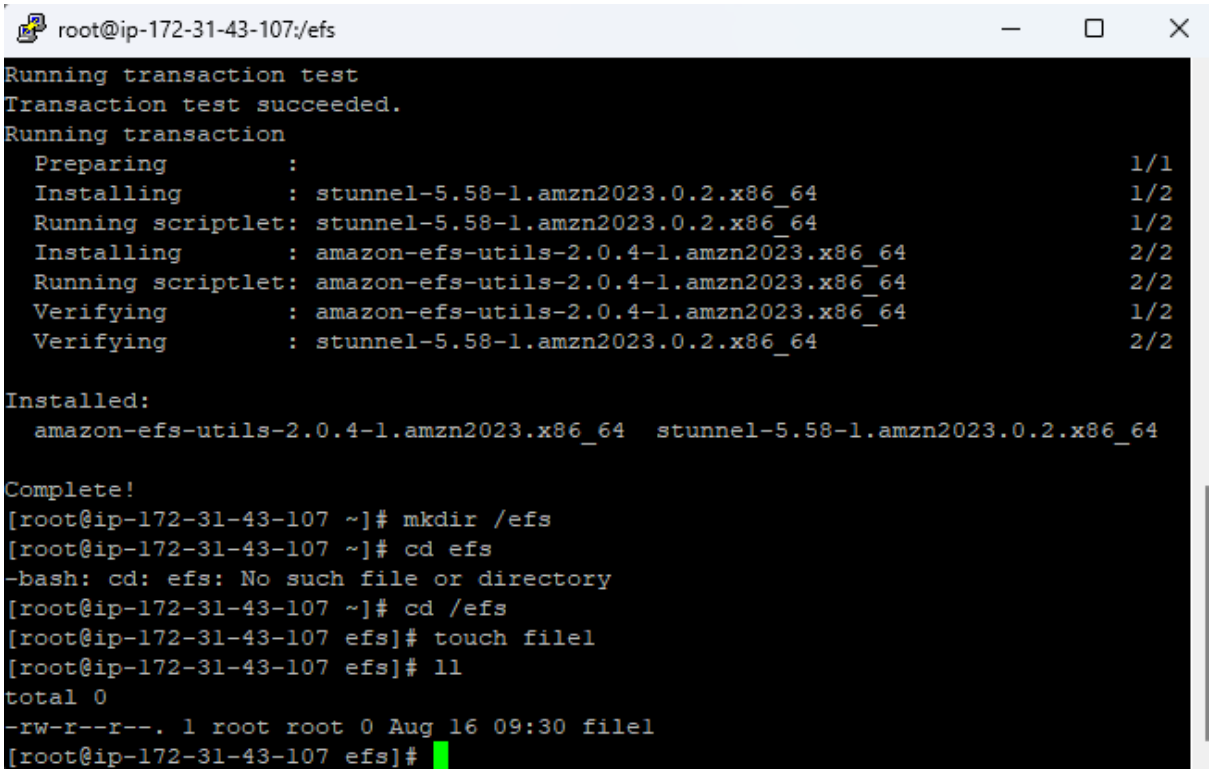
- Go to administrator access by typing "**sudo-i**" command



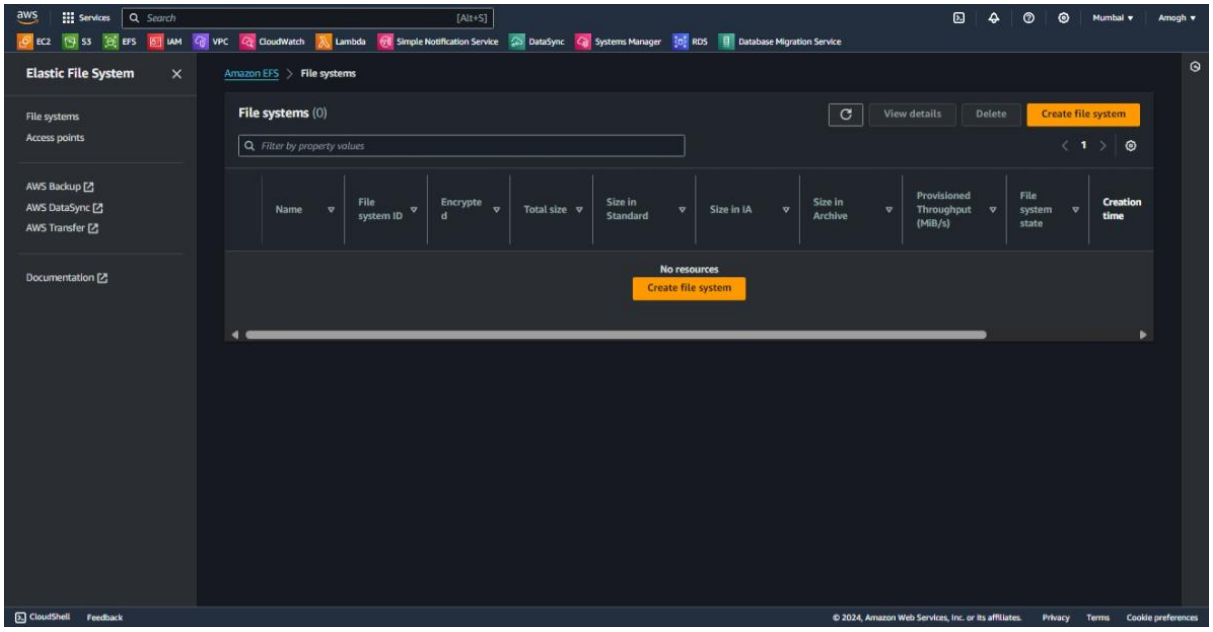
- Install Efs storage in instance by typing "**yum install amazon-efs-utils -y**" or without sudo access we can directly give the following command "**sudo yum install amazon-efs-utils -y**"



