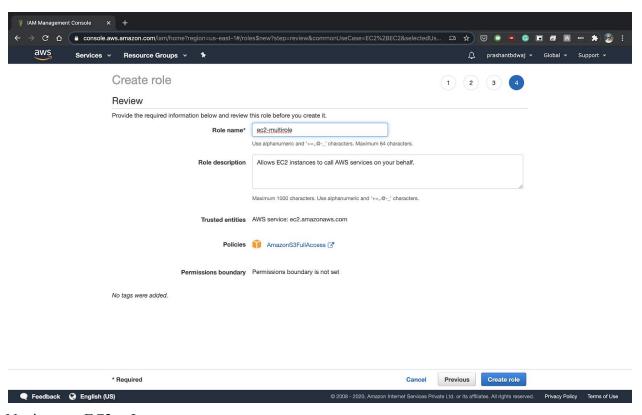


Requirements

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

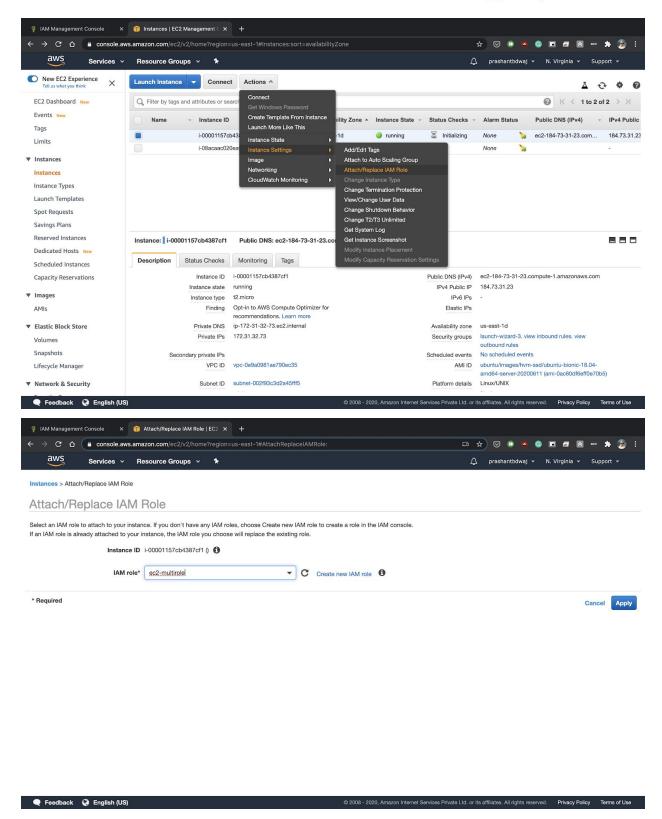
Steps to be followed

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

```
[ubuntu@ip-172-31-32-73:*$ sudo apt install s3fs
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
    s3fs
0 upgraded, 1 newly installed, 0 to remove and 17 not upgraded.
Need to get 200 kB of archives.
After this operation, 557 kB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 s3fs amd64 1.82-1 [200 kB]
Fetched 200 kB in 0s (14.9 MB/s)
Selecting previously unselected package s3fs.
(Reading database ... 57065 files and directories currently installed.)
Preparing to unpack .../archives/s3fs_1.82-1_amd64.deb ...
Unpacking s3fs (1.82-1) ...
Setting up s3fs (1.82-1) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
ubuntu@ip-172-31-32-73:~$
```

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'
```

```
[ubuntu@ip-172-31-32-73:~$ mkdir s3mntpt
[ubuntu@ip-172-31-32-73:~$ s3fs testglbckt s3mntpt -o iam_role='ec2-multirole'
ubuntu@ip-172-31-32-73:~$ ■
```

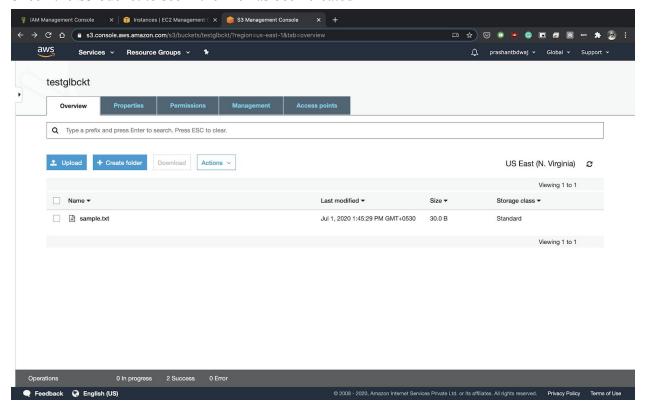


6. To check whether the bucket has been mounted properly, create a text file inside the mount directory

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>*

```
ubuntu@ip-172-31-32-73:~$ sudo umount -l ~/s3mntpt ubuntu@ip-172-31-32-73:~$ ■
```

9. Follow the link below to learn more about s3fs and its installation in other operating systems.

https://github.com/s3fs-fuse/s3fs-fuse