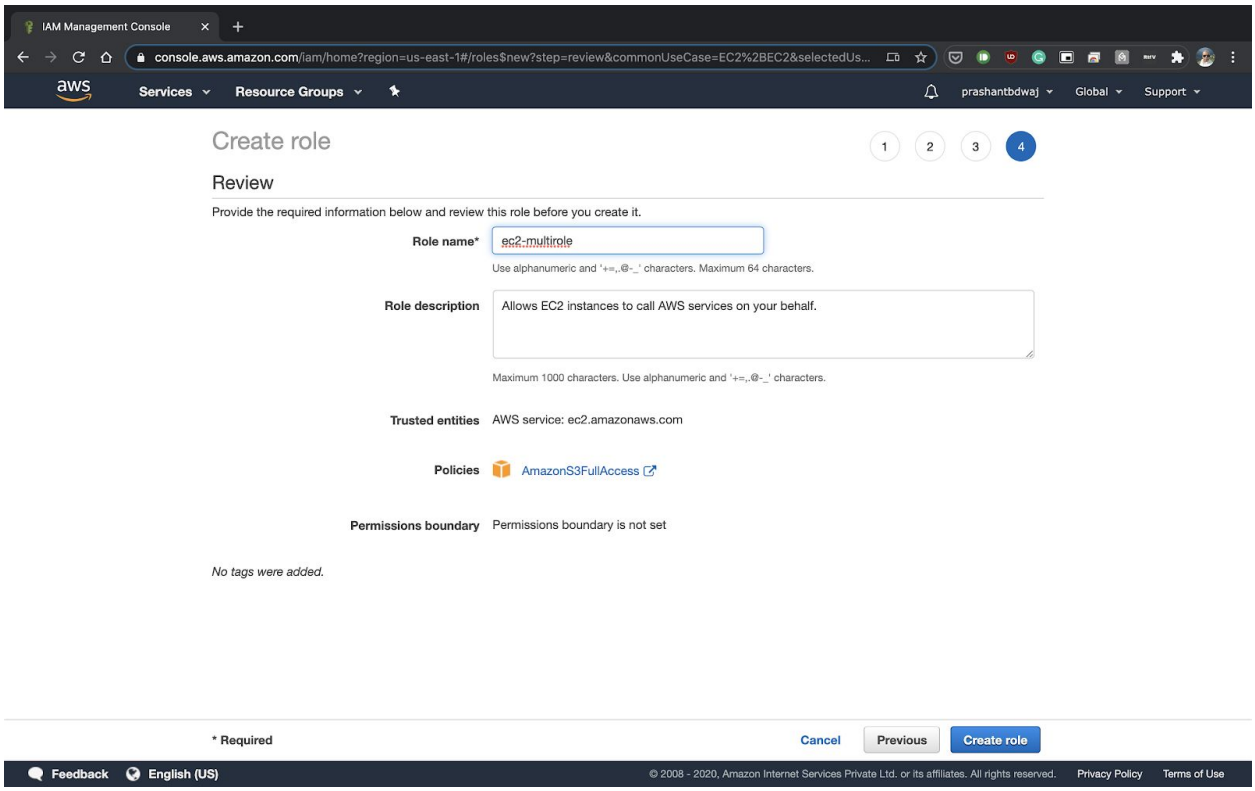
Requirements

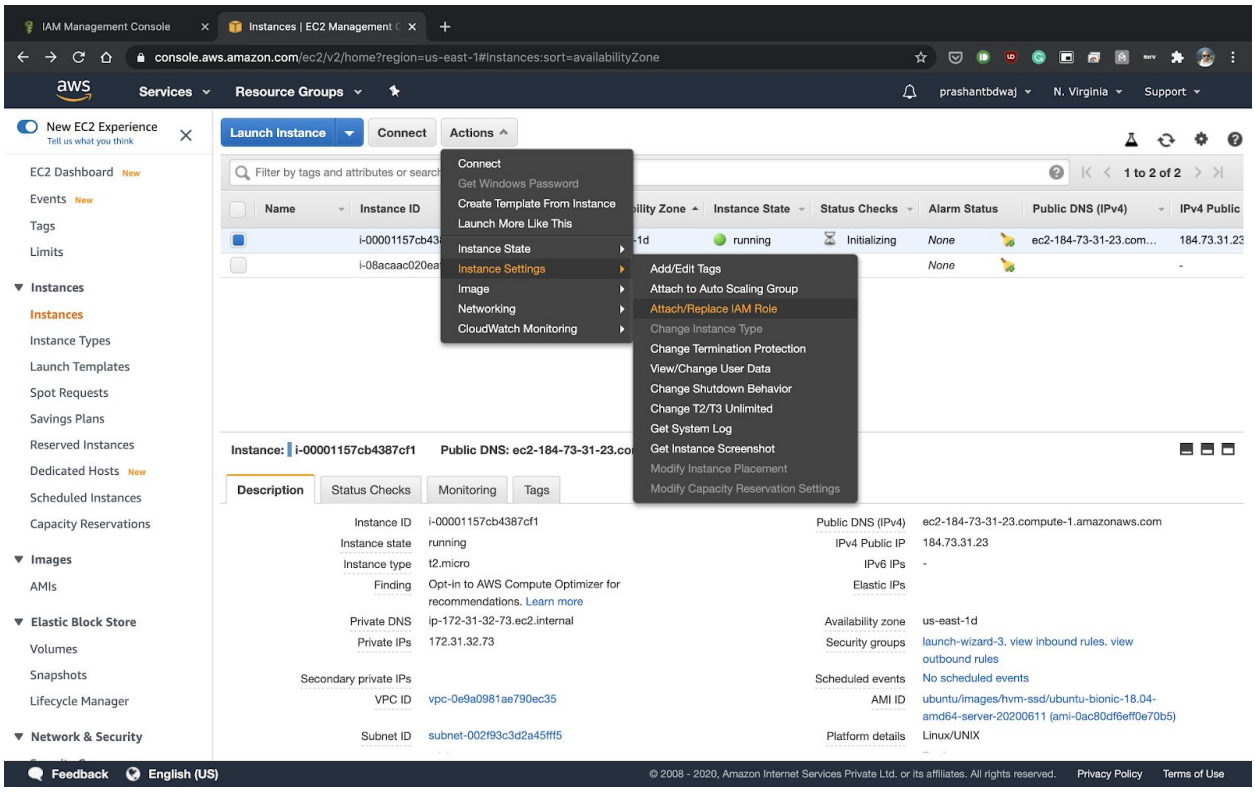
- An AWS account
- An S3 bucket
- An EC2 instance running Ubuntu 18.04 LTS

