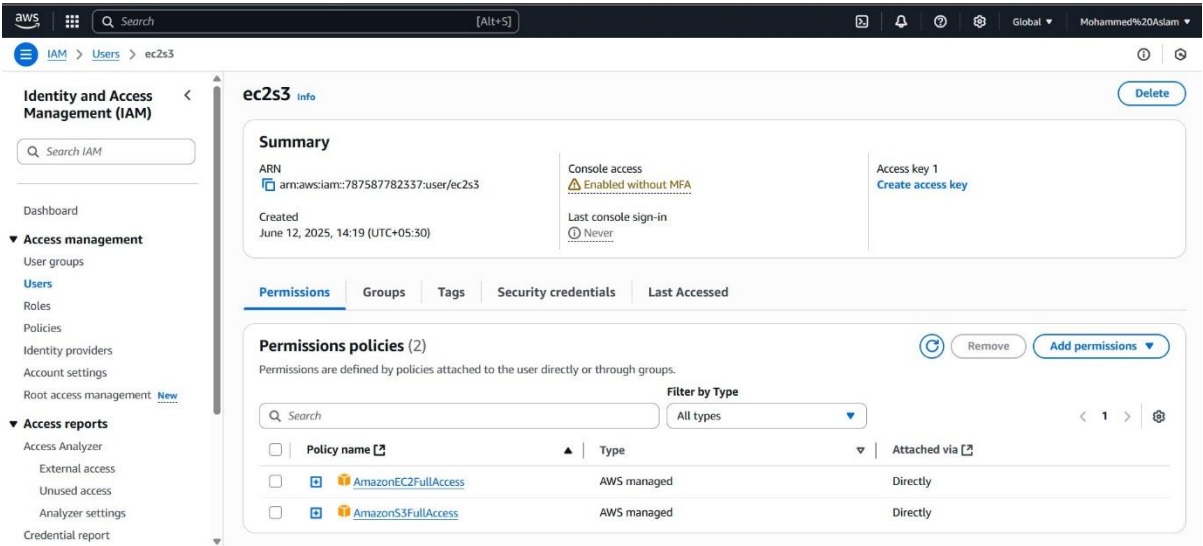
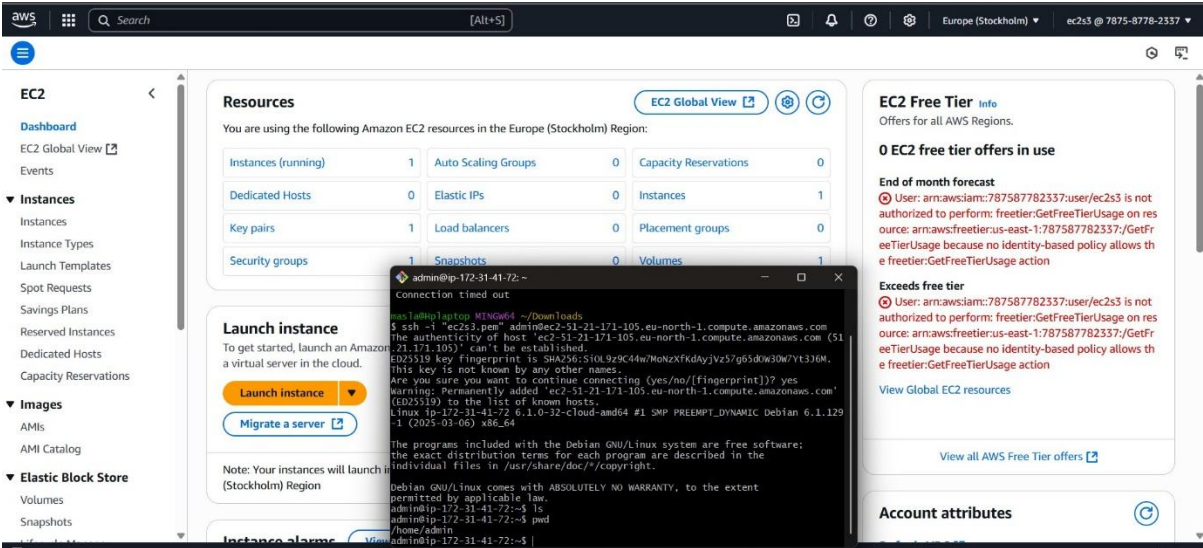


