# SOLUTIONS ARCHITECTING ON CLOUD

# (20CS3235AA)

# Labs-6

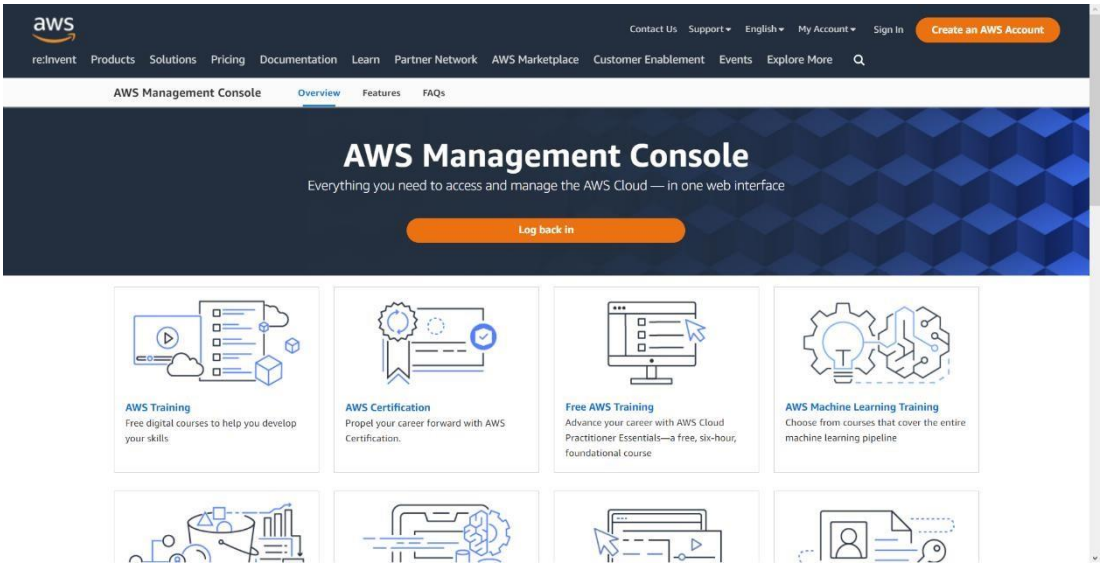
Name: K. VENKATA SREE SAI

ID:2000030439

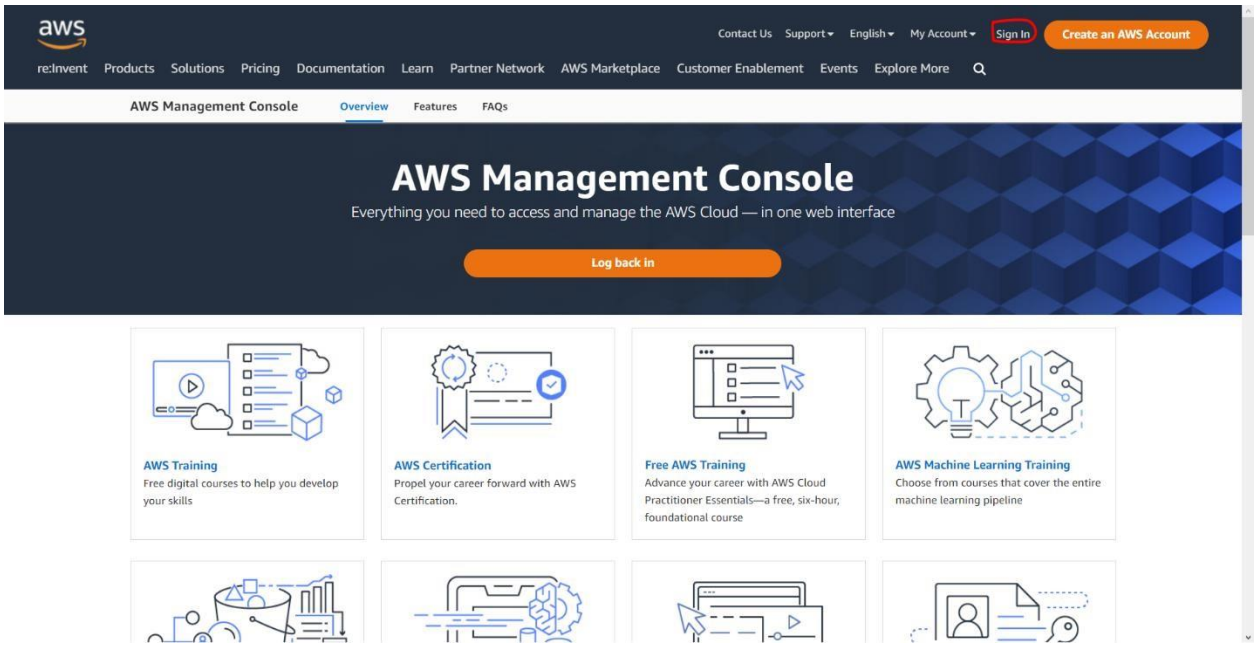
## Part-1

## Create and mount an Amazon EFS file system using Amazon EC2 Launch Instance Wizard

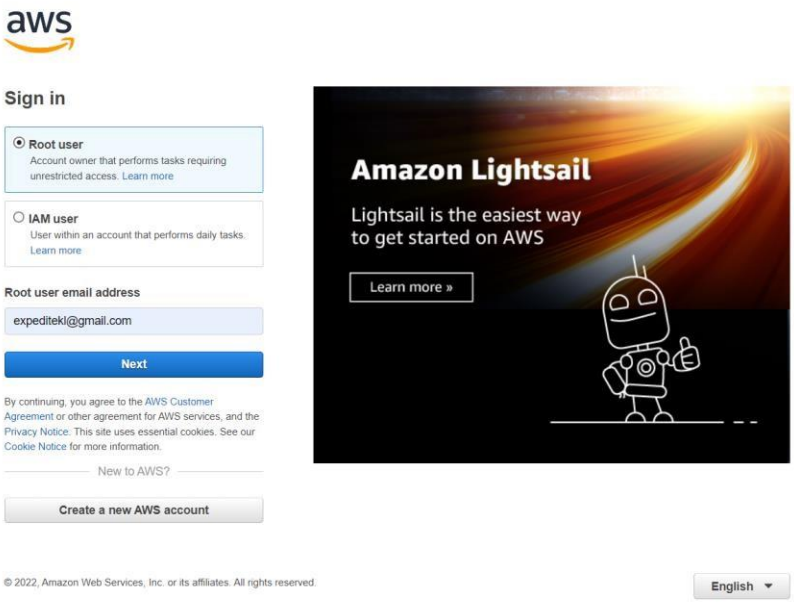
Step-1: Go to Google Browser and type [AWS (Amazon Web Services) Management Console](#).



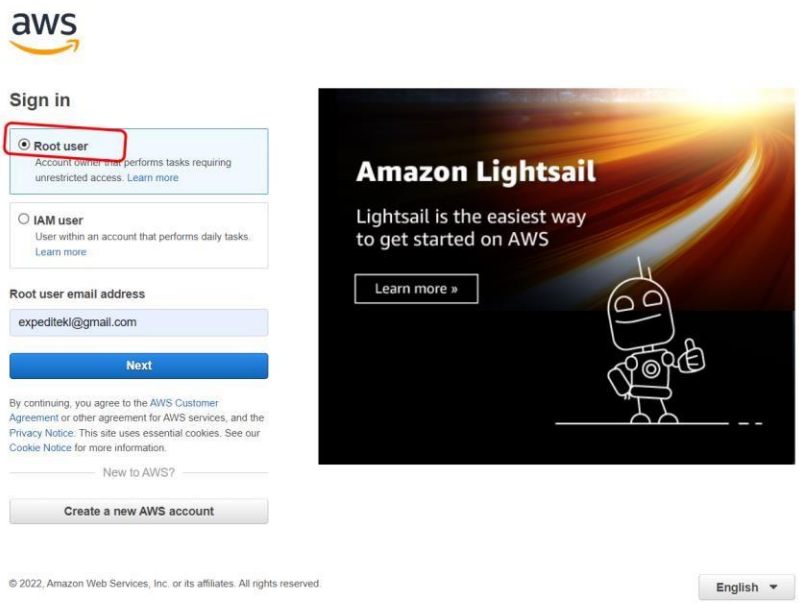
Step-2: After That If you having an account in Aws management console then click on Sign-in option.