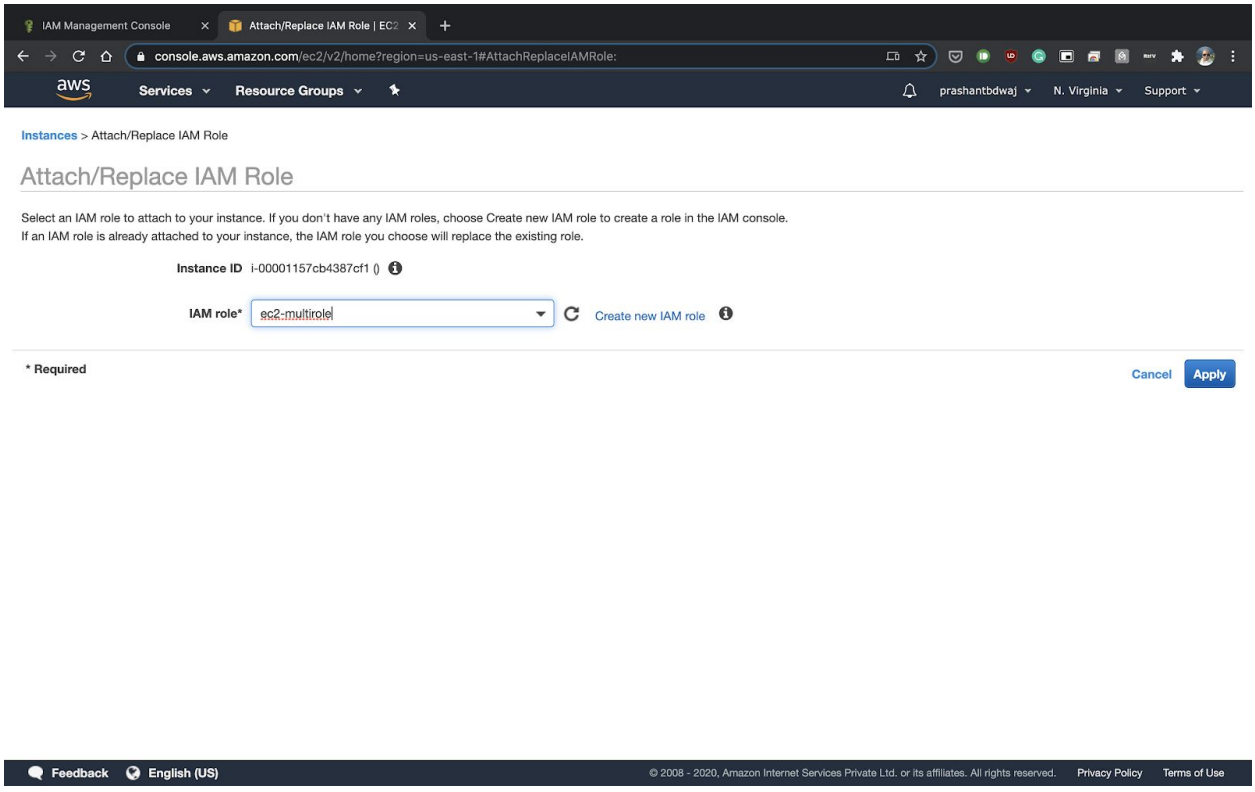
Steps to be followed

1. Create an IAM role with the name “ec2-multirole” and attach the policy “AmazonS3FullAccess” to it



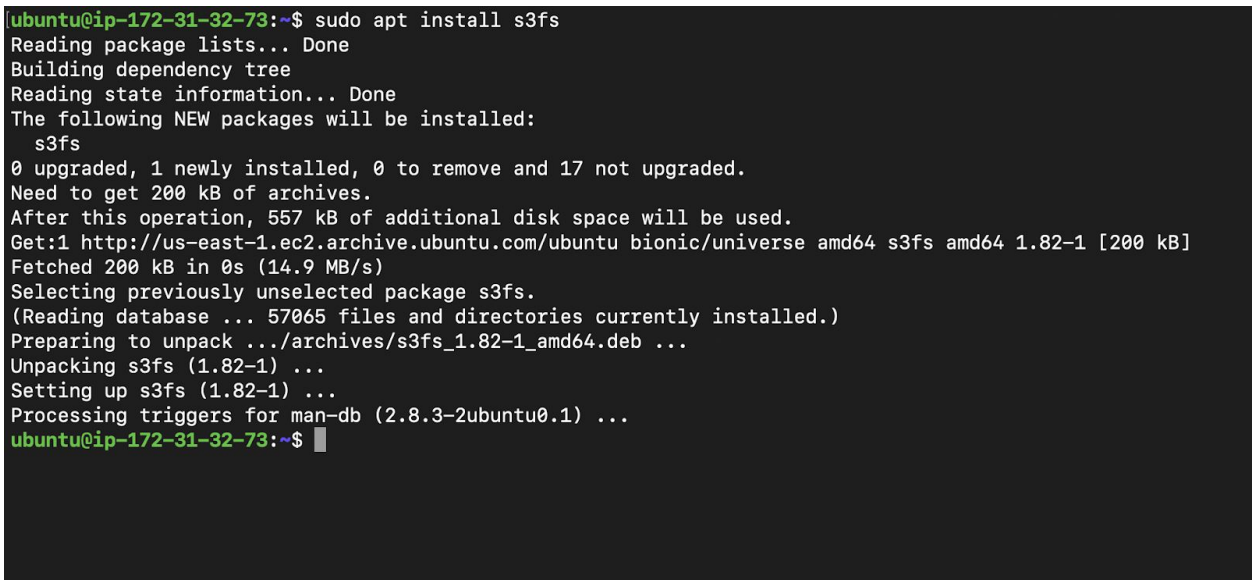
2. Navigate to EC2-> Instances
3. Attach the above role to the EC2 instance by selecting “Actions”->” Instance Settings”->” Attach/Replace IAM role” and selecting “ec2-multirole” from the dropdown