1) Create one IAM user and assign ec2,s3 full access role.
Created user and given sc2 and s3 full access

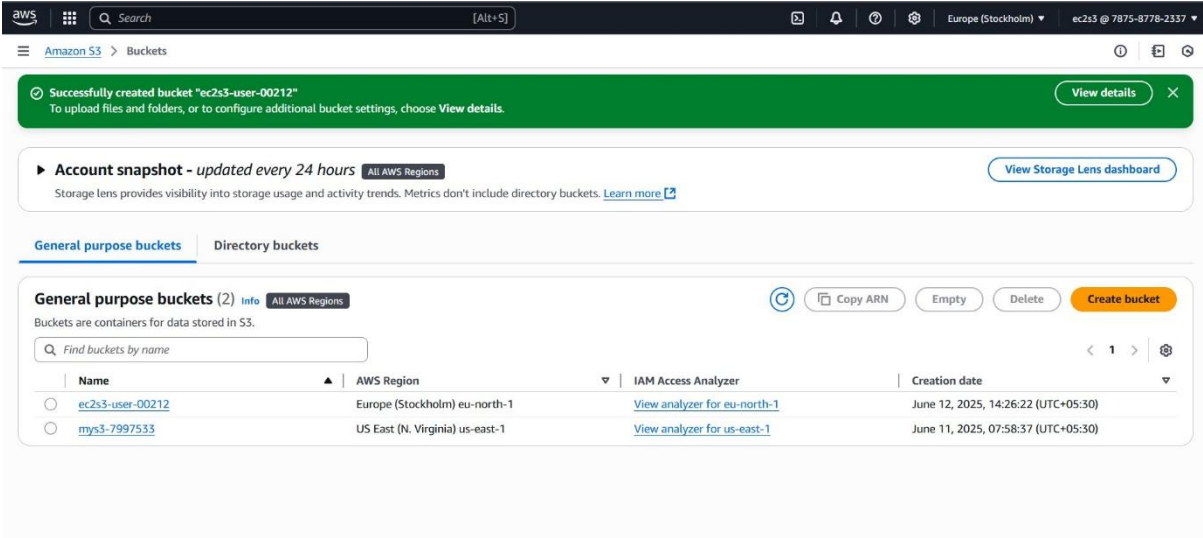


Verification

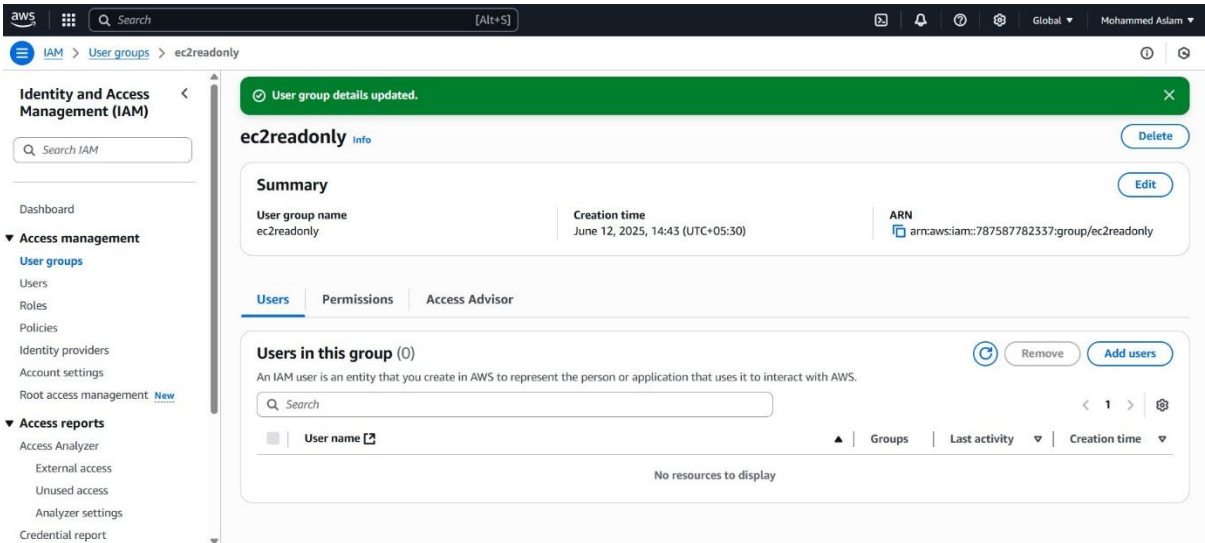
Launched an Ec2 instance by new user created and taken ssh



