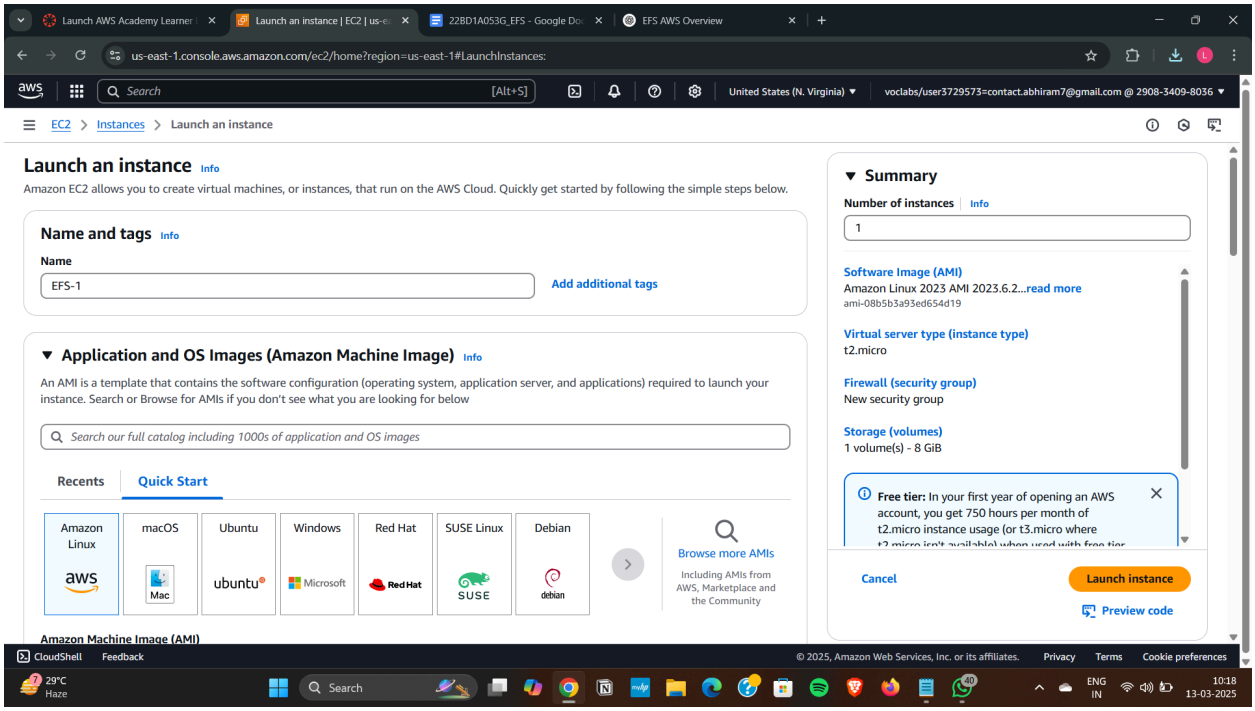
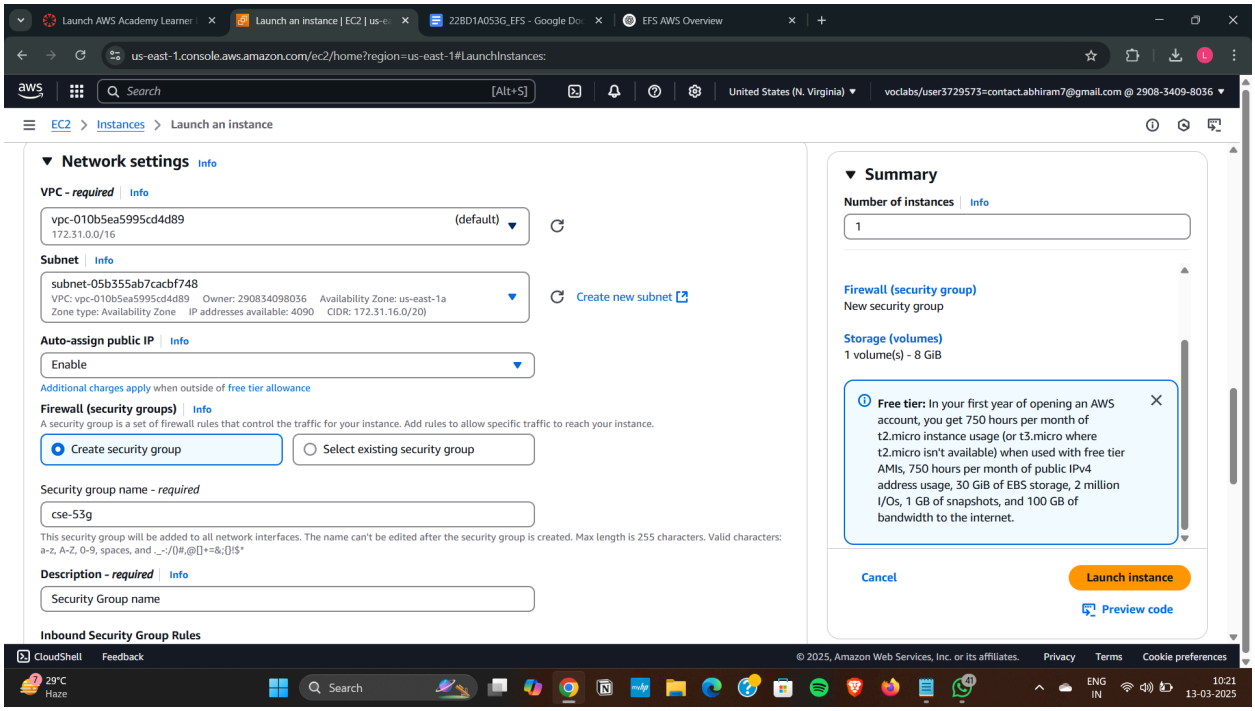
EFS

Amazon Elastic File System (EFS) is a scalable, fully managed file storage service for use with AWS cloud and on-premises resources. It provides a simple, serverless, and elastic file system that automatically grows and shrinks as files are added or removed, eliminating the need for capacity management. EFS supports NFS (Network File System) protocol, making it ideal for applications requiring shared access to data across multiple instances. It is highly available, durable, and offers different performance modes, including standard and infrequent access, to optimize cost and performance.