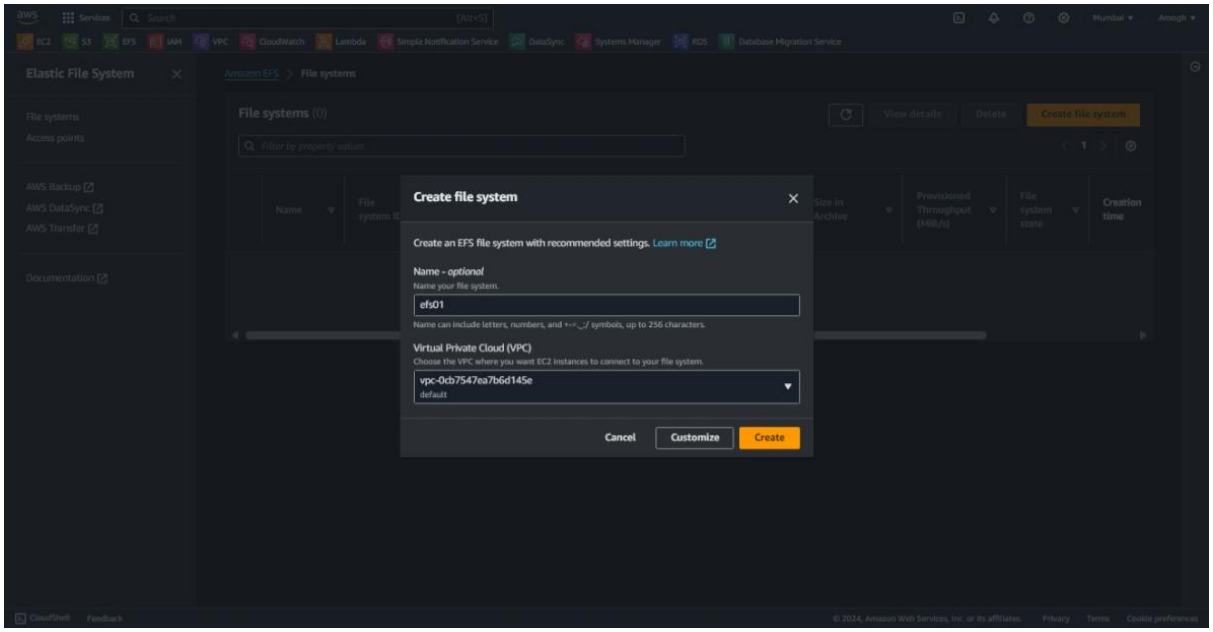
- Create a directory for accessing the file(s) through another instance.

