

# TNGS LAB - Moving files in and out of AWS S3 Bucket with AWS CLI

## Copy file from S3 to EC2 Instance

### Use Case Scenario

Client has uploaded some data in s3 bucket. This data needs to be moved into an EC2 instance so the application running within the EC2 can consume this data.

**Create an IAM user with programmatic access.**

1. Log into AWS management console and navigate to the IAM service.
2. Create an IAM user with programmatic access.
3. Download generated CSV file from created user.
4. Attach **Administrator** policy to the above created user.

**Launch an EC2 instance and login to your AWS account using [AWS CLI](#)**

1. Sign into AWS management console
2. Launch a new Linux EC2 instance with amazon linux 2 AMI
3. Log into the new EC2 instance and verify AWS CLI is installed by running the below command
  - `$ aws --version`
4. Log into aws CLI
5. `$ aws configure` and provide login information
  - Access key ID:
  - Secret key:
  - Default region: us-east-1
  - Output format: Json
6. Issue the below command to copy from s3 bucket to current directory in EC2 instance
  - `$ aws s3 cp s3://bucketname/filename filename`

## Copy file from EC2 Instance to S3 bucket

1. Create a test file to copy to s3 bucket
2. `$ echo "testfile" > testfile.txt`
3. `$ aws s3 cp testfile.txt s3://bucketname/testfile.txt`