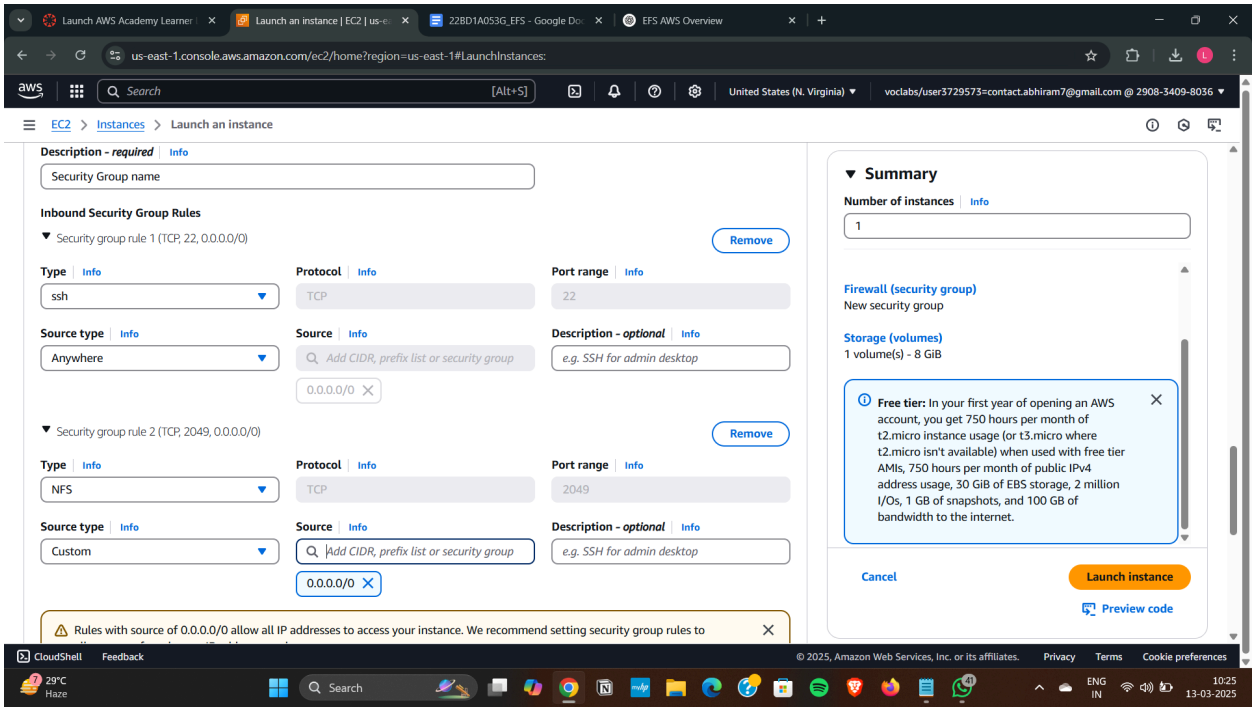
1. Create the First Instance (EFS - 1) and give it a name and use default settings.



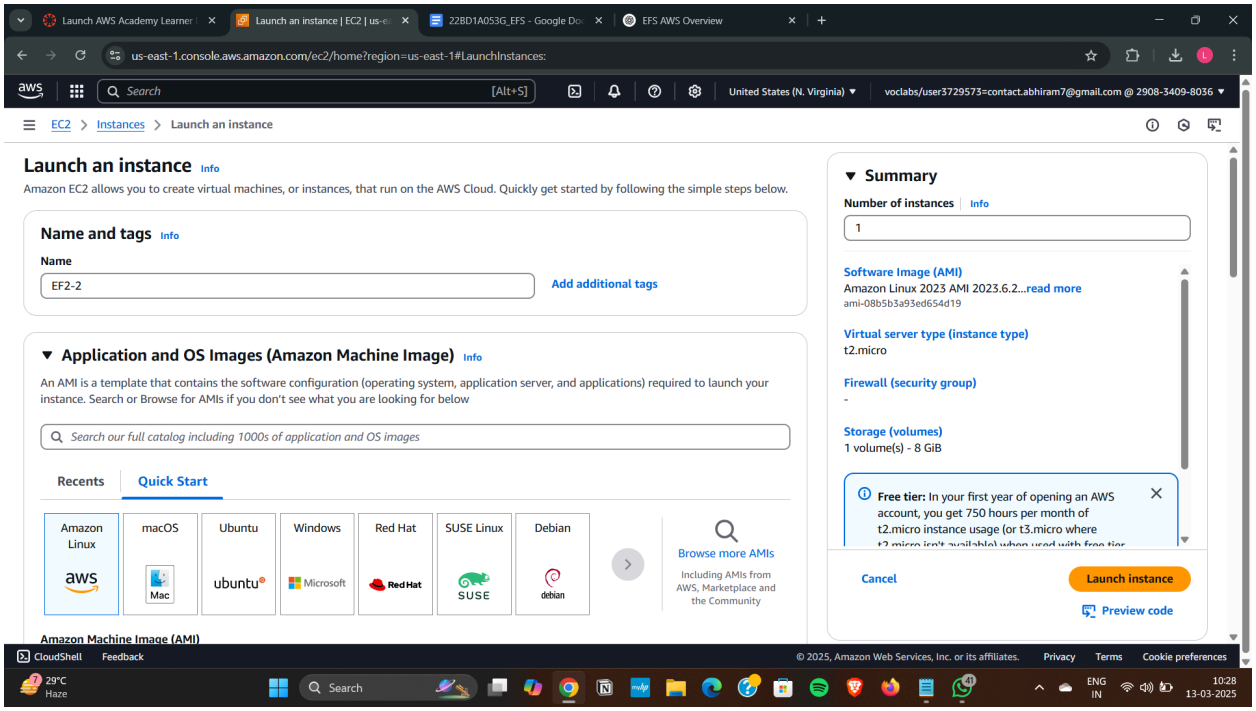
2. Edit Network Settings by selecting a subnet and give it a security group name and description.