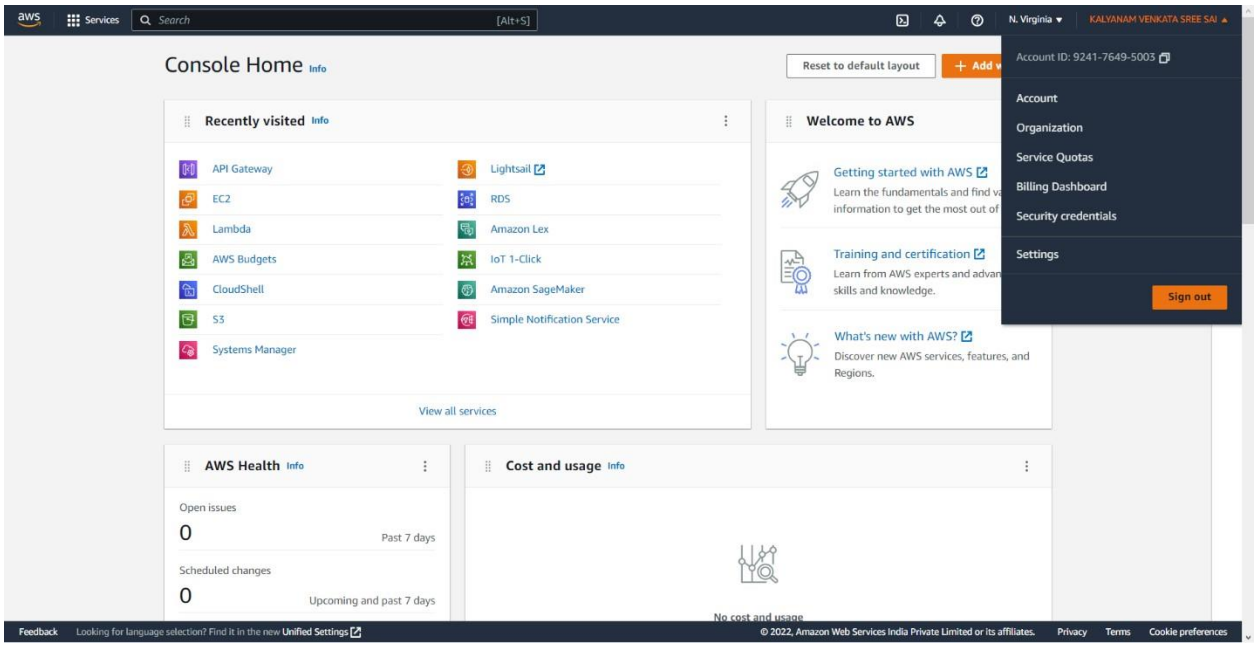

Step-3: After it will redirect to aws sign-in portal.



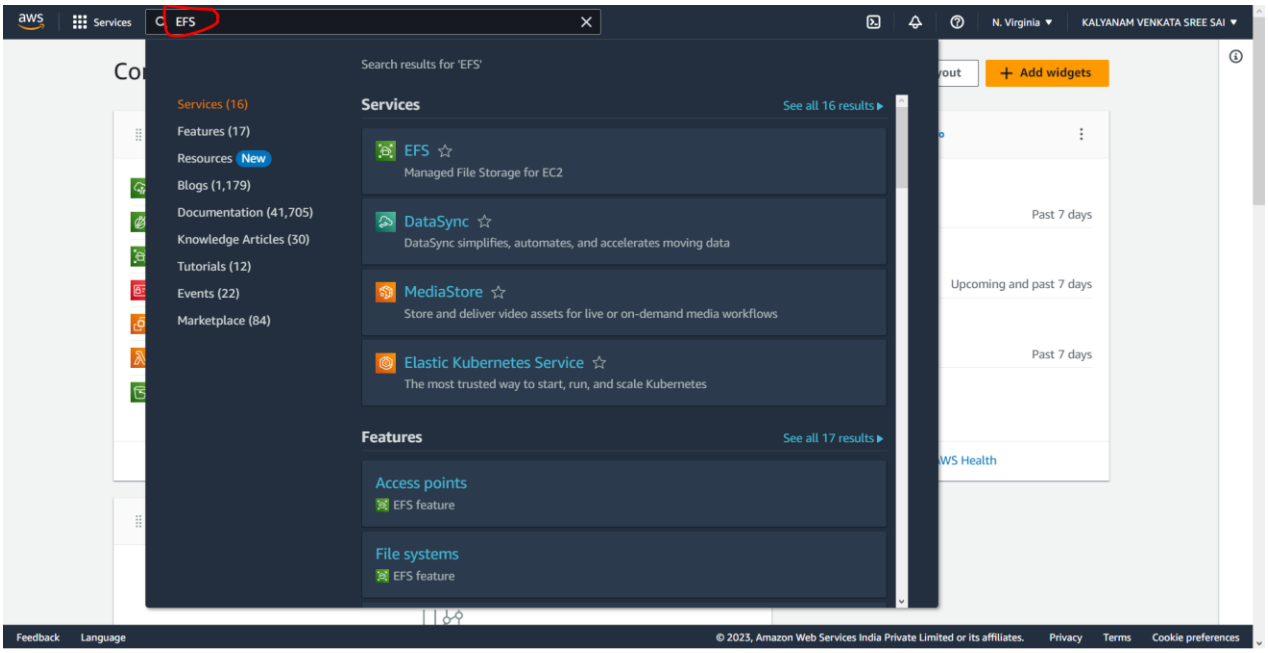
Step-4: Sign-in with your root account only



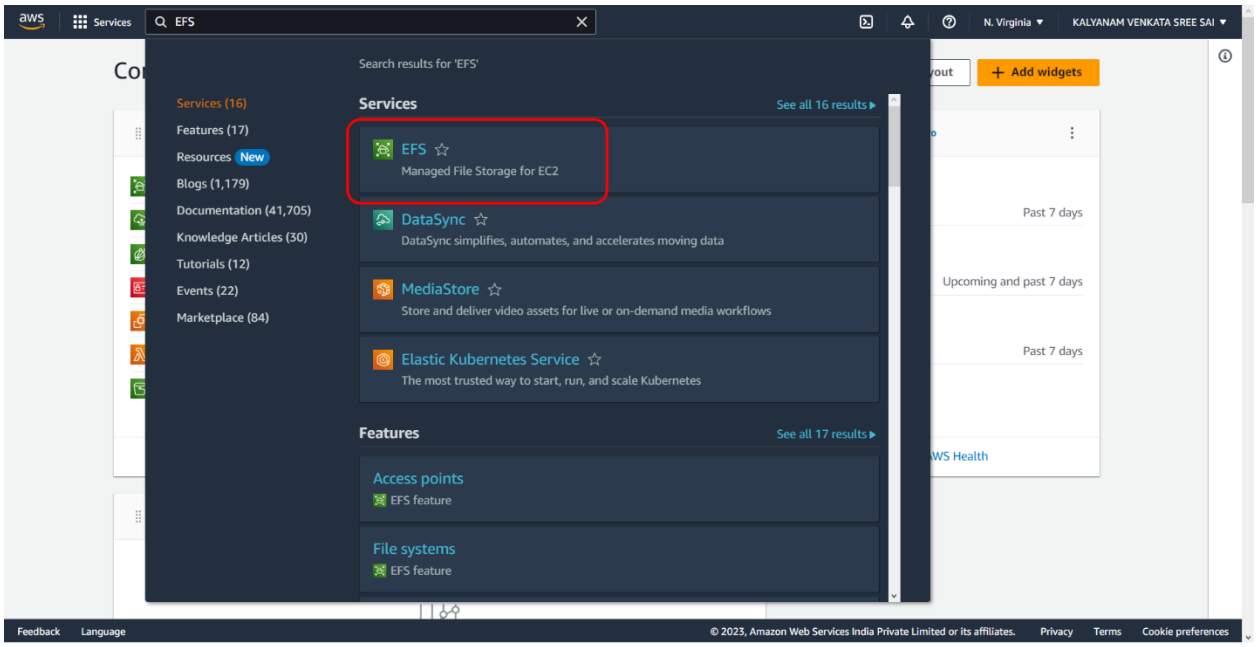

Step-5: After Sign-in the aws management console look like the below image.