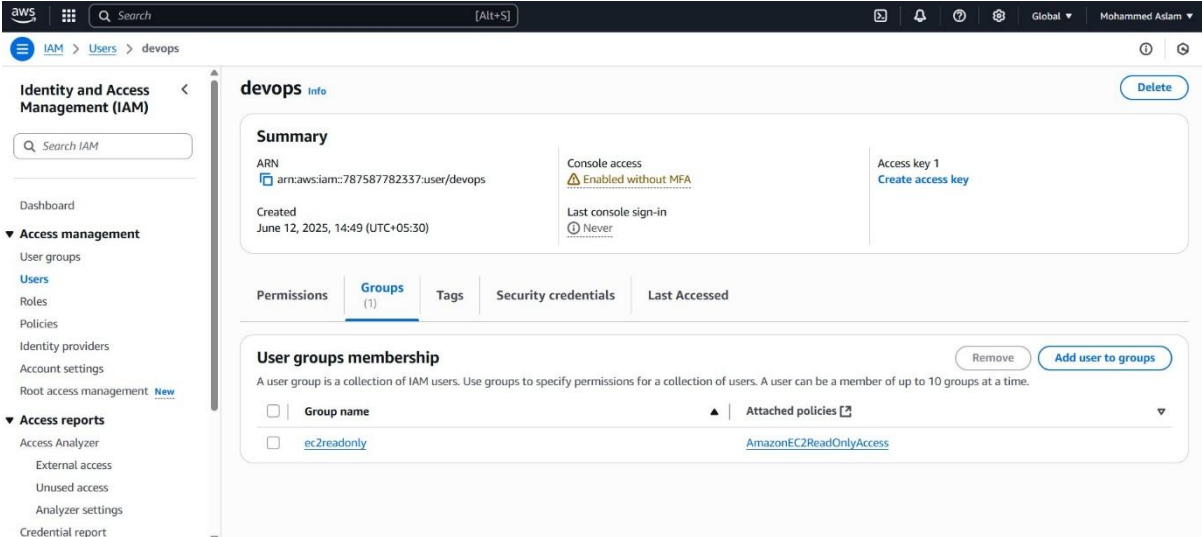
Created s3 bucket by same user



2) Create one Group in IAM and Assign Read access for ec2.



3) Create a new user with name Devops and add to the group created in task2.