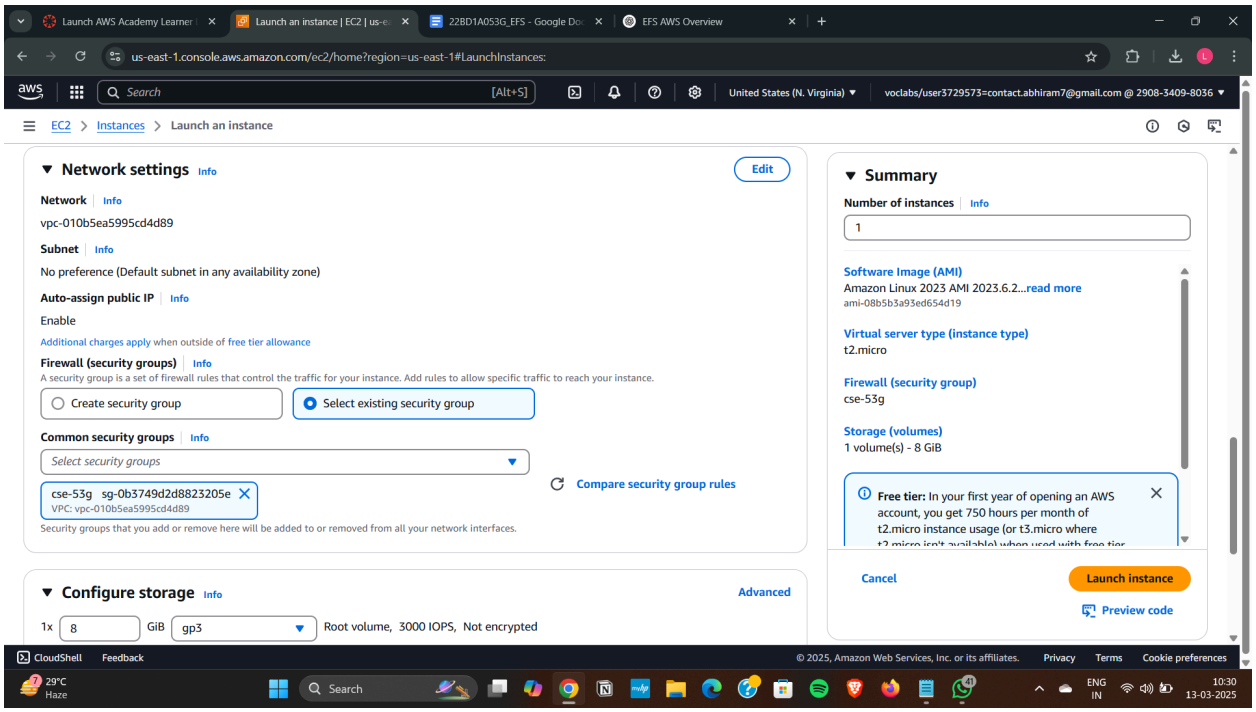
3. Add security group Rule and and select NFS and source as 0.0.0.0/0 and launch the instance.