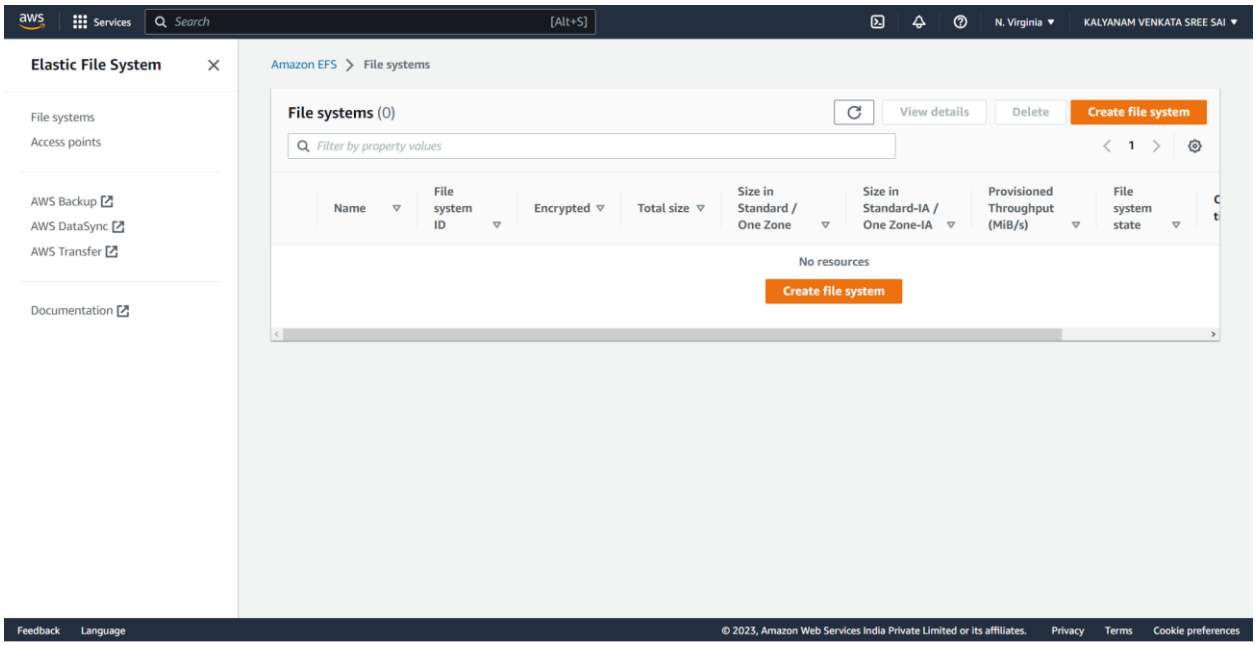
Step-6: Go through the search bar and type “EFS”.



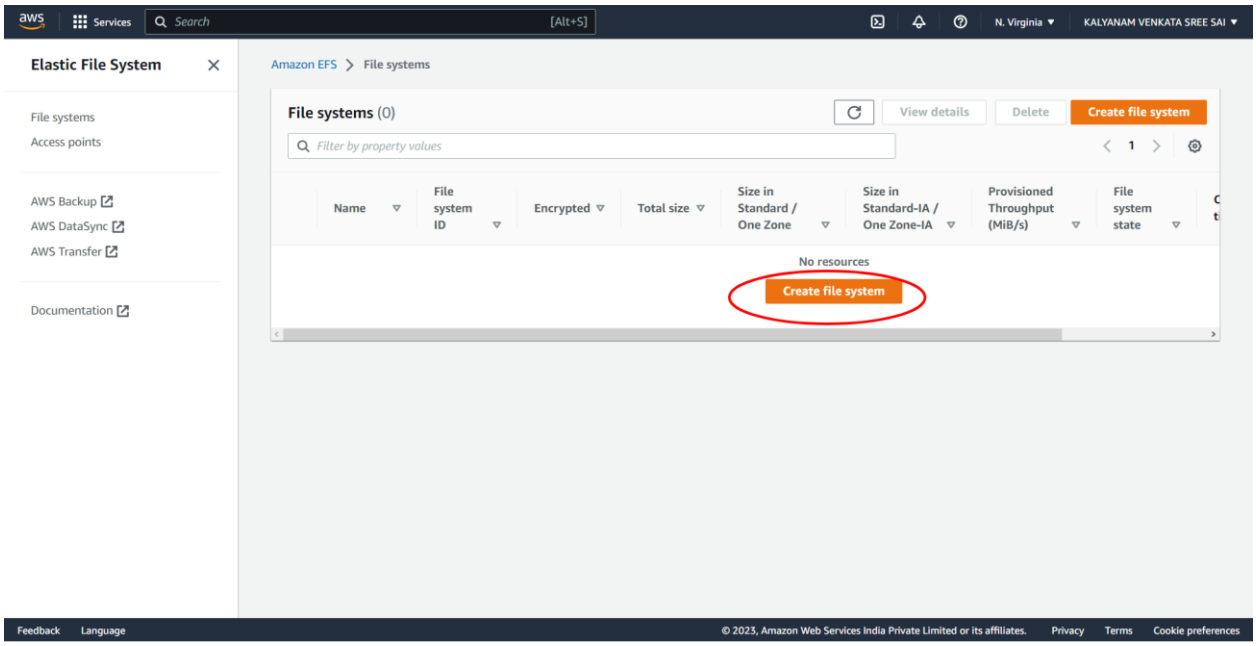

Step-7: Select the First service from the listed below.



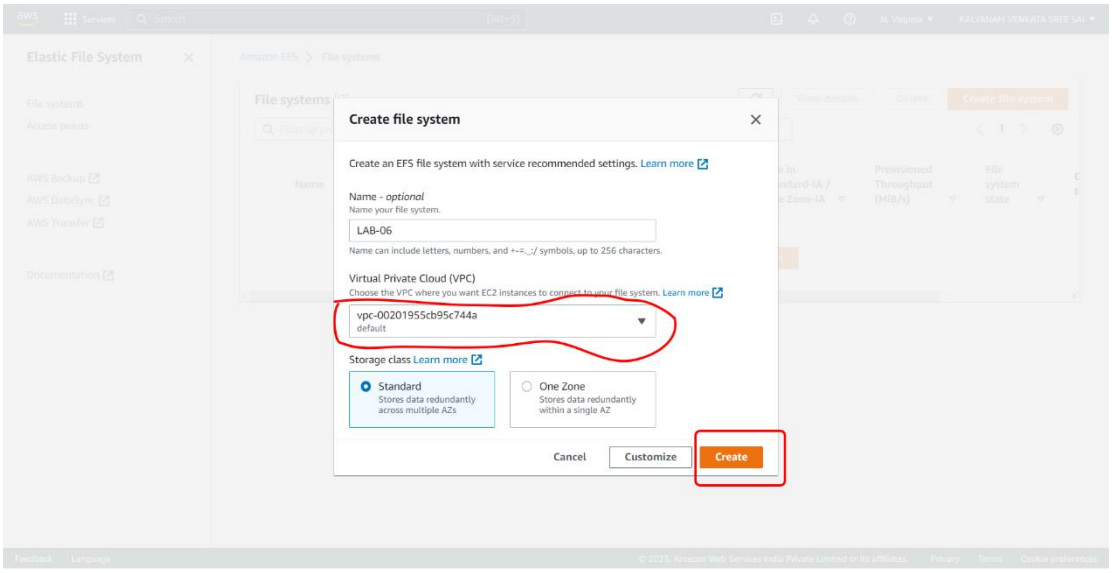
Step-8: After clicking the First Service The console will look like.



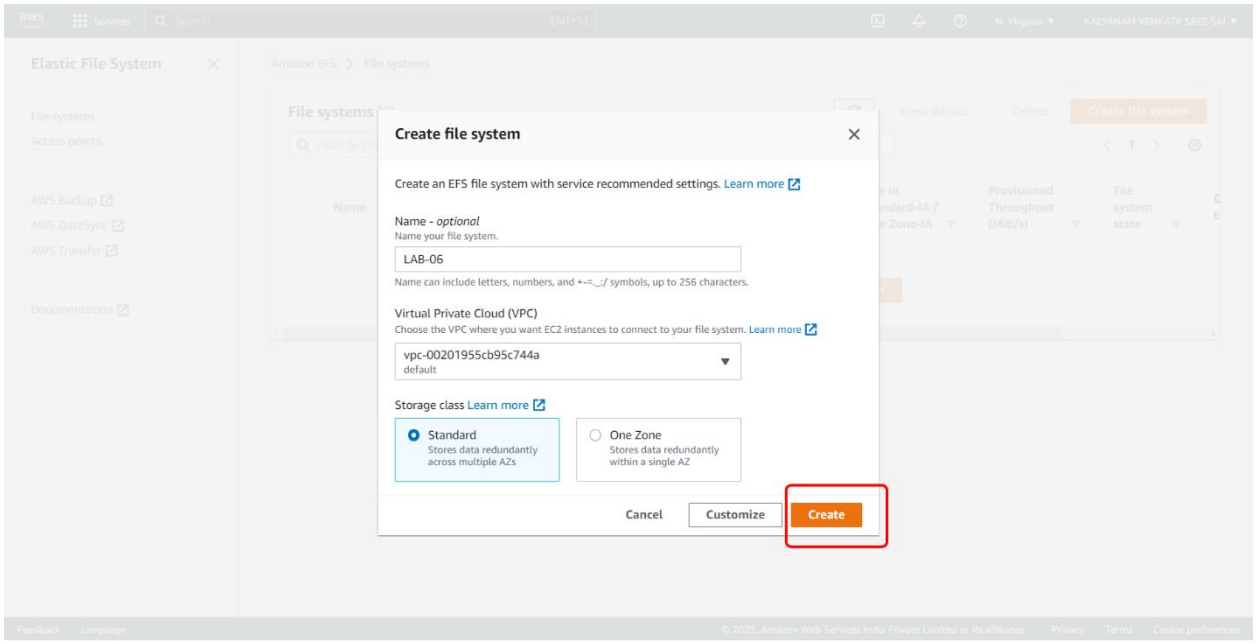

Step-9: Click on the “Create File Systems” in the EFS console.



