**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**](https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2-linux.html#cliv2-linux-install)

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**