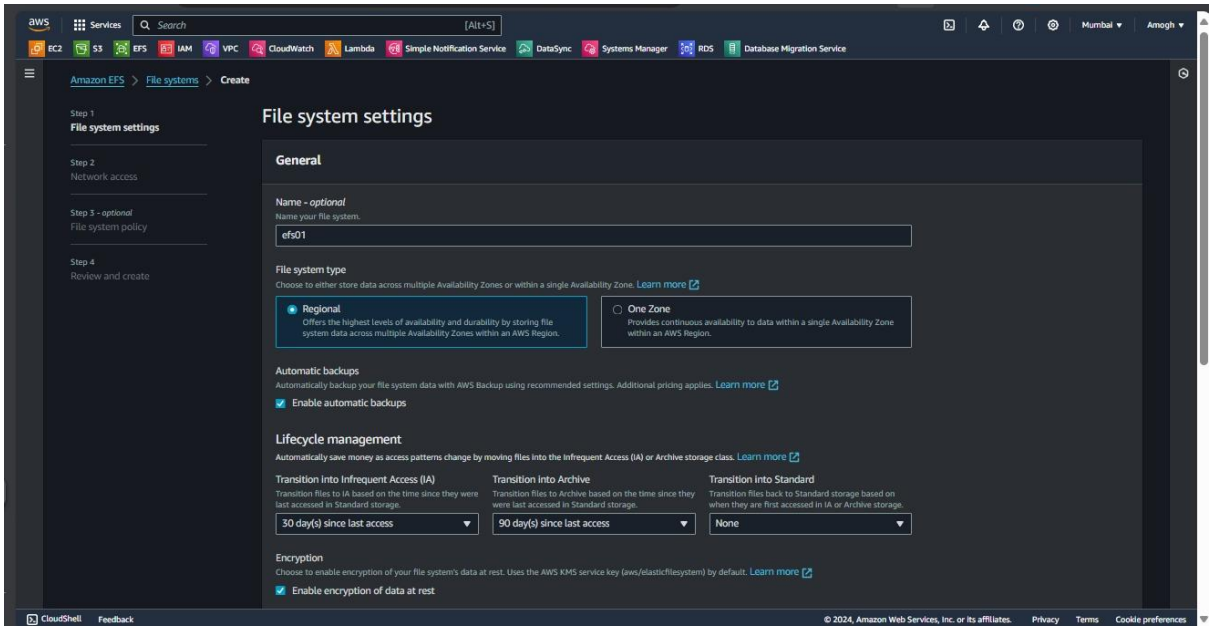


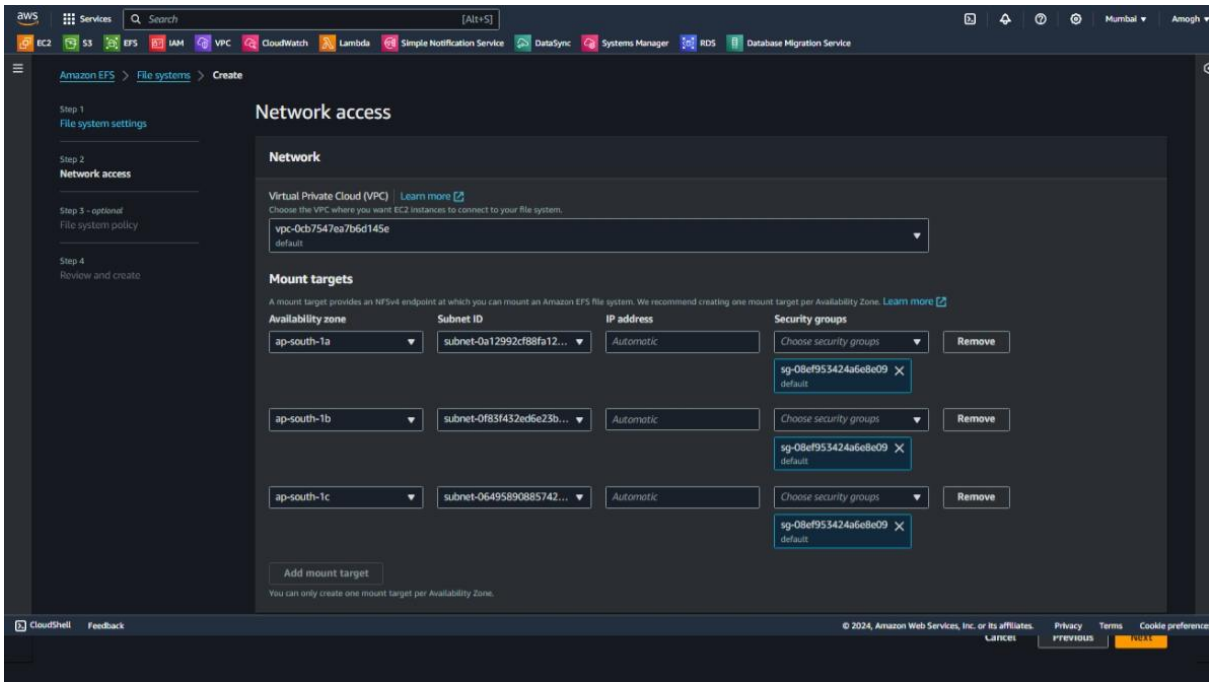
➢ Now we should go-to Aws Console and navigate to Efs.



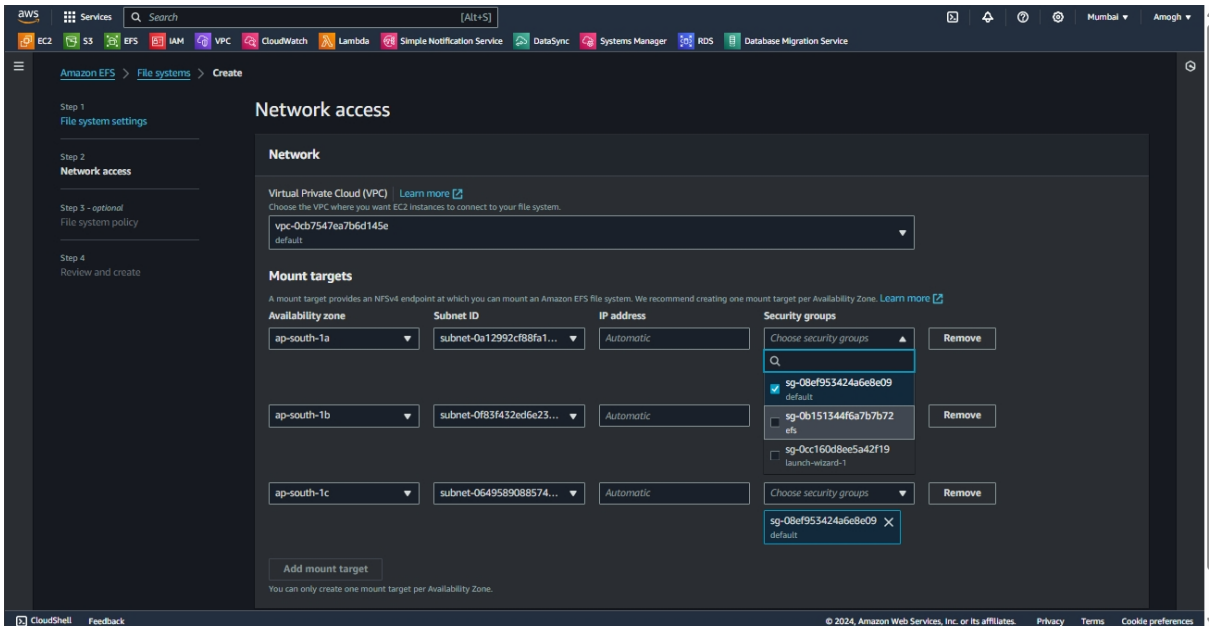
➢ Create an efs File system and click customize