4) Write a bash script to create a IAM user with VPC full access

```
masla@Hplaptop MINGW64 ~/OneDrive/Desktop
$ aws --version
aws-cli/2.27.30 Python/3.13.3 Windows/11 exe/AMD64

masla@Hplaptop MINGW64 ~/OneDrive/Desktop
$ aws configure
AWS Access Key ID [*****ND0U]: AKIA30X7D23AWUTRLVEI
AWS Secret Access Key [*****viA+]: kznsJSf5chrzudkth968bskLbp1qD+Mo8l
MOh++y
Default region name [us-east-1]: us-east-1
Default output format [text]: json

masla@Hplaptop MINGW64 ~/OneDrive/Desktop
$ nano create_vpc_user.sh

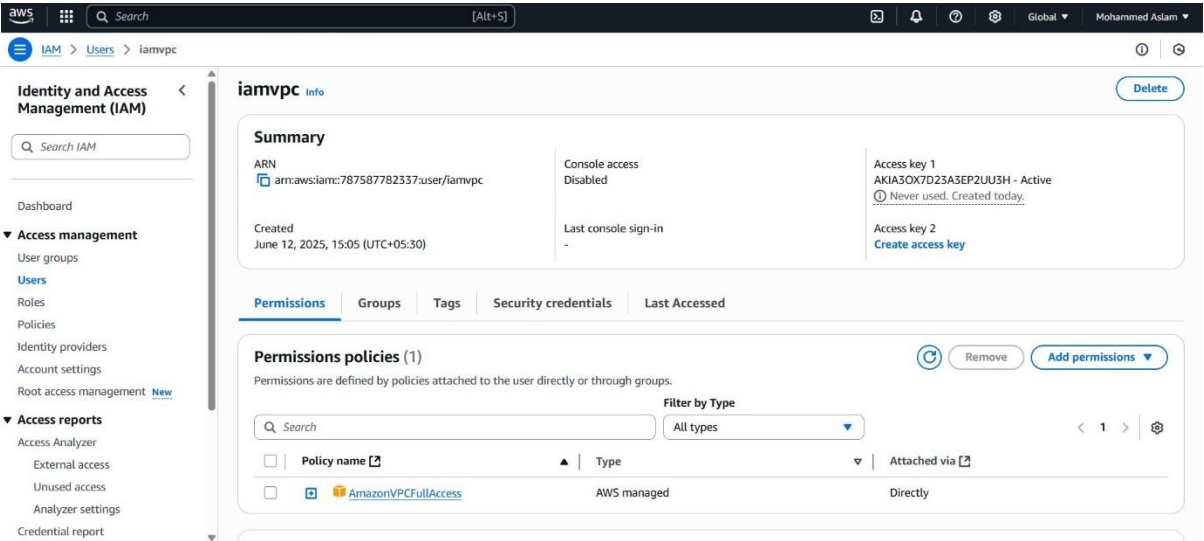
masla@Hplaptop MINGW64 ~/OneDrive/Desktop
$ chmod +x create_vpc_user.sh

masla@Hplaptop MINGW64 ~/OneDrive/Desktop
$ ./create_vpc_user.sh
Usage: ./create_vpc_user.sh <username>

masla@Hplaptop MINGW64 ~/OneDrive/Desktop
$ ./create_vpc_user.sh iamvpc
Creating IAM user: iamvpc
{
  "User": {
    "Path": "/",
    "UserName": "iamvpc",
    "UserId": "AIDA30X7D23AYJ3SKN3KZ",
    "Arn": "arn:aws:iam::787587782337:user/iamvpc",
    "CreateDate": "2025-06-12T09:35:39+00:00"
  }
}

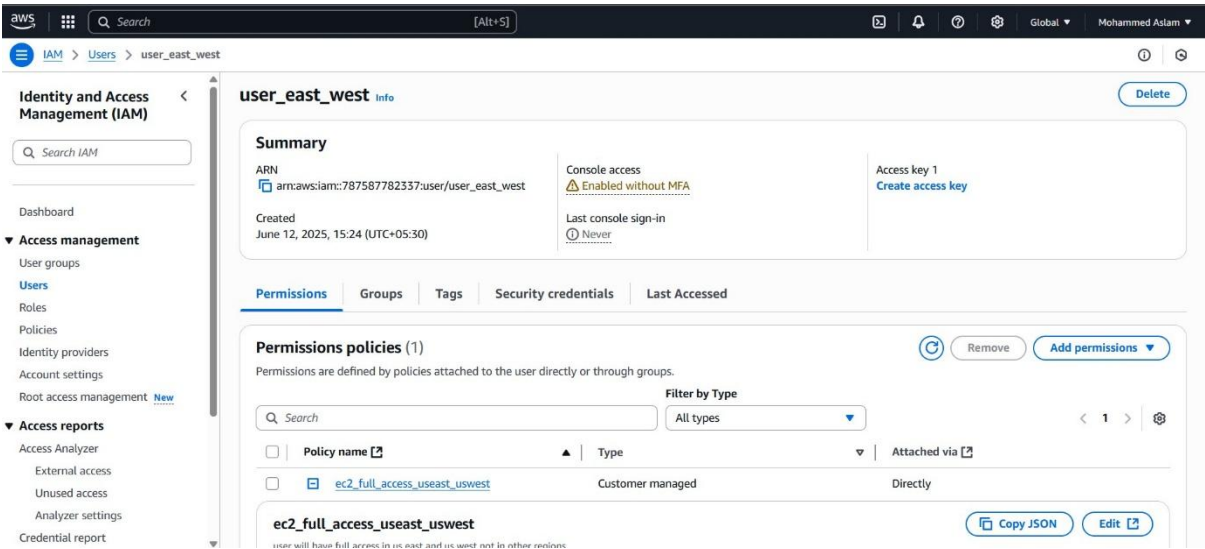
Attaching AmazonVPCFullAccess policy to iamvpc
Creating access key for iamvpc
Access key created successfully. Credentials saved in iamvpc_access_key.json

masla@Hplaptop MINGW64 ~/OneDrive/Desktop
$ cat iamvpc_access_key.json
{
  "AccessKey": {
    "UserName": "iamvpc",
    "AccessKeyId": "AKIA30X7D23A3EP2UU3H",
    "Status": "Active",
    "SecretAccessKey": "r4U9cjCQmLBLvULDnXkw2sQ94N9qJValw7n2ig3Q",
    "CreateDate": "2025-06-12T09:35:45+00:00"
  }
}
```