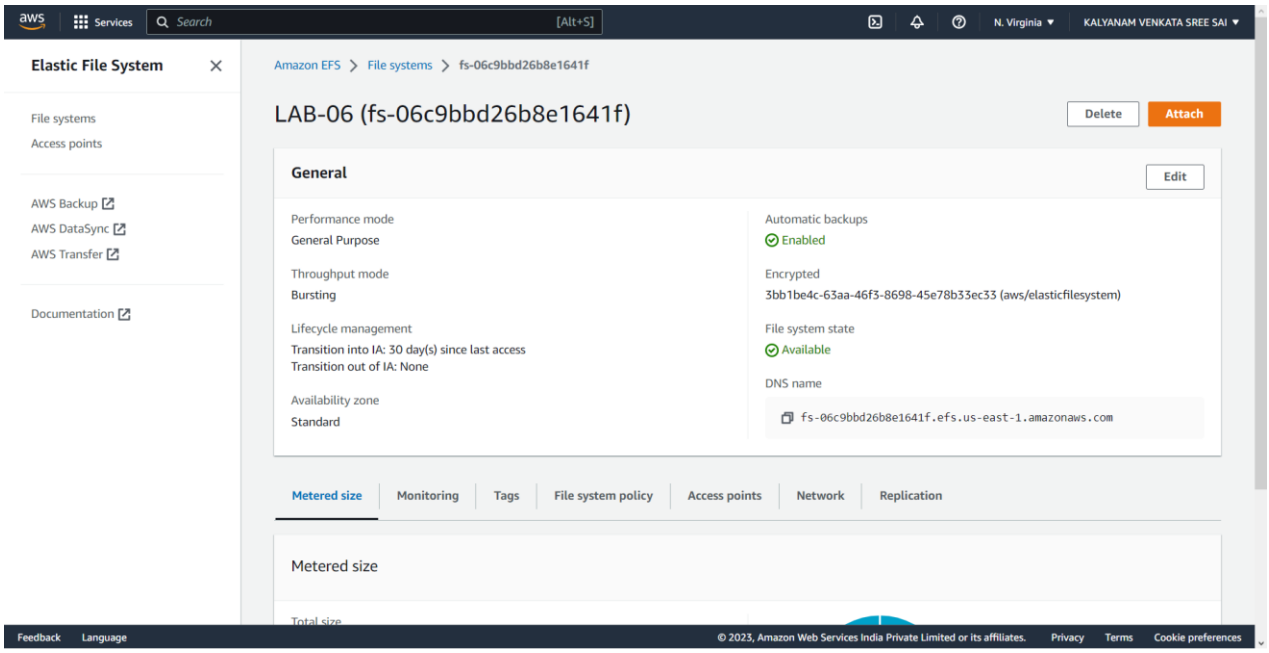
Step-10: Click on the “Create File Systems” Name the File System “LAB-06” and Select the VPC as Default.




Step-11: After that Clicking on the “Create”, it will look like.



Step-12: When clicking on your file system ID or file system name, it takes you to the details page of your EFS.



# Attaching an EFS to an EC2 Instance.

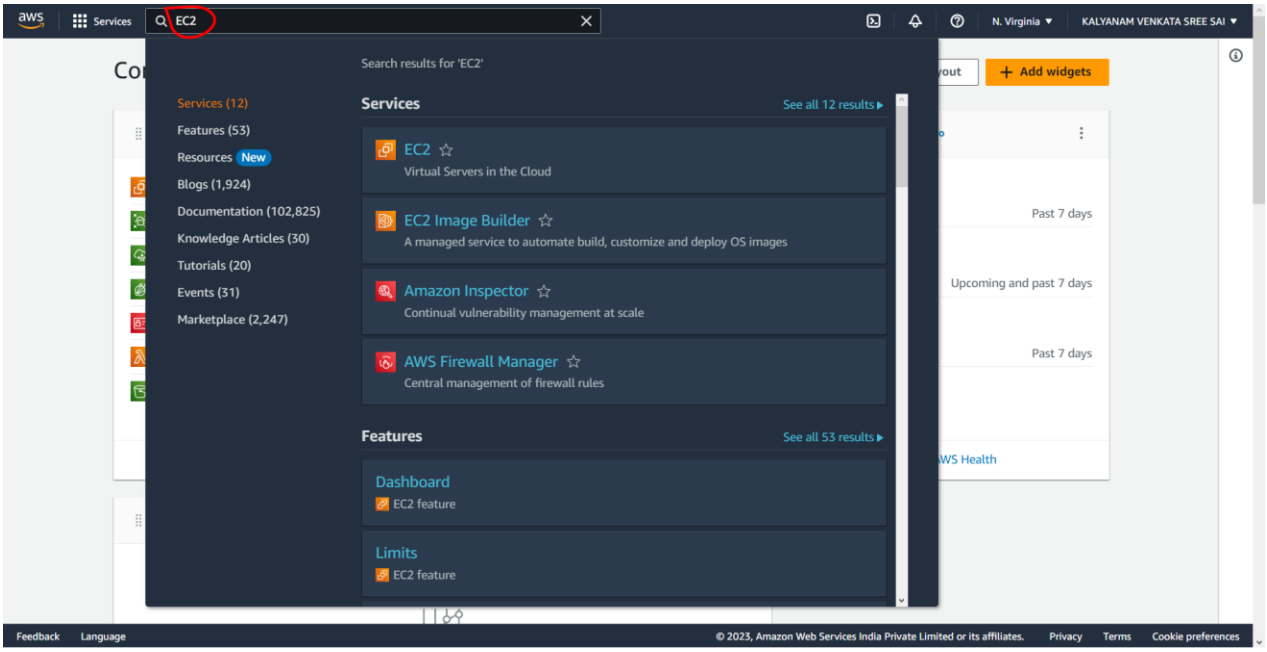
You have two ways to mount the EFS:

1) At the moment of launching a new instance

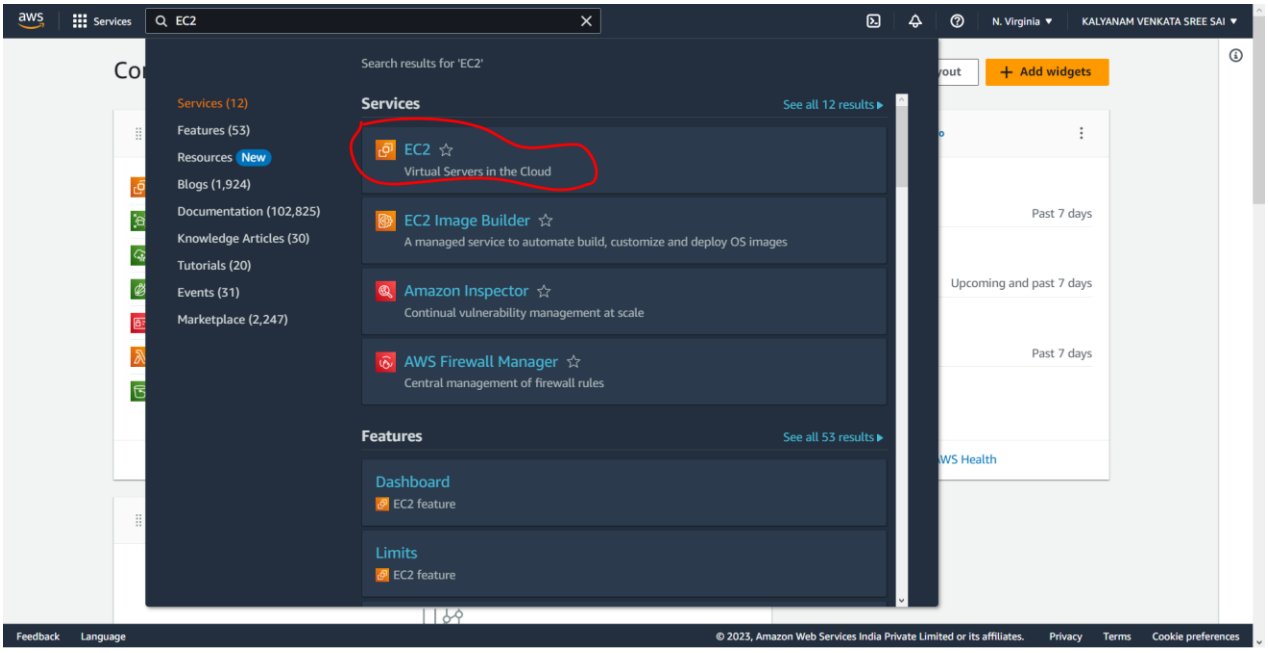
2)On a running instance, using bash commands with the help of the amazon-efs-utils library.