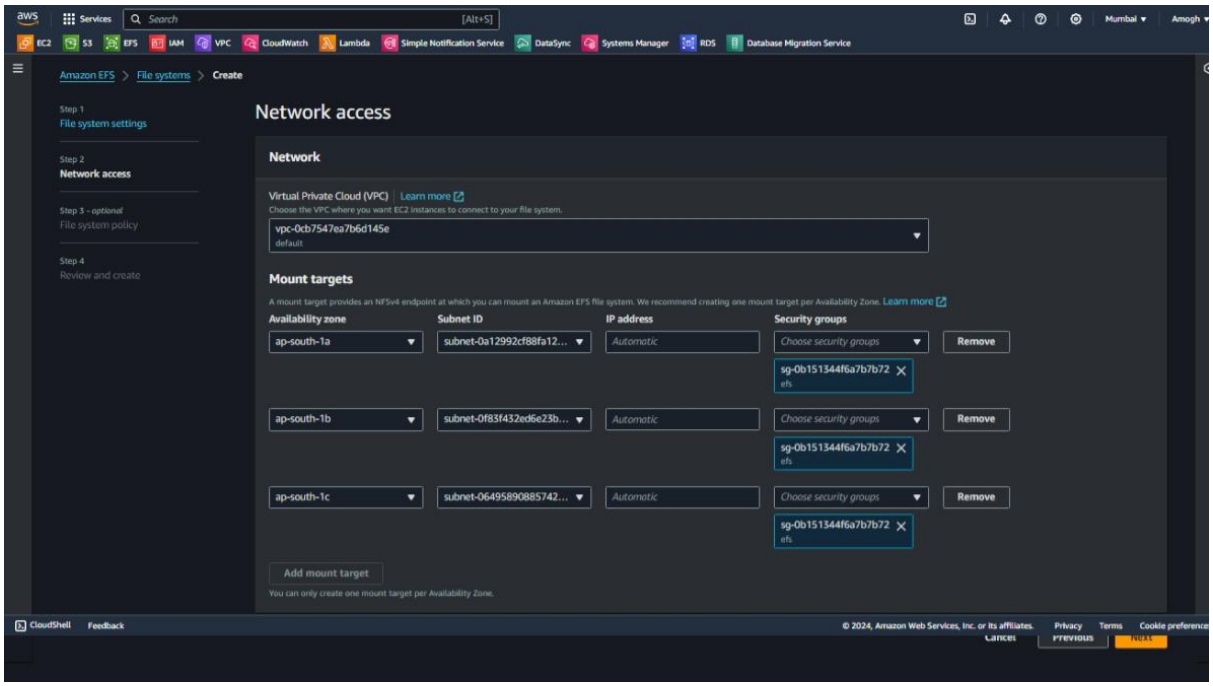



Amazon EFS > File systems > Create
Step 1
File system settings
Step 2
Network access
Step 3 - optional
File system policy
Step 4
Review and create
File system settings
General
Name - optional
Name your file system.
efs01
File system type
Choose to either store data across multiple Availability Zones or within a single Availability Zone. Learn more
Regional
Offers the highest levels of availability and durability by storing file system data across multiple Availability Zones within an AWS Region.
One Zone
Provides continuous availability to data within a single Availability Zone within an AWS Region.
Automatic backups
Automatically backup your file system data with AWS Backup using recommended settings. Additional pricing applies. Learn more
Enable automatic backups
Lifecycle management
Automatically save money as access patterns change by moving files into the Infrequent Access (IA) or Archive storage class. Learn more
Transition into Infrequent Access (IA)
Transition files to IA based on the time since they were last accessed in Standard storage.
30 day(s) since last access
Transition into Archive
Transition files to Archive based on the time since they were last accessed in Standard storage.
90 day(s) since last access
Transition into Standard
Transition files back to Standard storage based on when they are first accessed in IA or Archive storage.
None
Encryption
Choose to enable encryption of your file system's data at rest. Uses the AWS KMS service key (aws/elasticfilesystem) by default. Learn more
Enable encryption of data at rest
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