5) Create a IAM policy to access ec2 for a specific user in specific regions only.

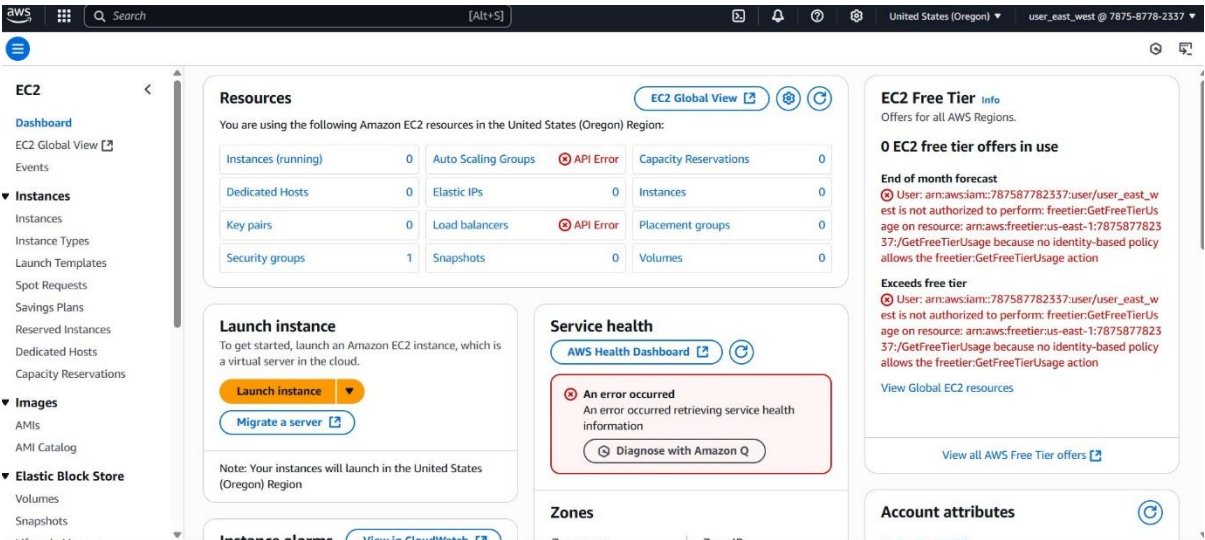
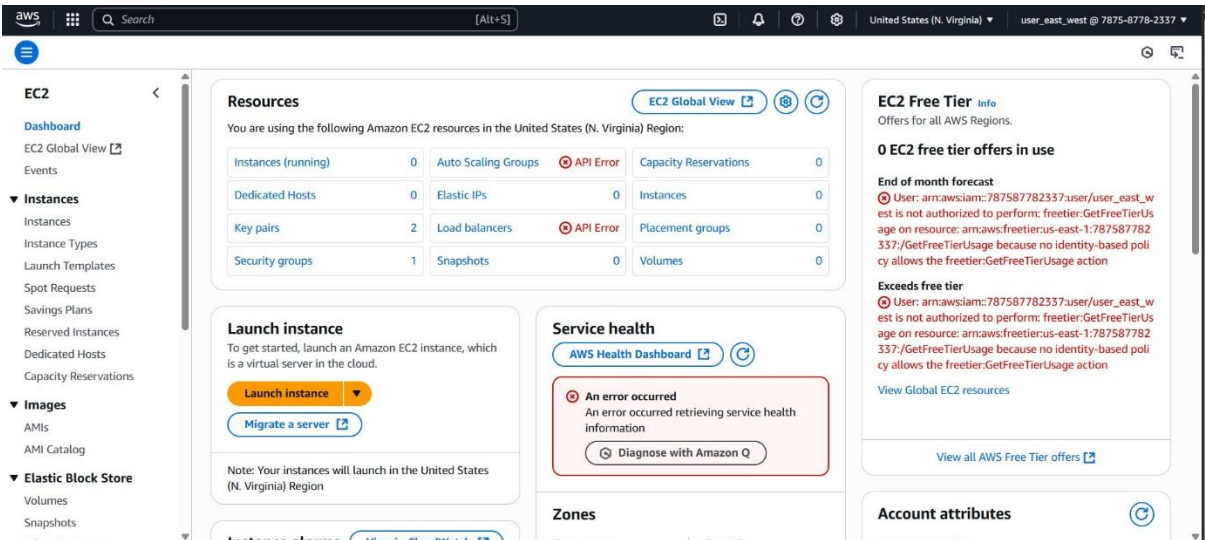
Created a policy and attached to user