In this we are using 1st step i.e. new instance creation.

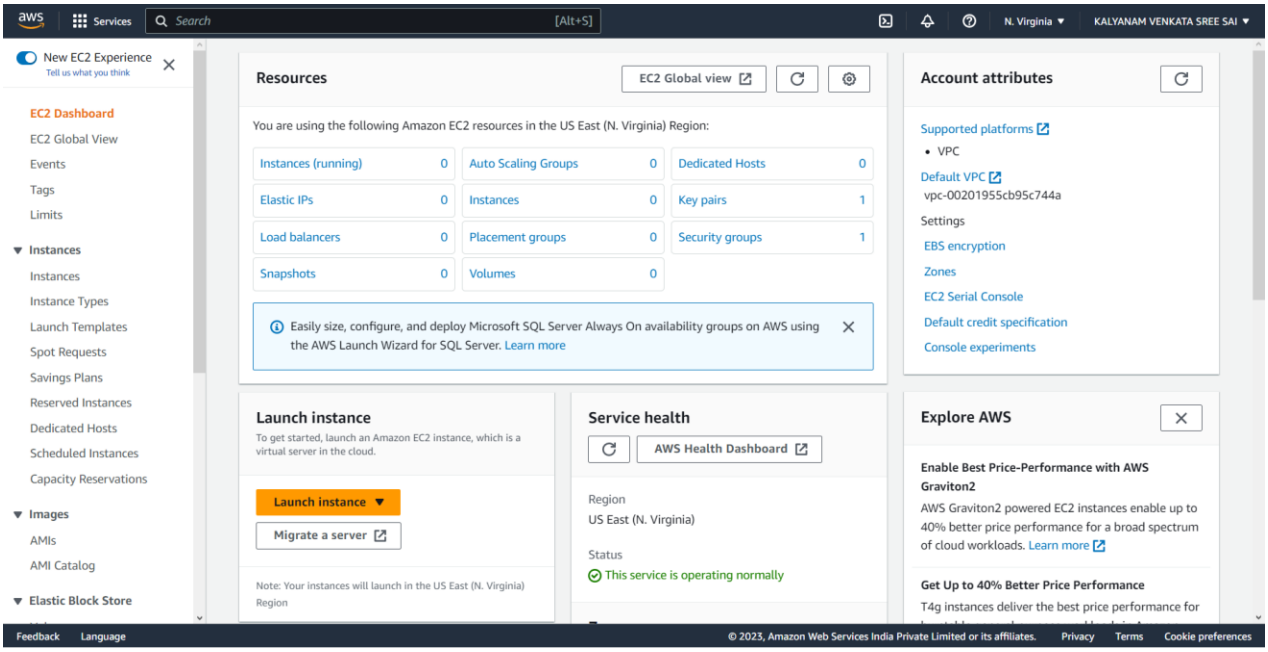
Step-1: Go through the search bar and type “EC2”.



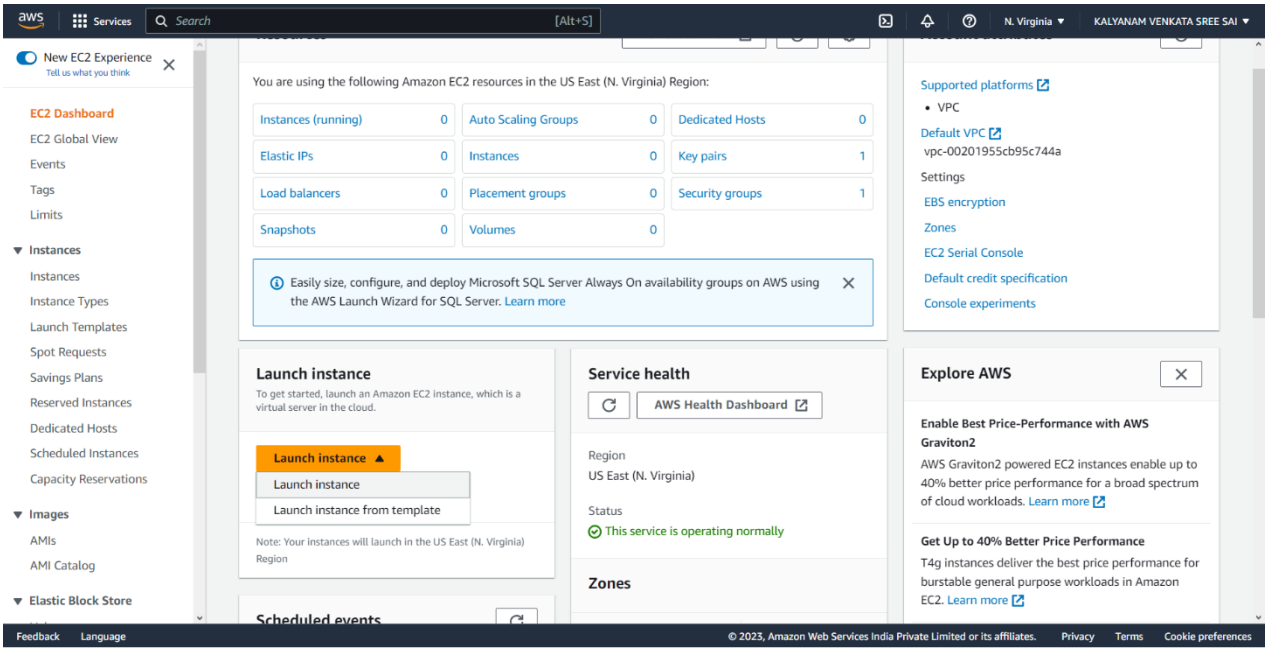
Step-2: Select the First service from the listed below.



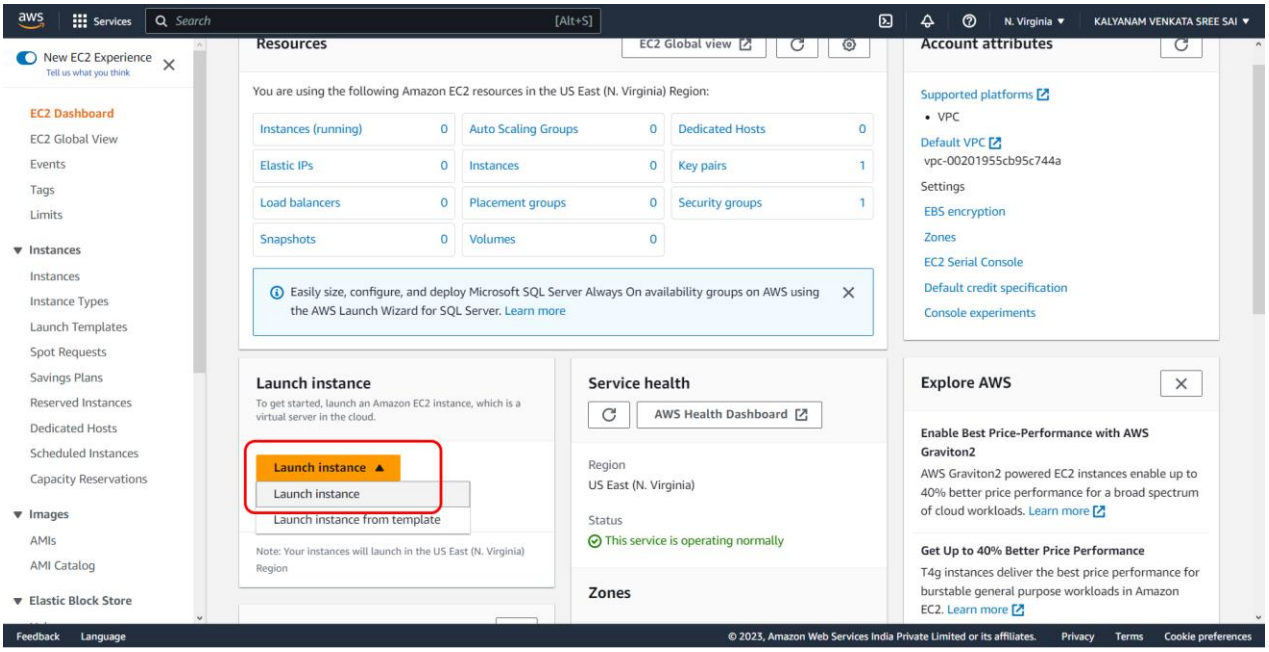

Step-3: After clicking the First Service The console will look like.