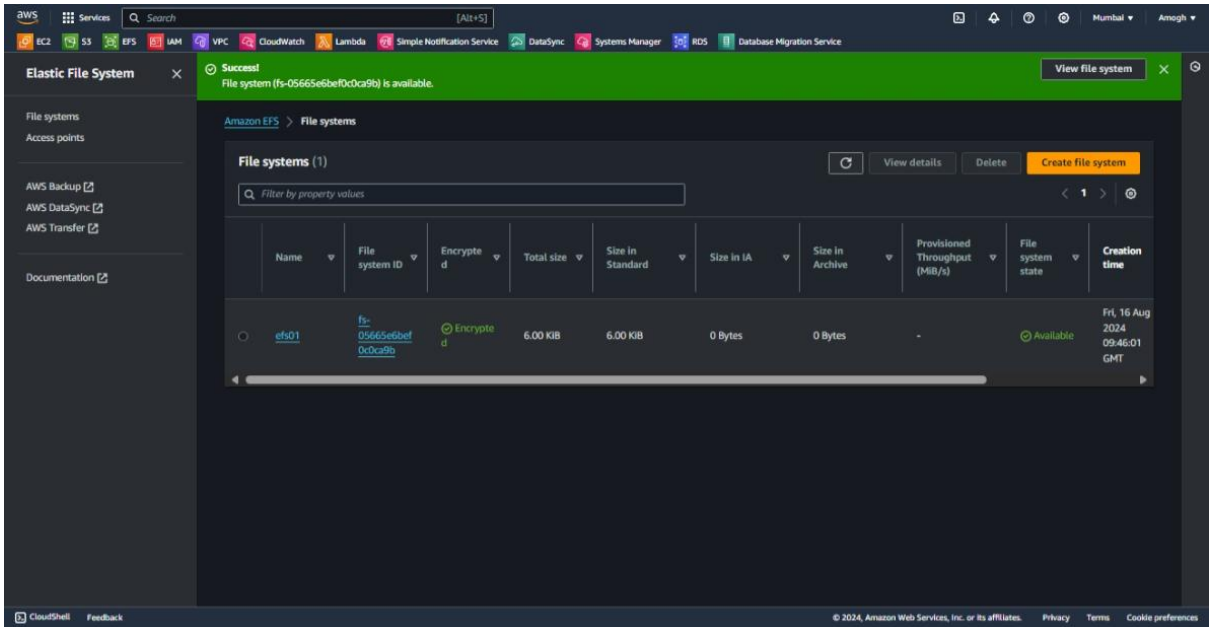

Amazon EFS > File systems > Create
Step 1
File system settings
Step 2
Network access
Step 3 - optional
File system policy
Step 4
Review and create
Network access
Network
Virtual Private Cloud (VPC) | Learn more
Choose the VPC where you want EC2 instances to connect to your file system.
vpc-0cb7547ea7b6d145e
default
Mount targets
A mount target provides an NFSv4 endpoint at which you can mount an Amazon EFS file system. We recommend creating one mount target per Availability Zone. Learn more
Availability zone
Subnet ID
IP address
Security groups
ap-south-1a
subnet-0a12992cf88fa12...
Automatic
Choose security groups
Remove
sg-08ef953424a6e8e09
default
ap-south-1b
subnet-0f83f432ed6e23b...
Automatic
Choose security groups
Remove
sg-08ef953424a6e8e09
default
ap-south-1c
subnet-06495890885742...
Automatic
Choose security groups
Remove
sg-08ef953424a6e8e09
default
Add mount target
You can only create one mount target per Availability Zone.
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Cancel
Previous
Next

- In the 2nd step it will take default Security Group(SG), but here we created a separate Security group(Sg) so we need to edit and set the three security group of Availabity Zones(Az) to our efs security groups.