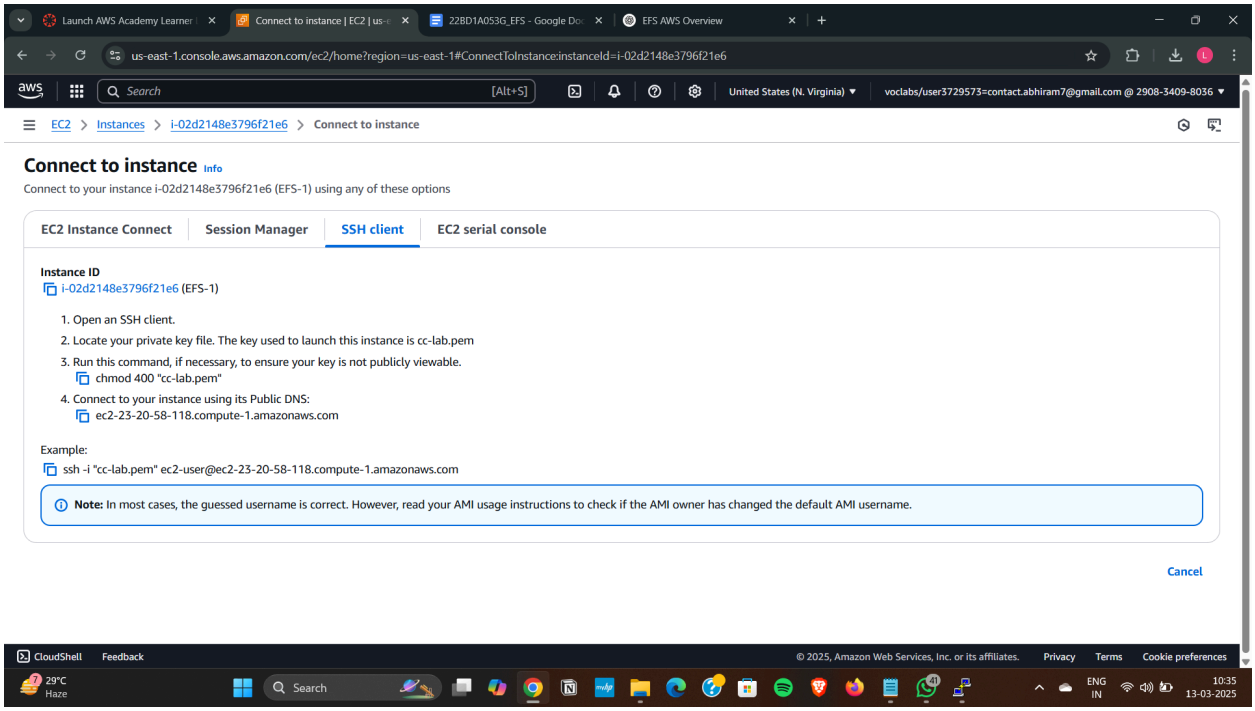
4. Create another instance EFS-2

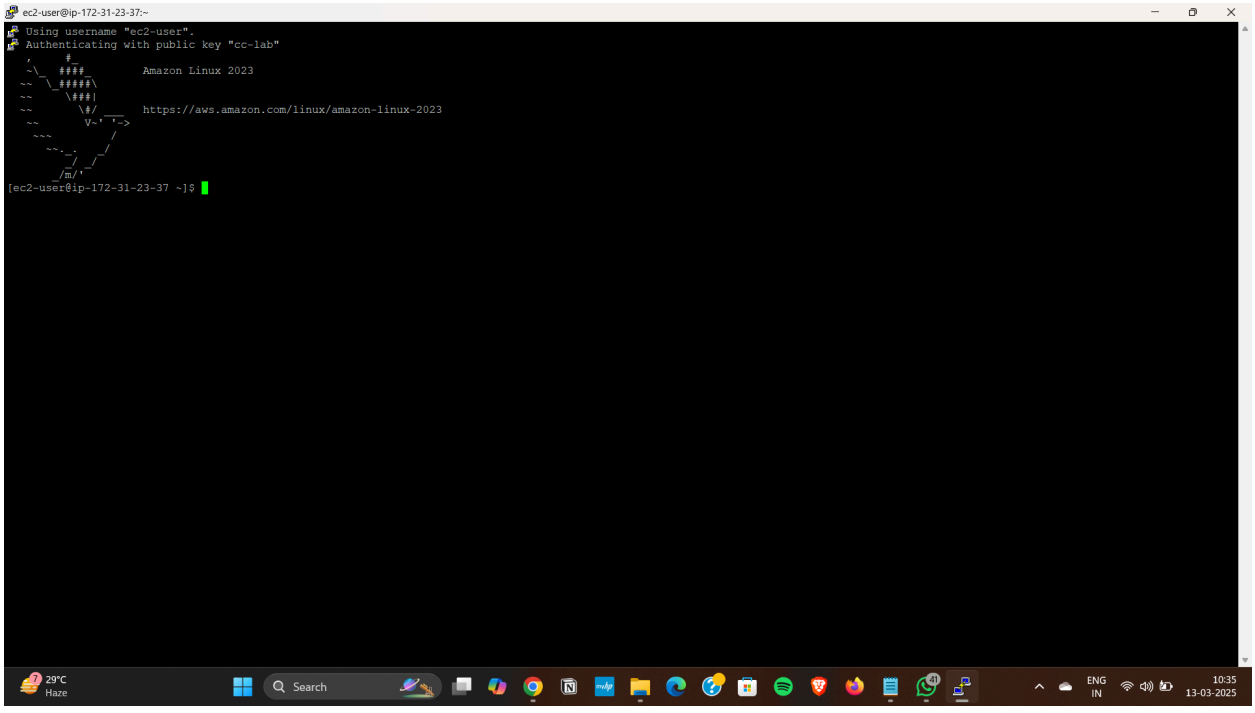


5. In the Network Settings, Select the existing Security