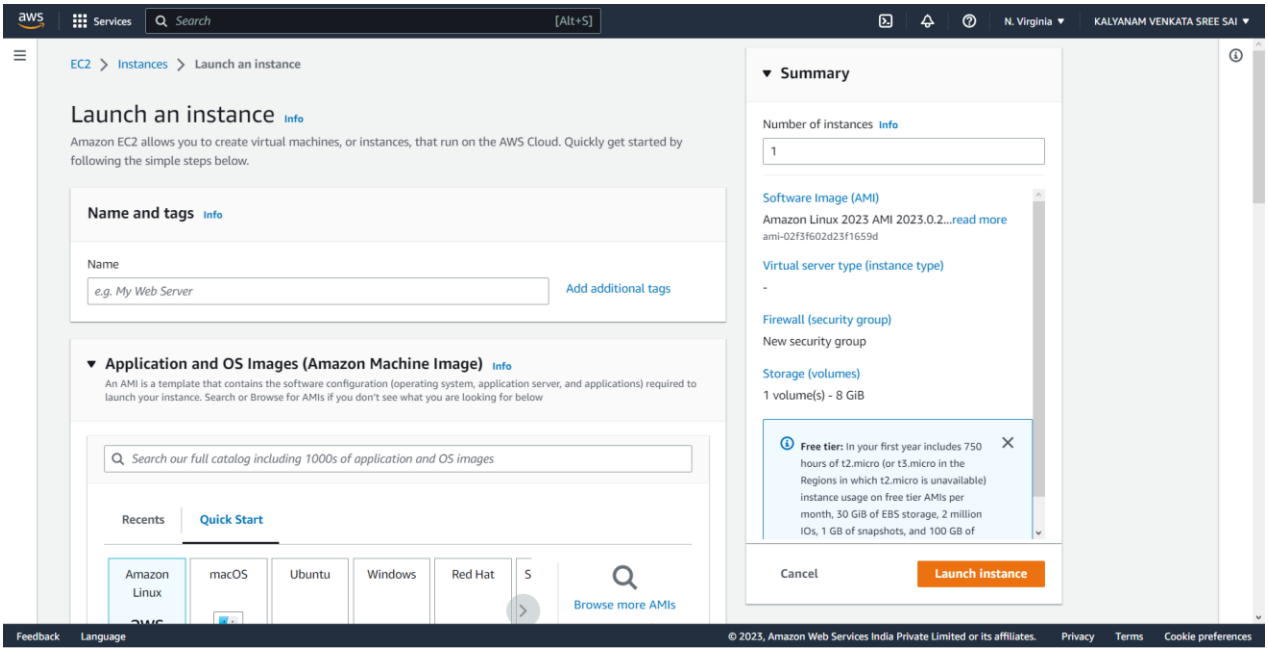
Step-4: Click on the “Lunch Instance” in the EC2 Console.



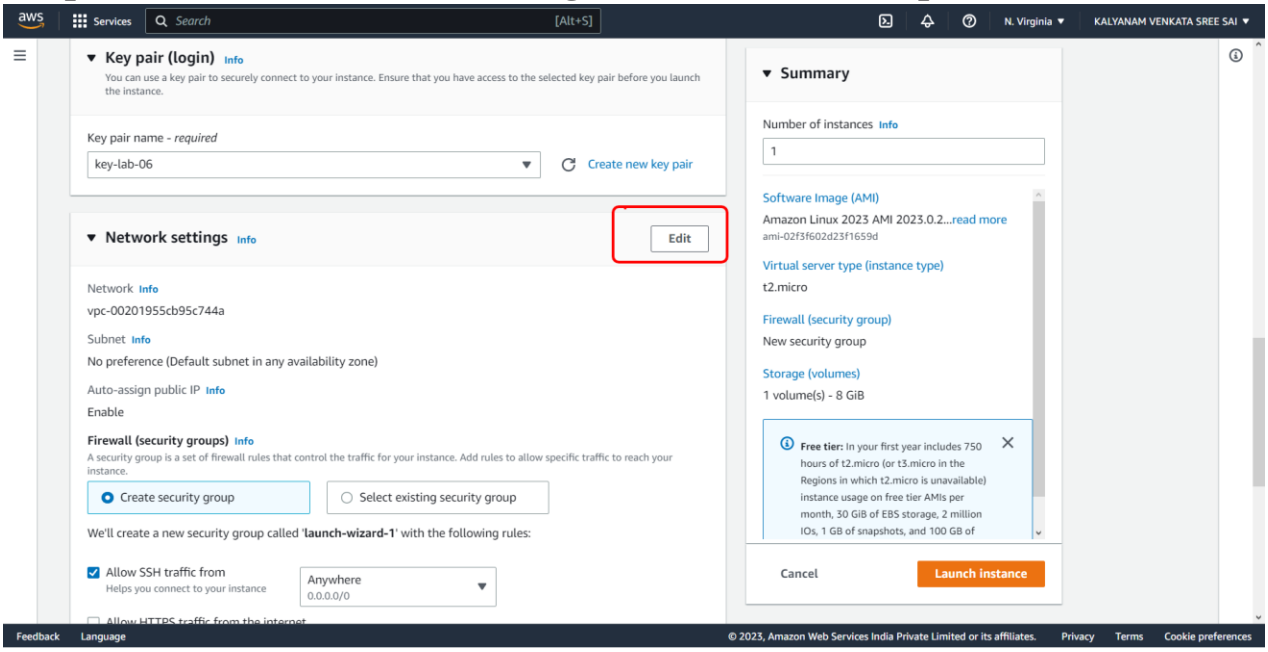

Step-5: Click on the “Launch Instance” from the drop-down menu.



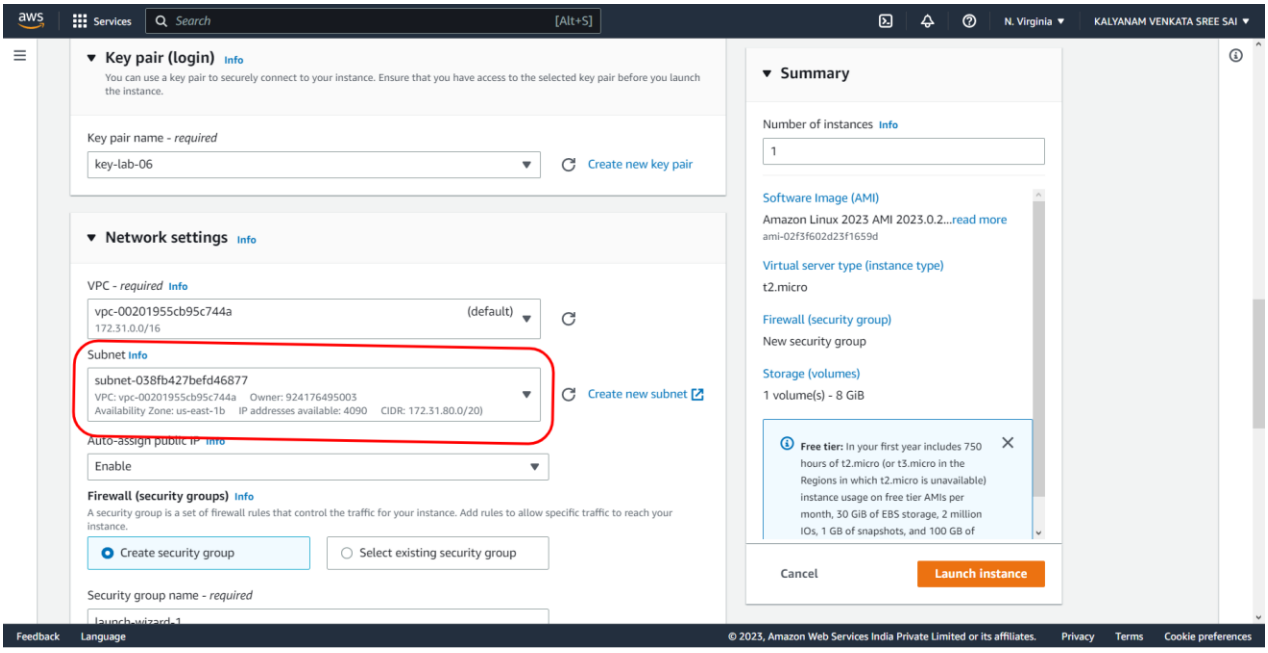
Step-6: After Clicking on the Launch Instance, it will look like.