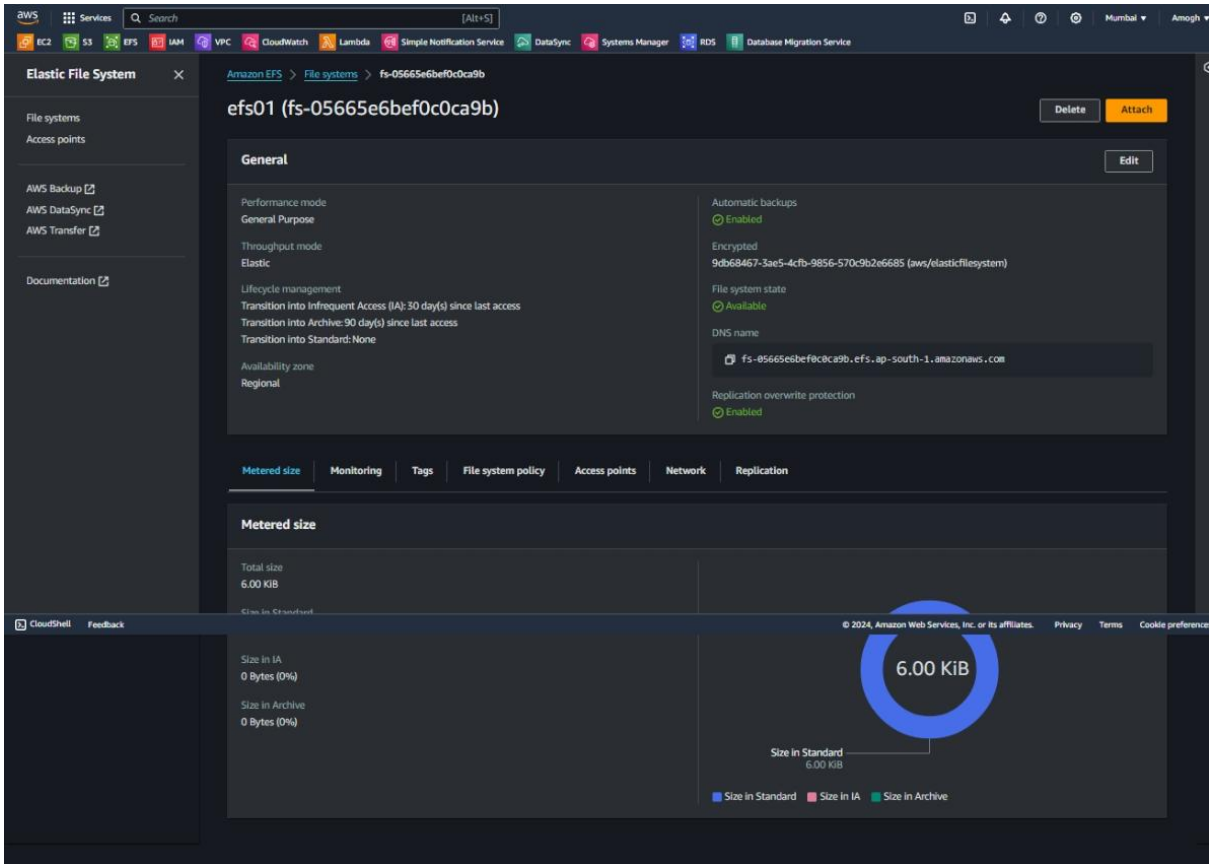


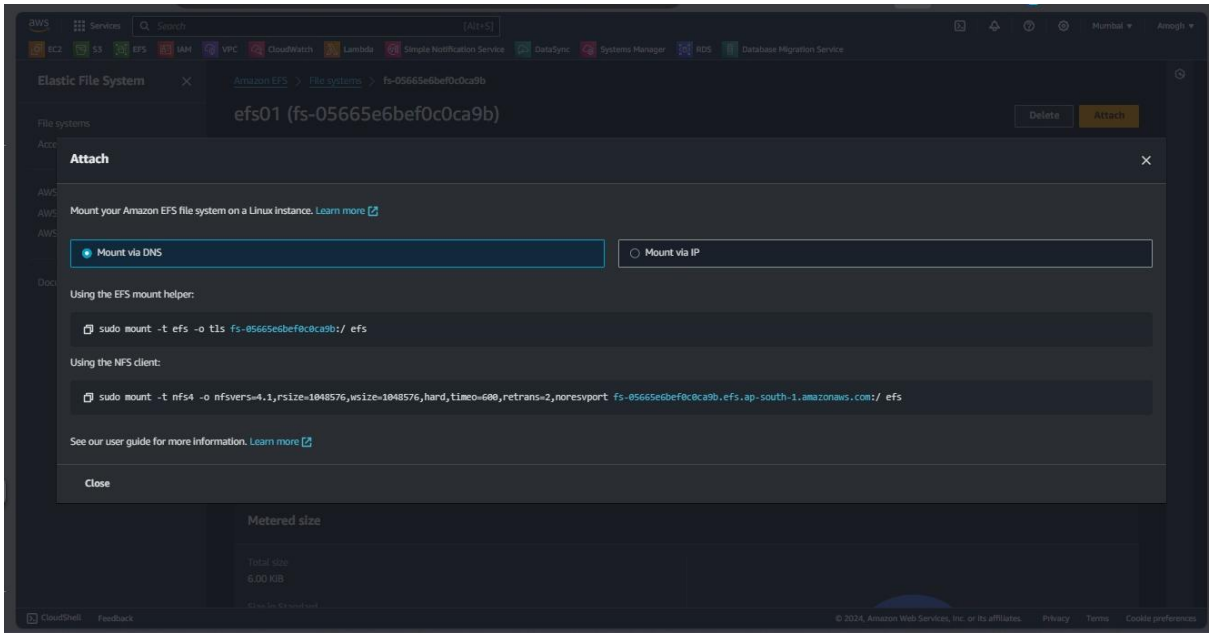


➢ Click next ▸ Next and Finish.



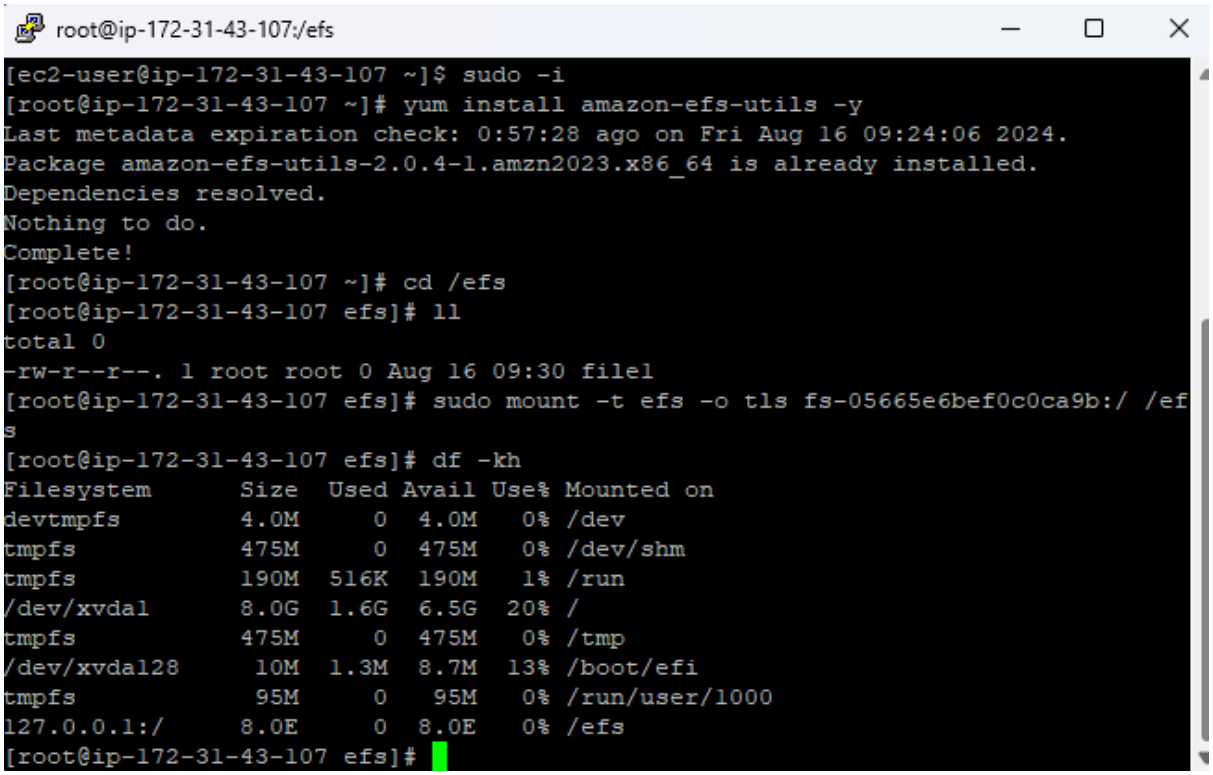
➢ Copy mount command from efs in Attach popup and run