Group as specified in previous instance

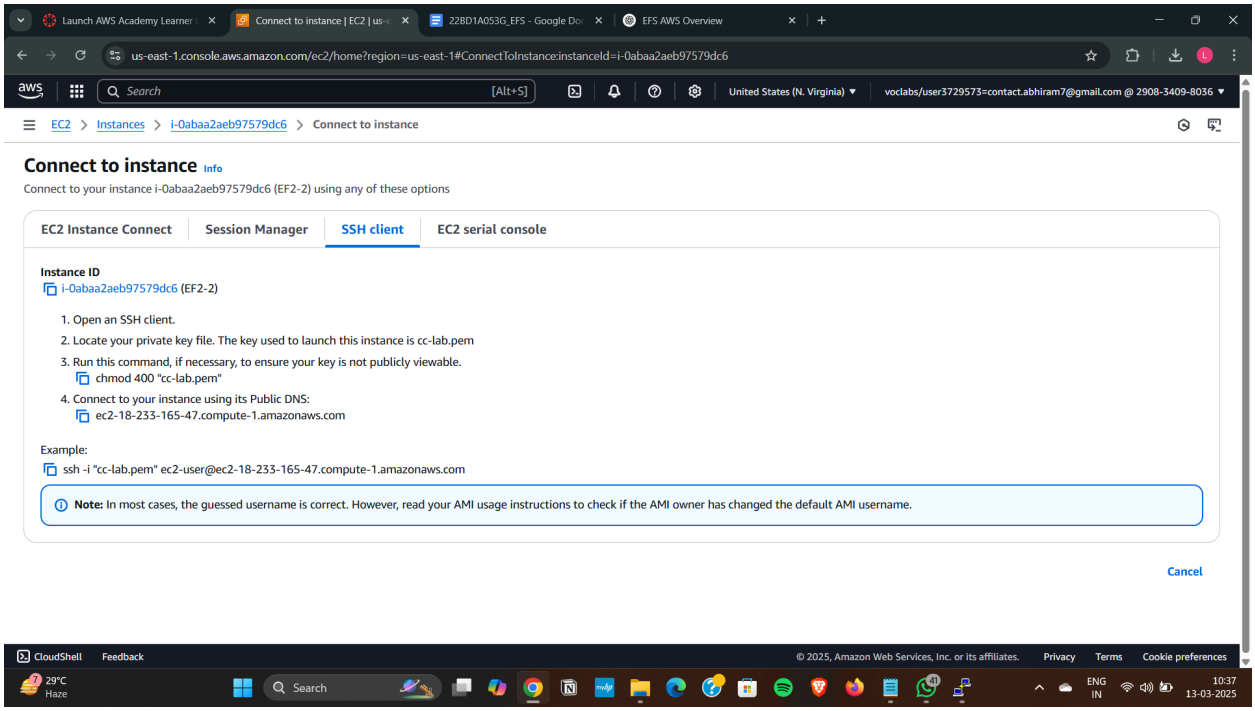


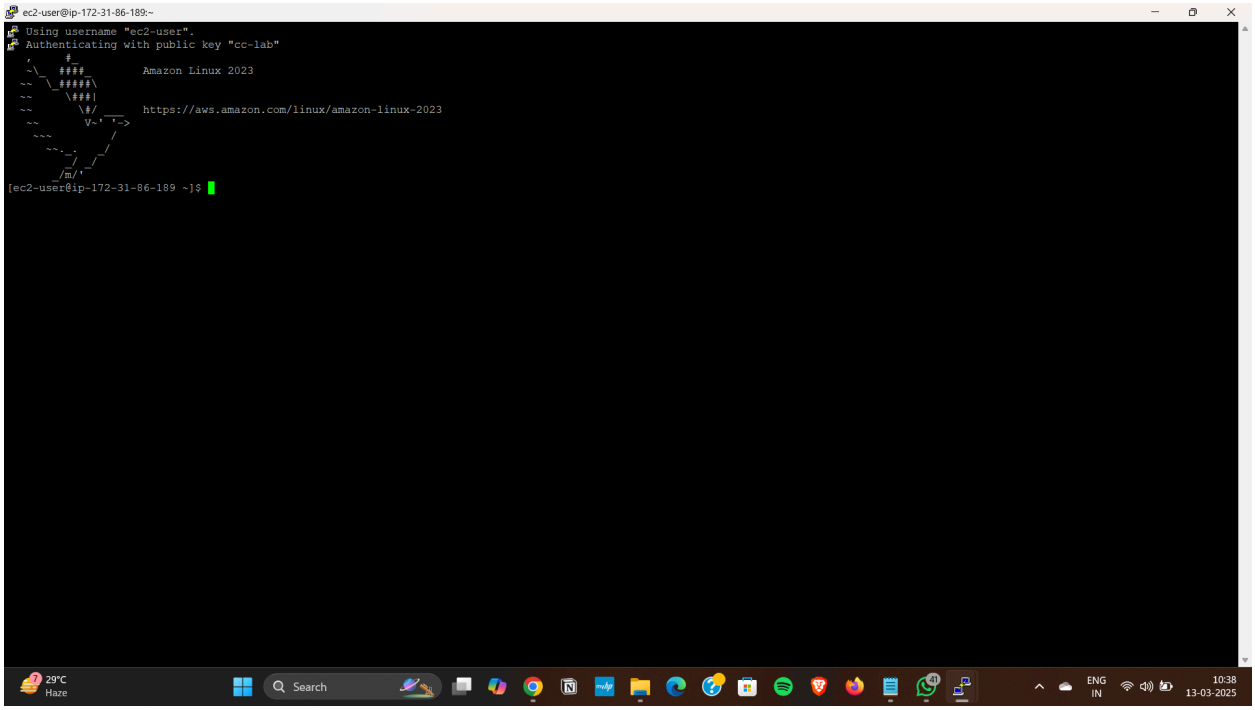
6. Then Connect to the EFS- 1 instance using putty