4. Log in to the EC2 instance via SSH and install S3FS using the following command

sudo apt update
sudo apt install s3fs



5. Create the directory to be used as the mount point and mount the bucket to that directory using the commands below

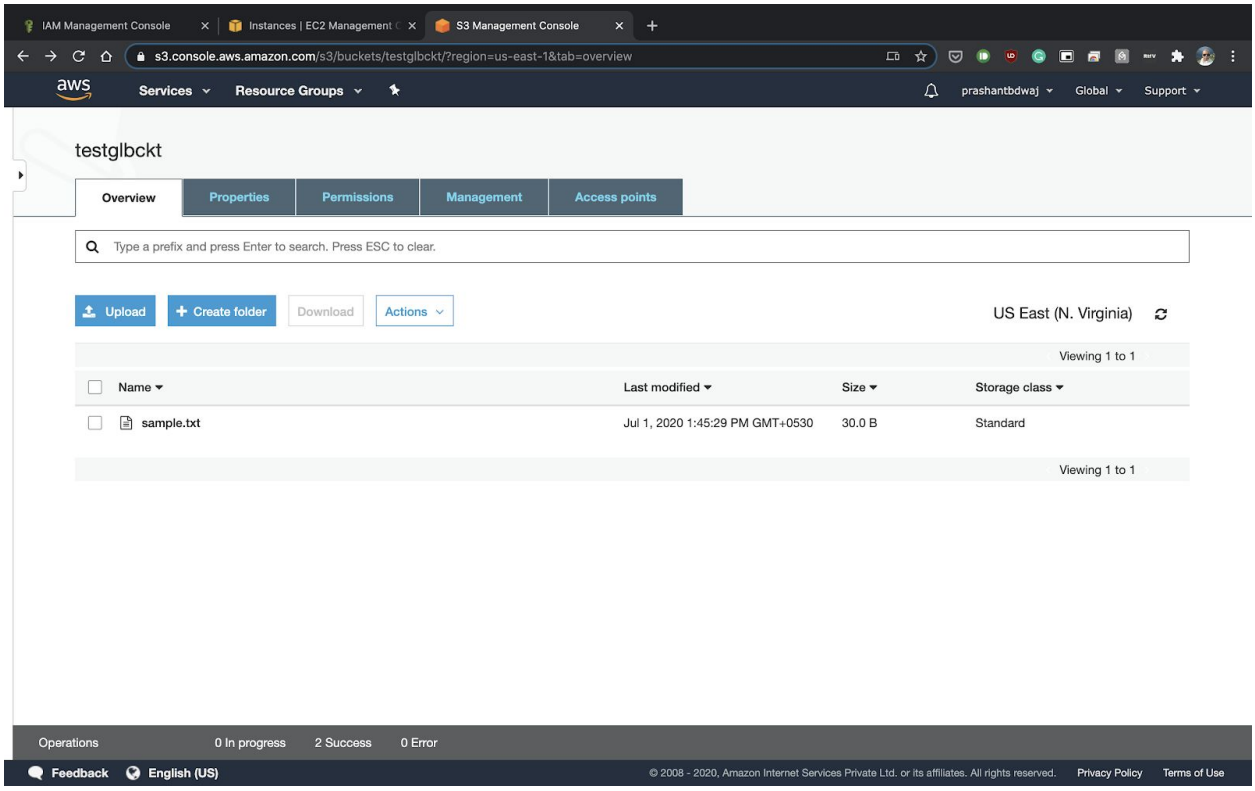
mkdir <directory-name>
s3fs <bucket name> <directory-name> -o iam_role='ec2-multirole'

6. To check whether the bucket has been mounted properly, create a text file inside the mount directory

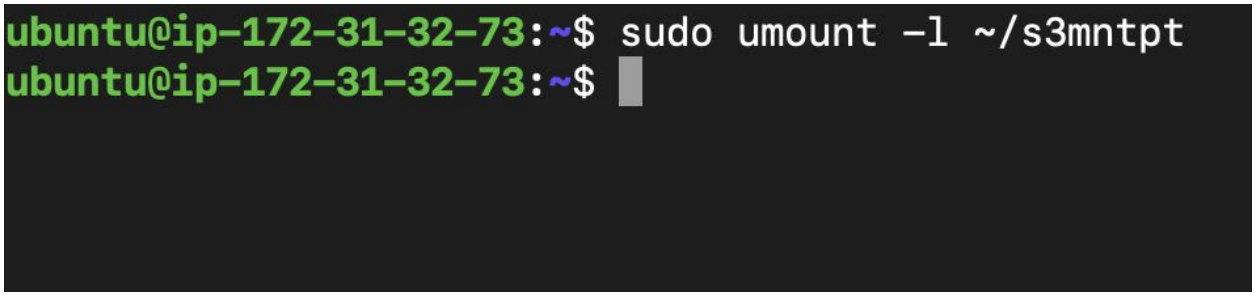
   echo "This file is created from EC2" > ~/<directory name>/sample.txt

```
ubuntu@ip-172-31-32-73:~$ echo "This file is created from EC2" > ~/s3mntpt/sample.txt
ubuntu@ip-172-31-32-73:~$
```

7. Check the S3 bucket to see if the file has been created



8. To unmount the bucket, use the commands below
   sudo umount -l <mount directory>



9. Follow the link below to learn more about s3fs and its installation in other operating systems.
   https://github.com/s3fs-fuse/s3fs-fuse