**Connecting EC2 Instance to S3 using IAM Role**

First, we need to create an IAM Role with AmazonS3FullAccess.

Then go to EC2 dashboard and select the instance and click on actions. Then select instance settings and select “Modify IAM role”.

Then select the role created with S3FullAccess and click save. Now this instance can access the Buckets in S3 service.

Now open putty and log into the instance.

**Connecting to S3 from EC2**

For accessing S3 from EC2 instance we need to install AWSCLI.

$ sudo apt-get install awscli

After successfully installing awscli we are set ready to access S3 Buckets and Objects from S3.

**List all S3 Buckets**

$ aws s3 ls

**List all objects and folders in a bucket**

$ aws s3 ls s3://bucket-name

**Remove object from the bucket**

$ aws s3 rm s3://bucket-name/file-name

**Remove bucket**

$ aws s3 rb s3://bucket-name

**Note:** If the bucket is not empty then it raises error the bucket you tried to delete is not empty. Then we need to delete all versions from aws management console and make the bucket empty.

$ aws s3 rb s3://bucket-name –force

**Note:** if we don’t have Delete Access in attached IAM Role then we will get Access Denied error.

**Copying files**

1. **Copy from local to s3 bucket**

$ aws s3 cp <local path> <s3 path>

**Ex:** aws s3 cp ./tempfile.txt s3://bookstore-user-profile

**Note:** To copy file from local directory to s3 bucket we need to give PUT access in attached IAM role otherwise will get Access Denied error.

1. **Copy from s3 bucket to s3 bucket**

$ aws s3 cp <source s3 bucket file path> <target s3 bucket path>

1. **Copy from s3 bucket to local**

$ aws s3 cp <s3 bucket file path> <local path>