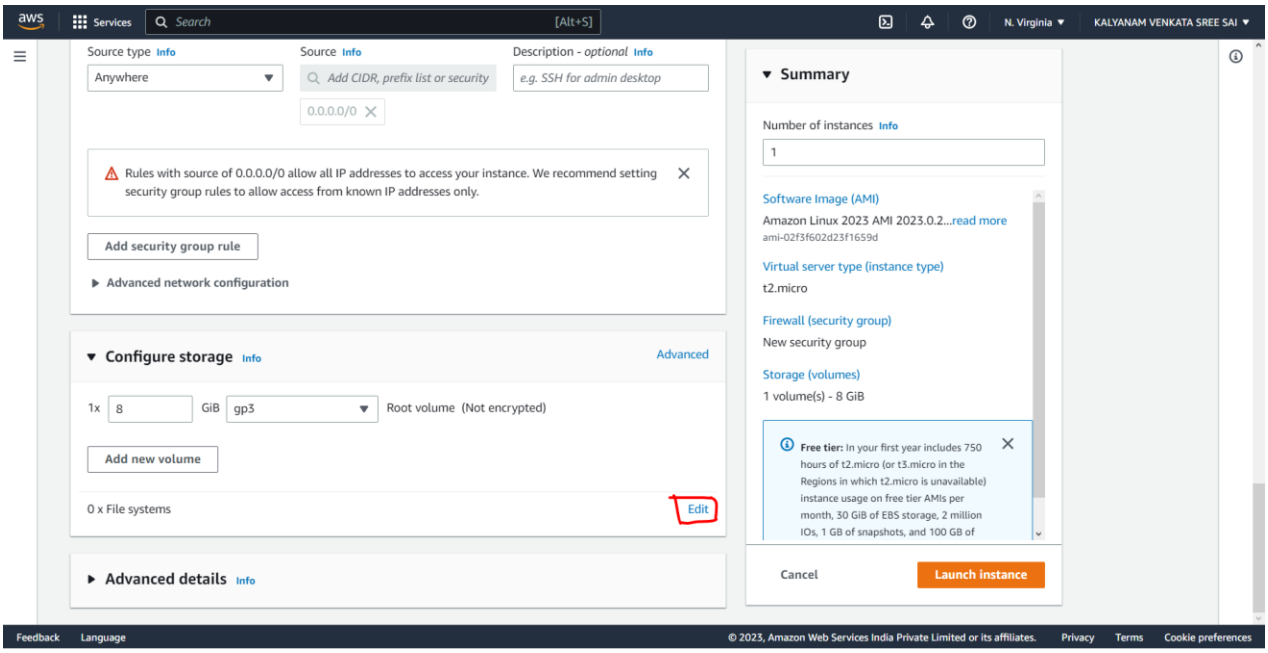

Step-7: In the Network settings Click the Edit option.



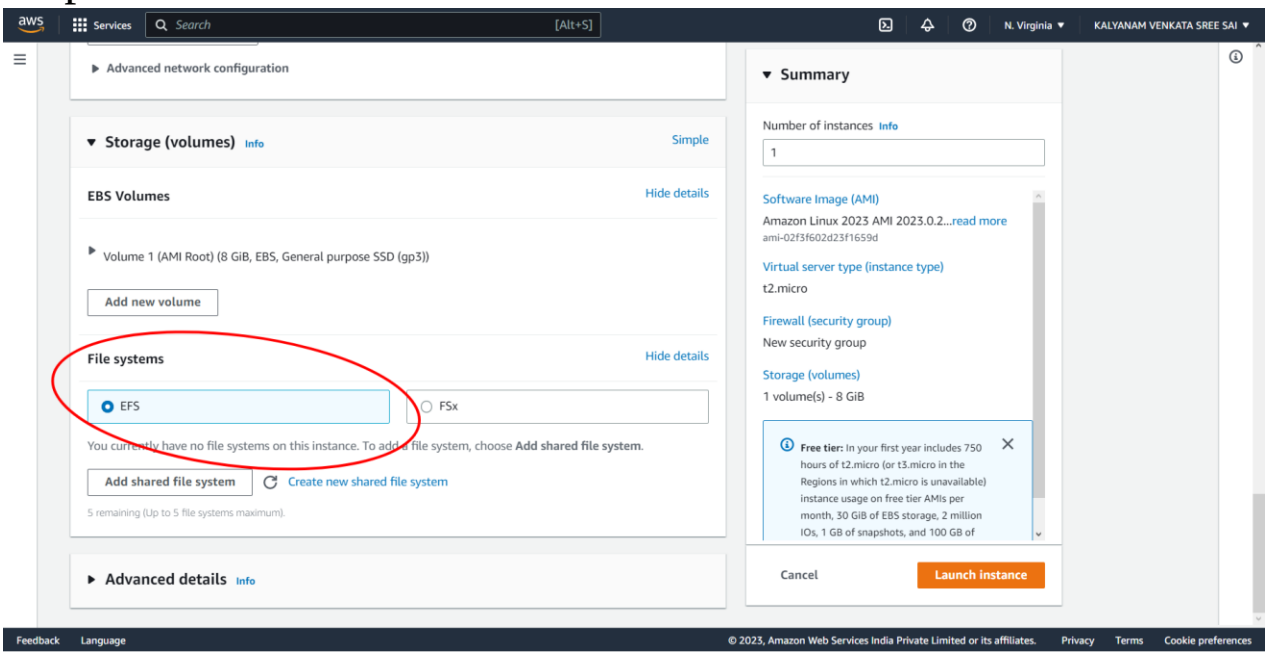
Step-8:Select the Subnet Region which is same to EFS region.



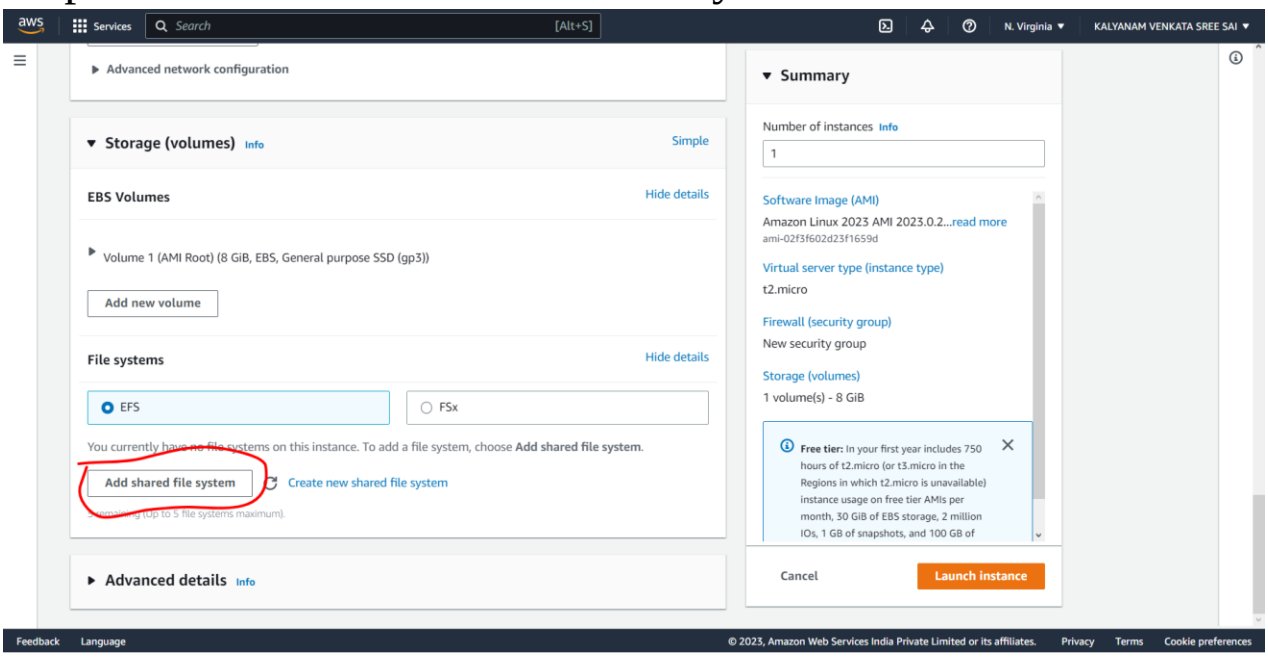

Step-9: click the edit option in Configuration storage.