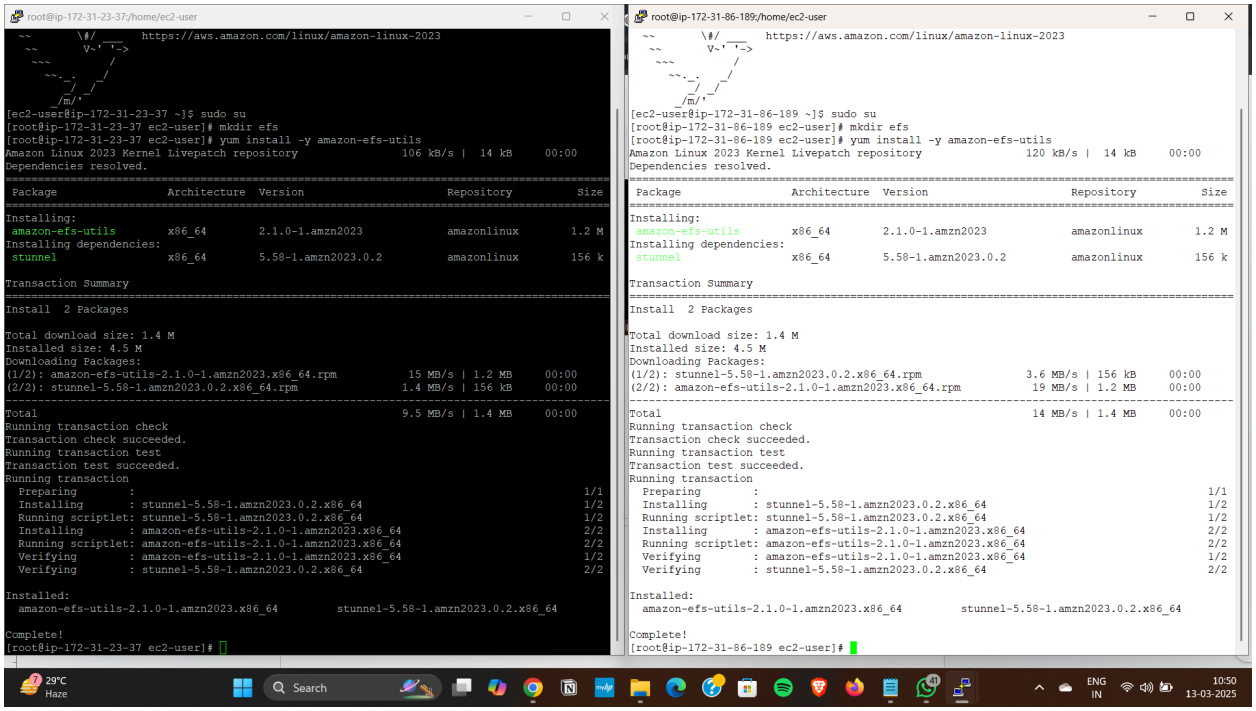


7. Connect to the EFS-2 Instance using Putty

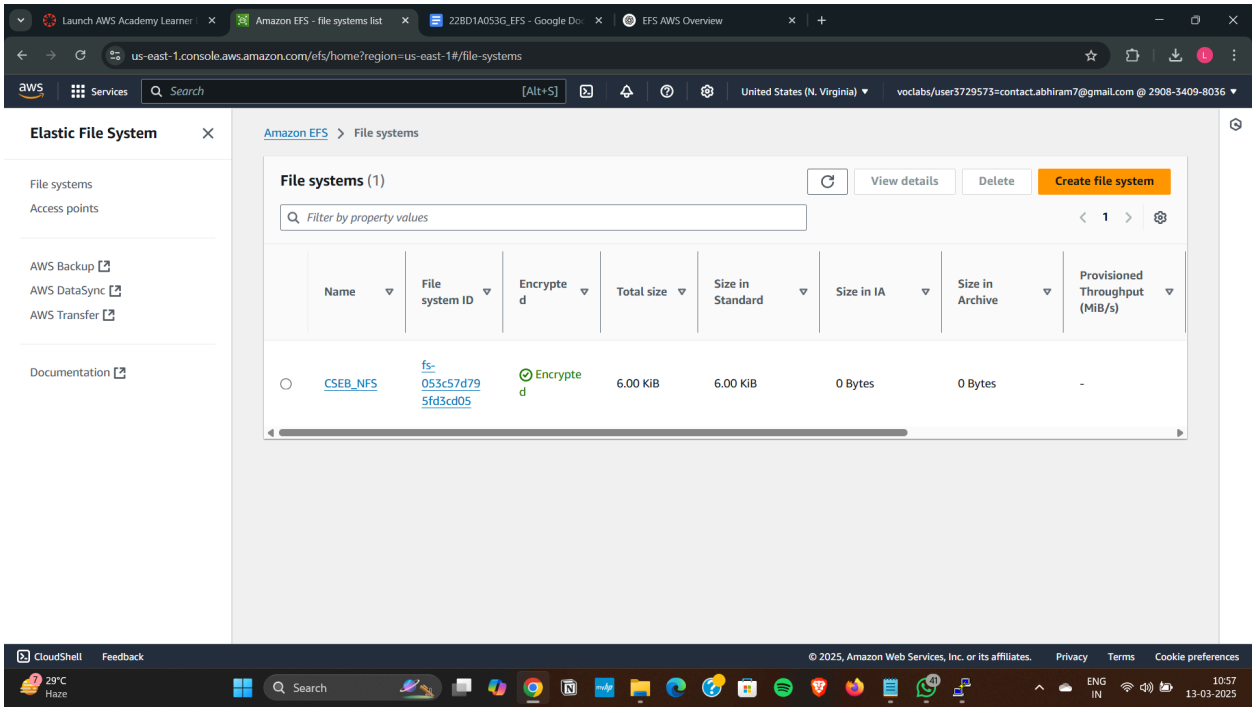




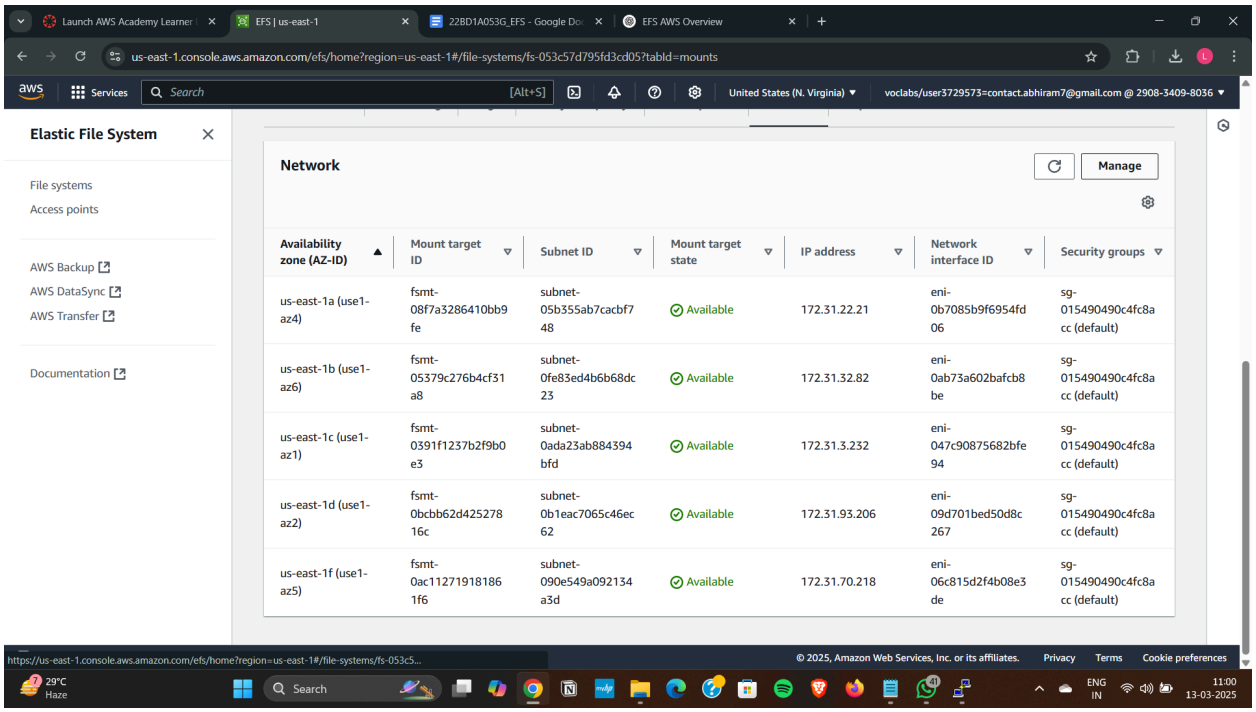
8. After connecting to the instance, execute the following commands in both the instances.
    - sudo su
    - mkdir efs
    - yum install -y amazon-efs-utils