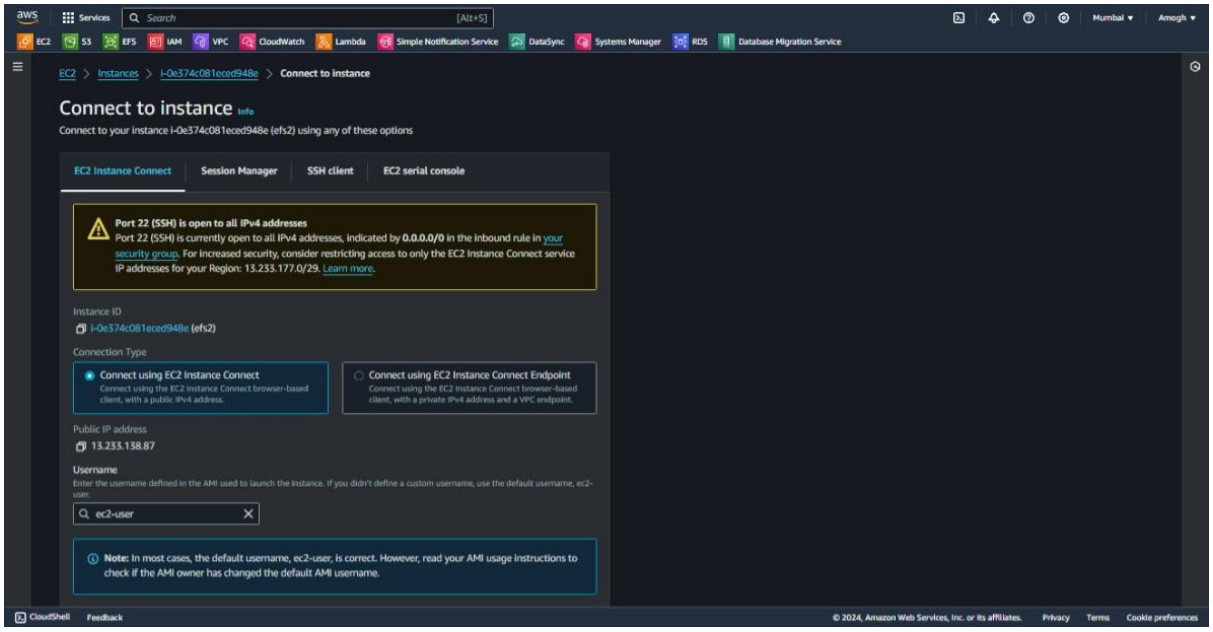


It takes some time(few moments) to execute

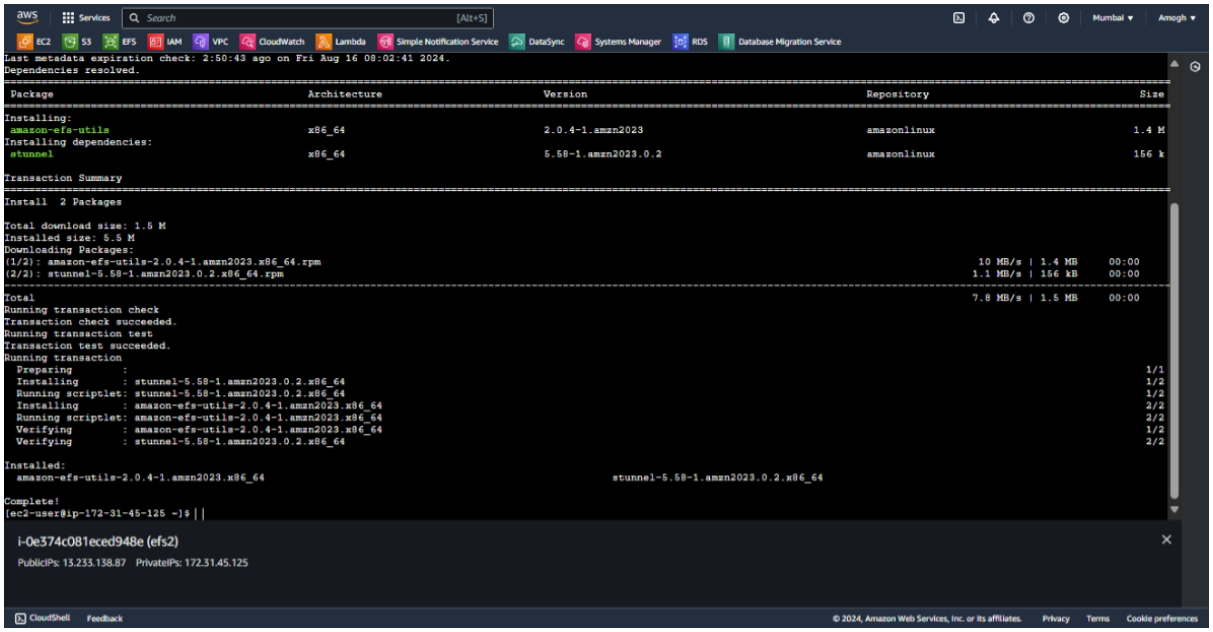
➢ To check whether the efs storage is mounted, we have a command "**df -kh**"