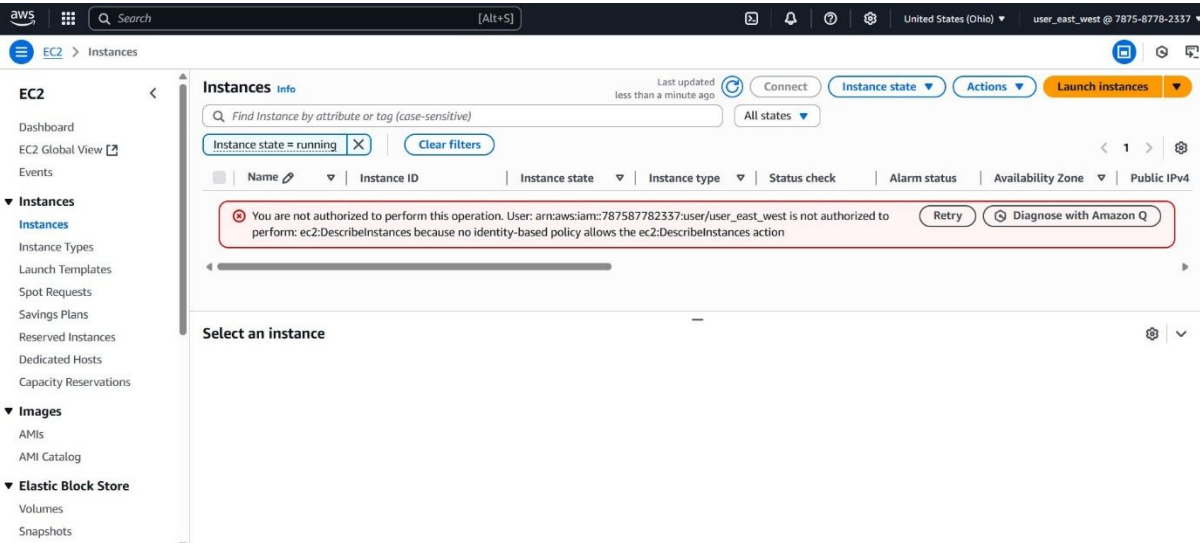
Verification

Tried to access using created user in different regions

Permission given regions where ec2 option is enabled

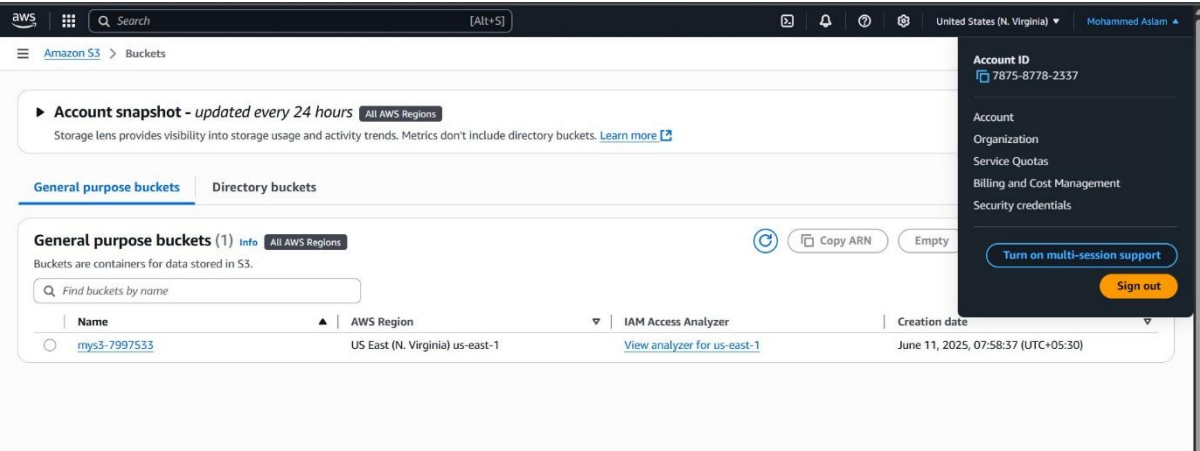


Permission not given regions where ec2 option is disabled and error is coming

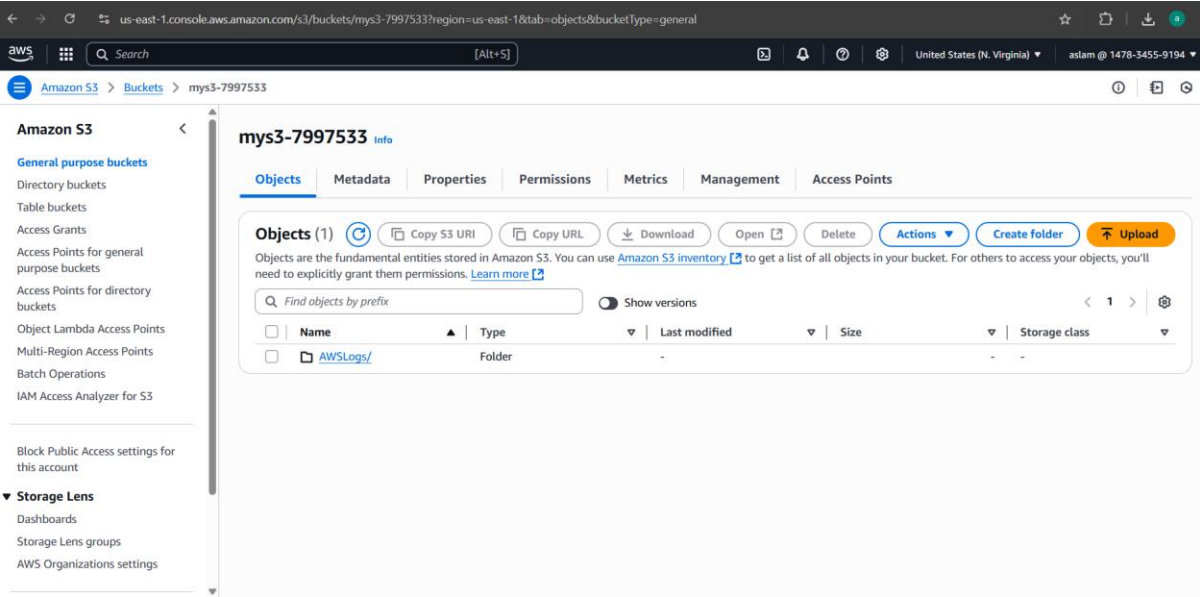


6) We have two accounts Account A and Account B, Account A user should access s3 bucket in Account B. (Collaborate with team member and execute this.Mostly asked in every interview)

Bucket original account



Accessed via cross account using gui from other account



Accessed via cli from other account