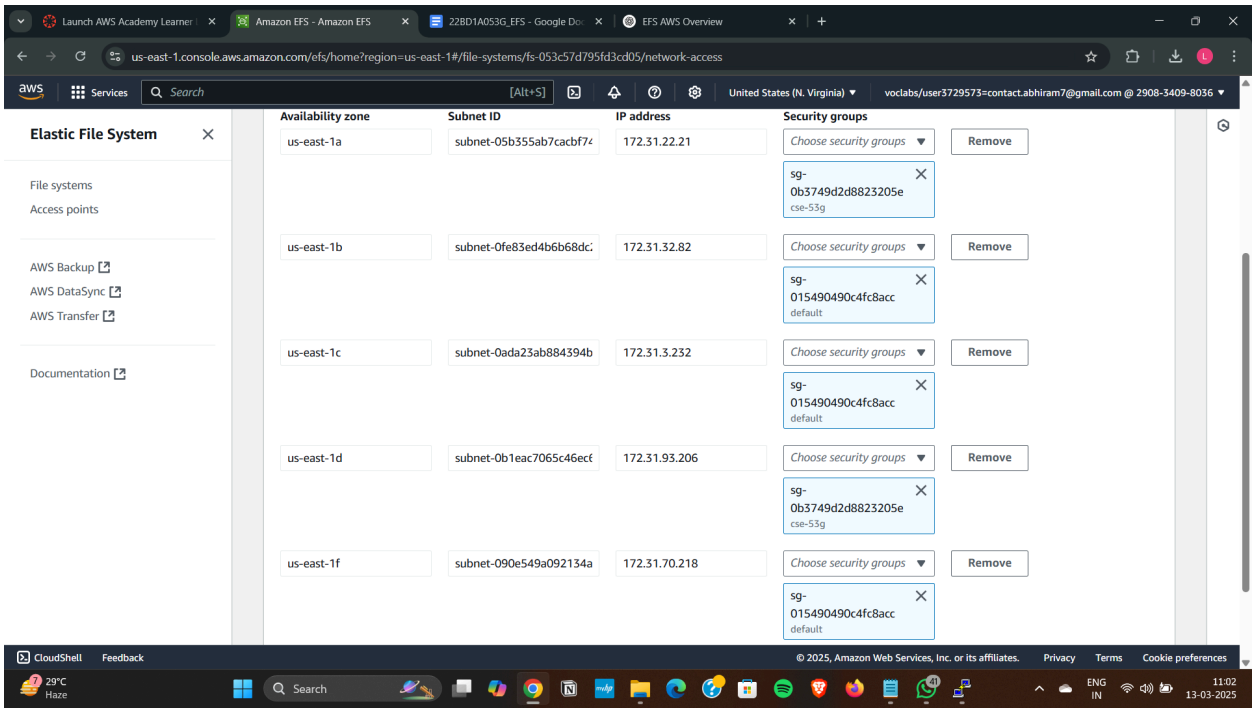
9. Create a new File System

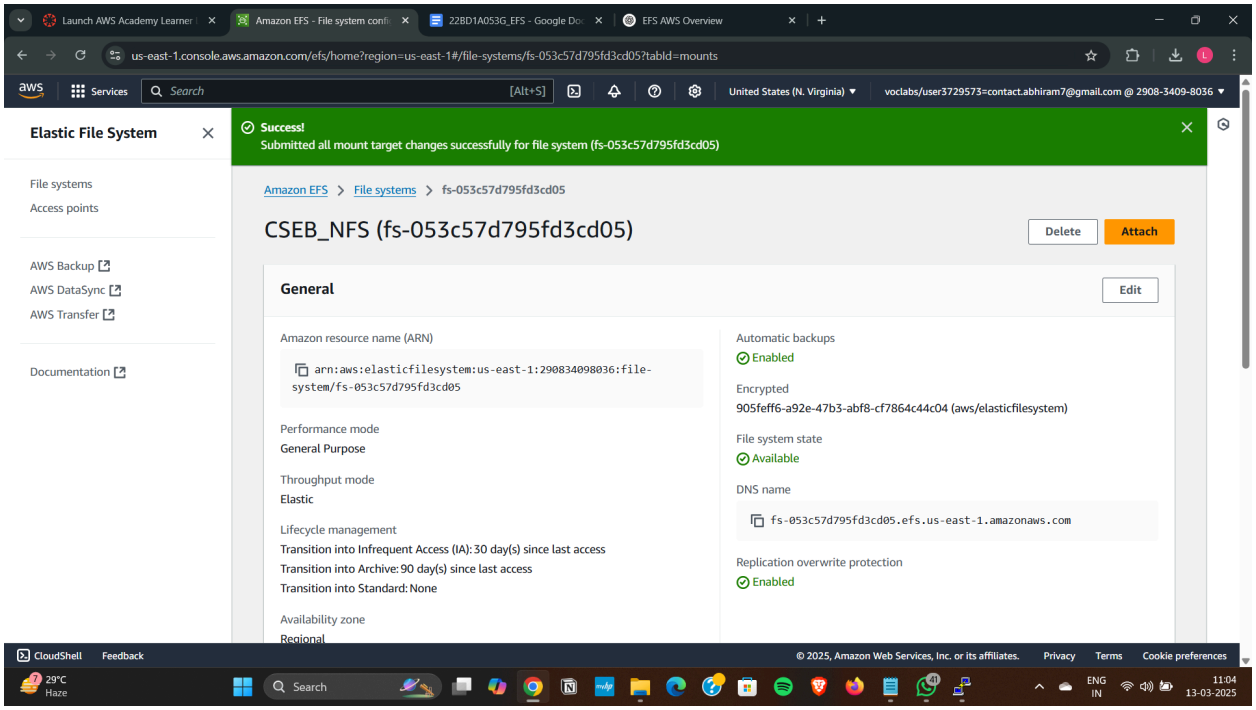


10. Go to the network settings of EFS and click on Manage

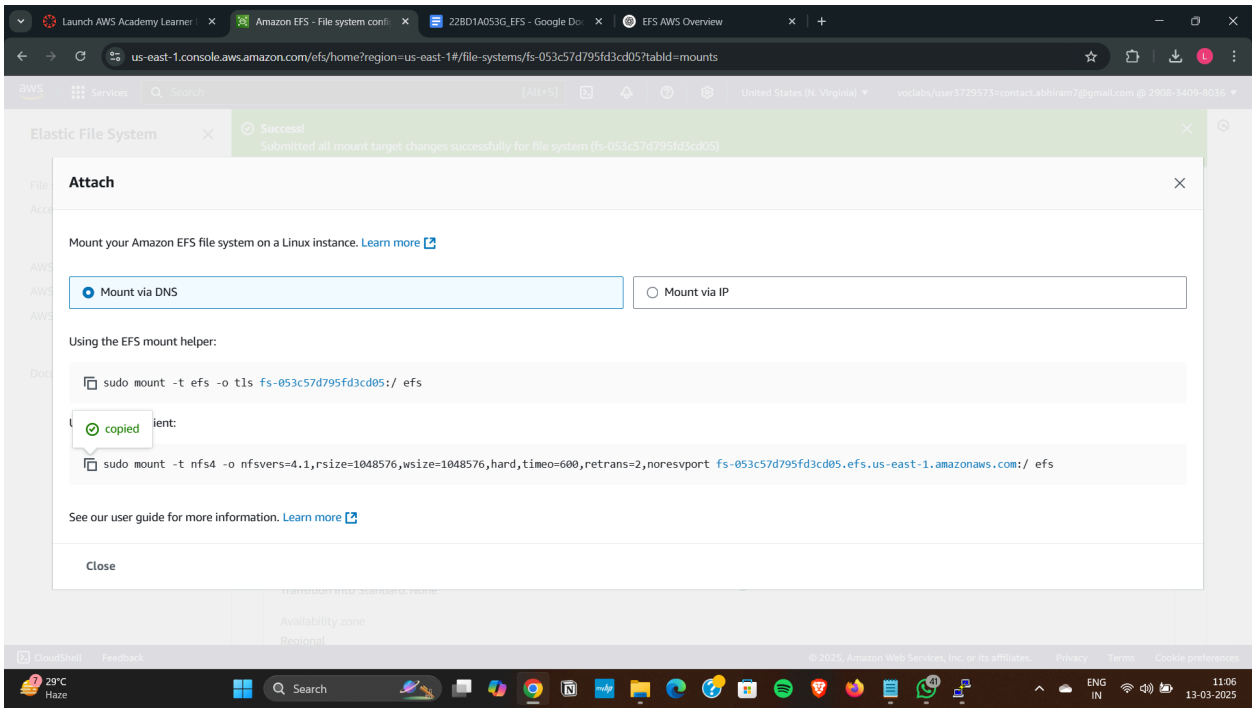


11. Now Select the security groups for the particular regions and click on save and click on attach





12. Copy the second command and paste it in the terminal of the instance



13. Paste the command in both the instances and run the following commands in instance EFS-1 and check in EFS-2

- cd efs
- touch file1.txt