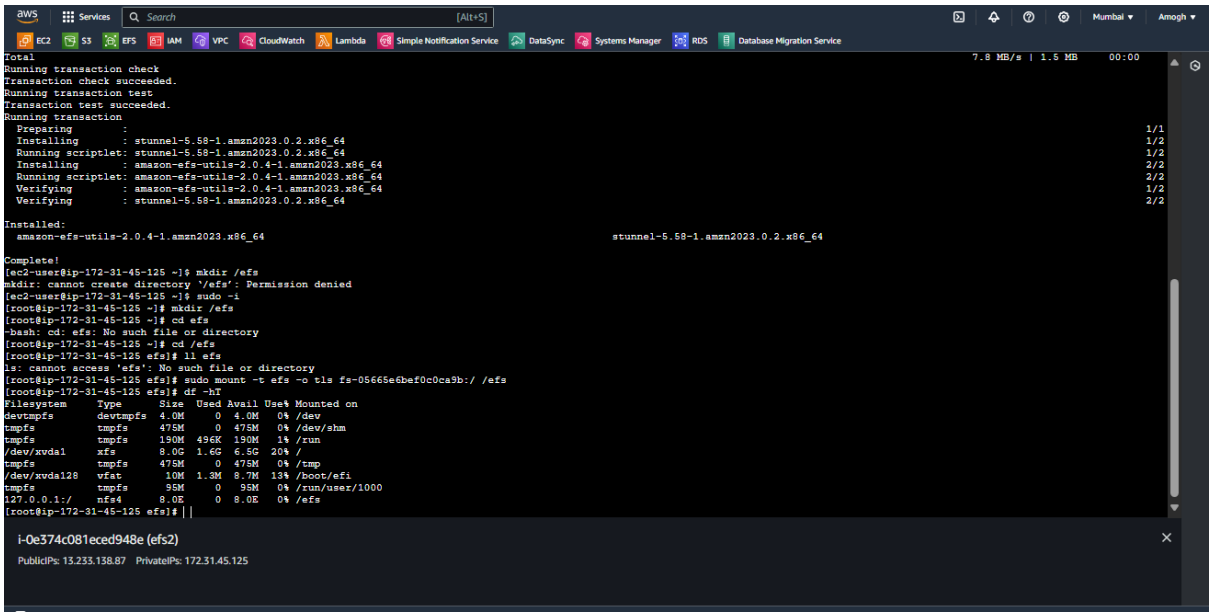
- Now go to 2nd Ec2 instance and login to it



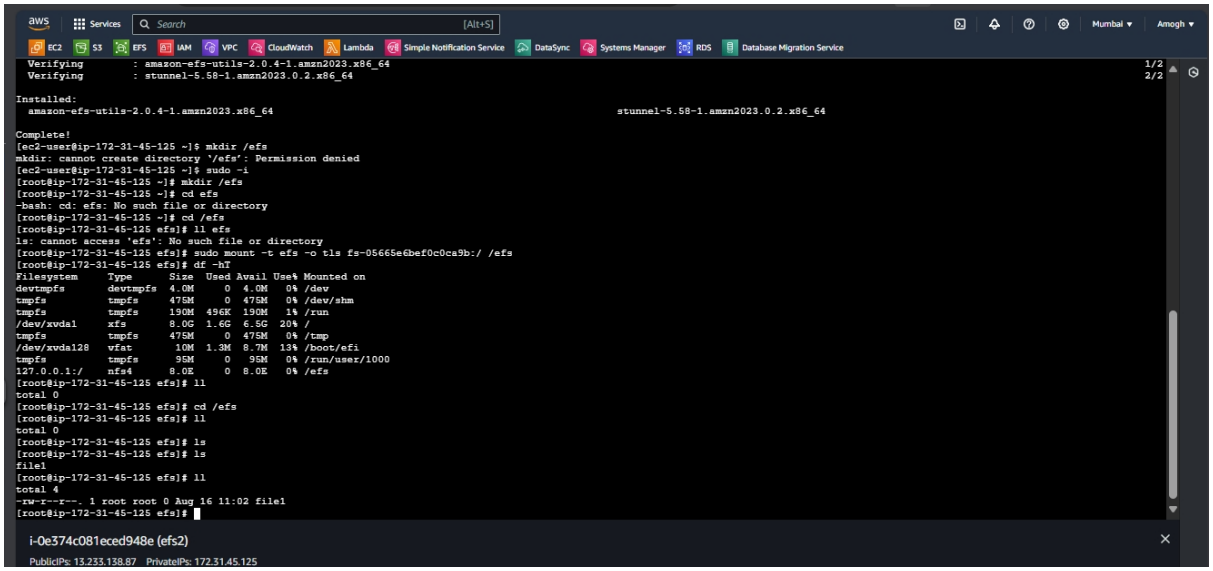
- Now install amazon Efs in instance and mount efs.



- As mentioned above for checking whether the Efs storage is mounted, we can use other command to other than **df -kh**, "**df -hT**" command can also be used.



- Below we can see the file(file1) created in 1st Ec2 instance



➢ Here we created file using **touch** command **“touch file2”**