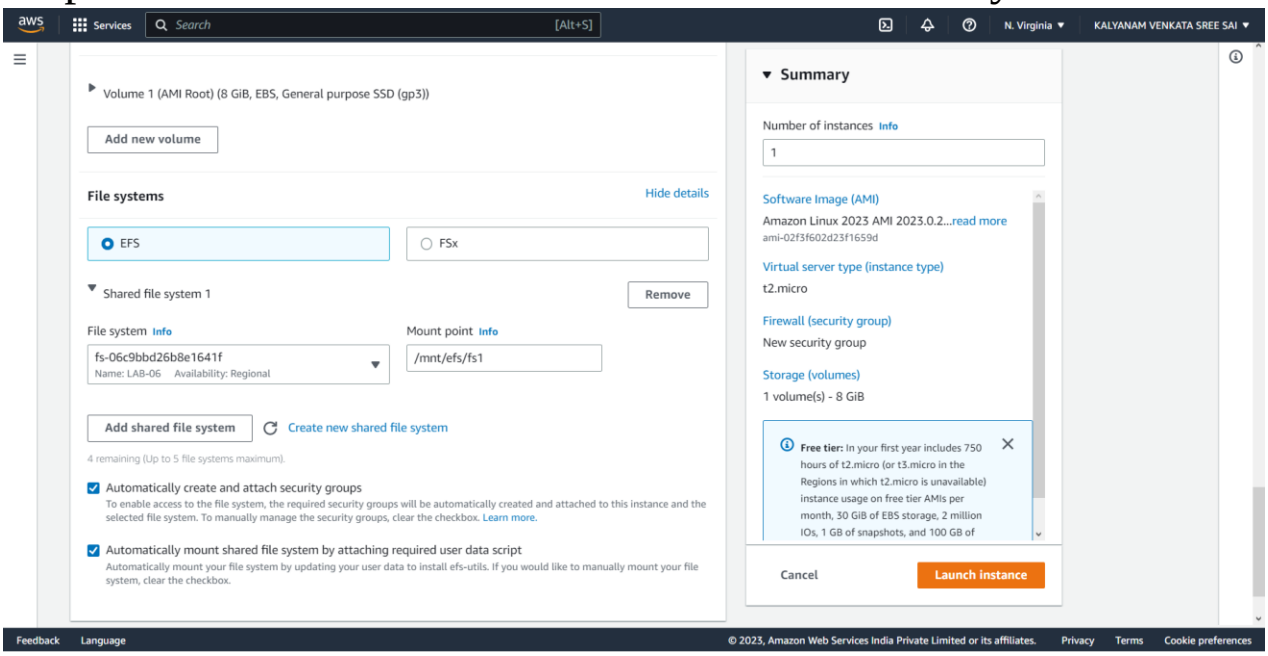
# Step-10: Select the “EFS”.



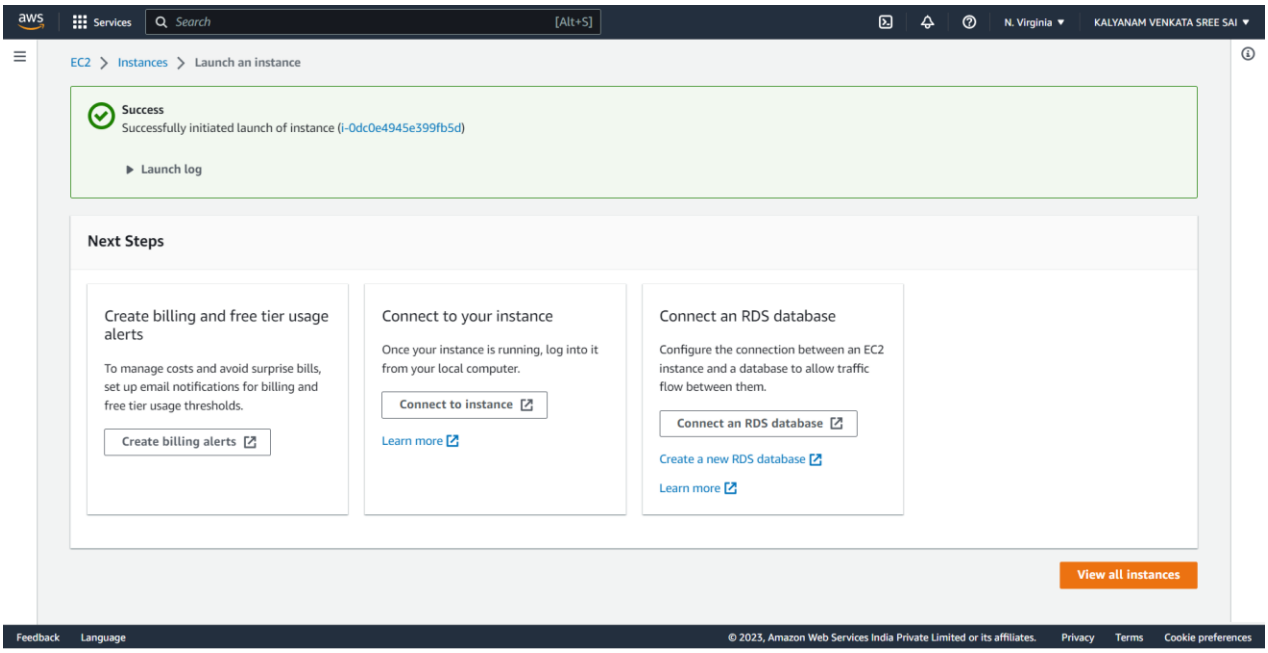

# Step-11: Click the “Add shared file system”.



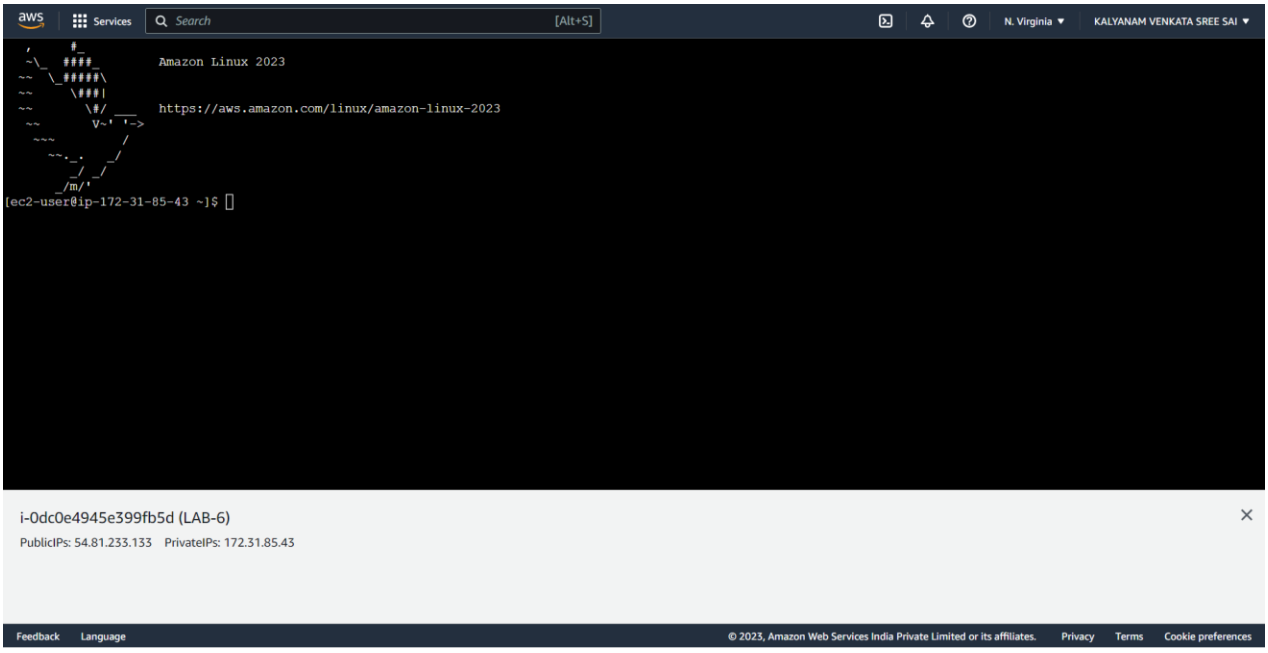
Step-12: Automatic it will select the available file system.




Step-13:click the launch instance.



Step-14: Now Connect the instance.




Step-15: Finally we have sucessful mounted the EFS.