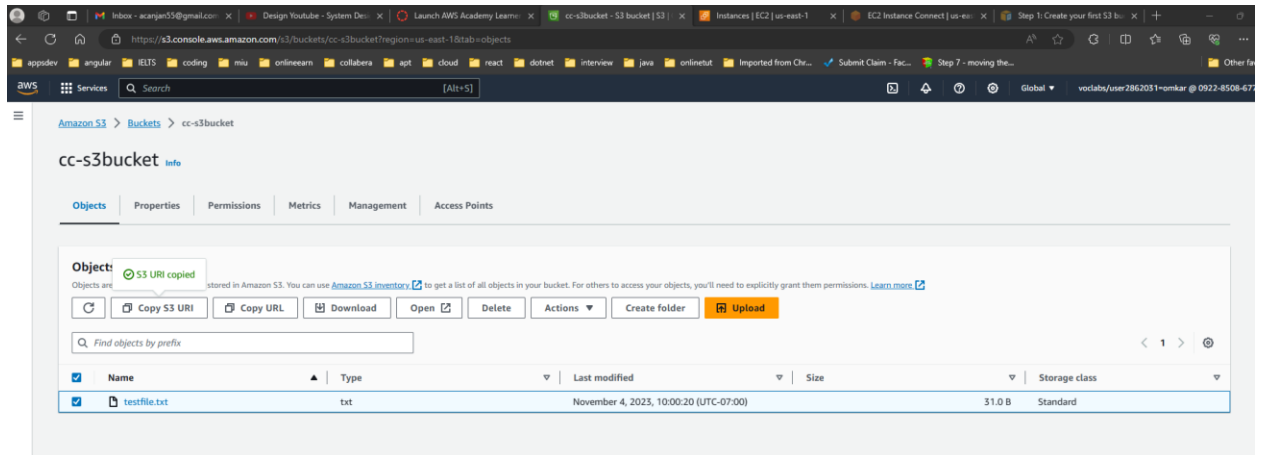


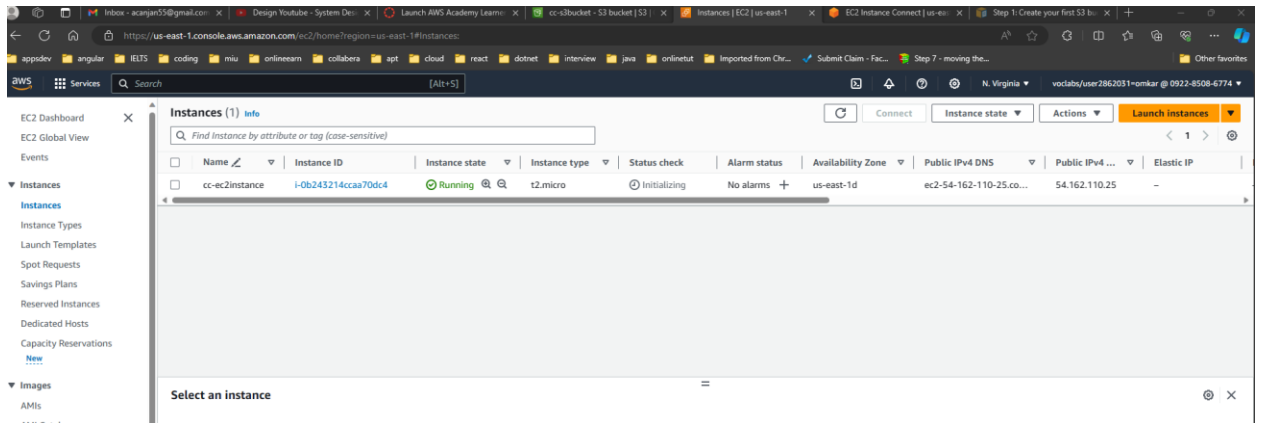
Lab3

1. Download/Upload a file from S3 in EC2

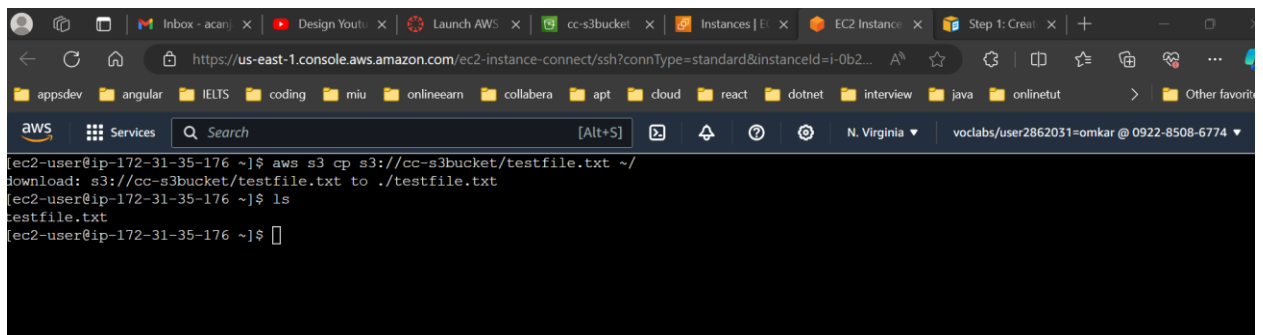
Step1: Create s3-bucket:



Step2: Create EC2 instance:

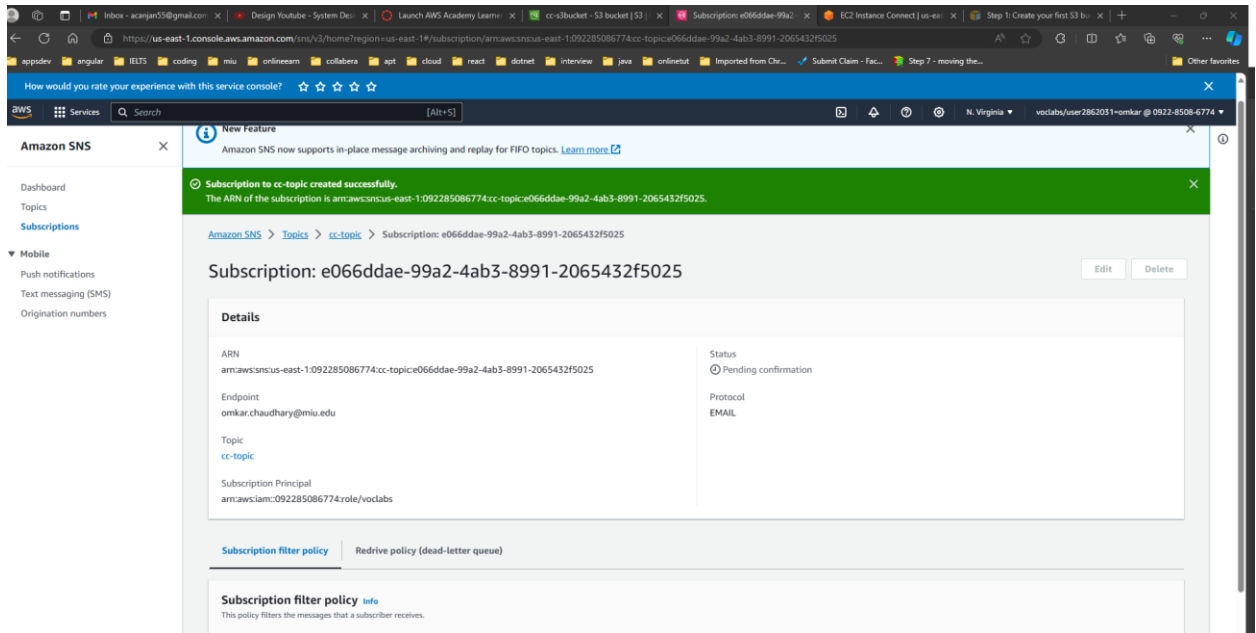


Step3: Download file from S3 to EC2 instance

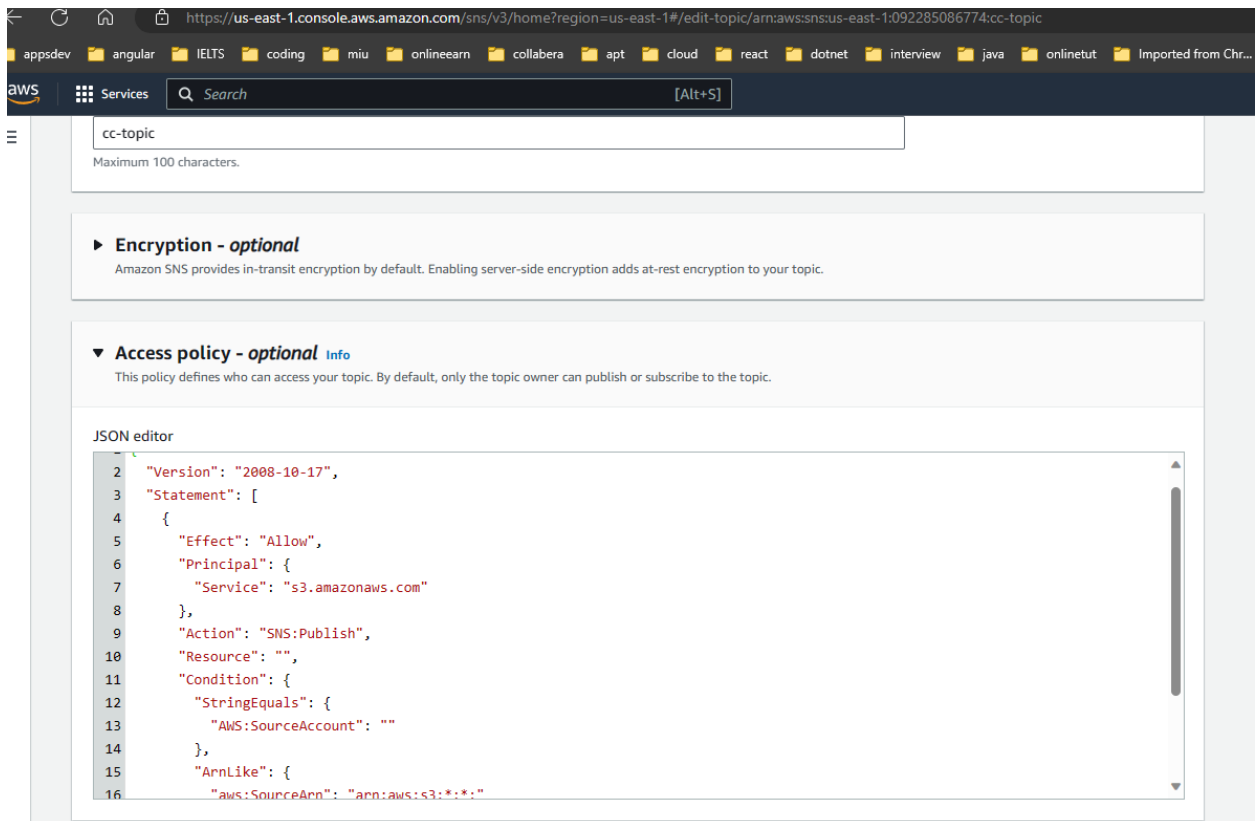


2. S3 Event Notification:

Step1: create topics and subscription:



Step2: update Policy:



Step3: Create Bucket Policy

The screenshot shows the AWS Management Console for the bucket 'cc-s3bucket'. The 'Permissions' tab is selected, displaying the 'Permissions overview' and 'Bucket policy' sections. The 'Block public access' toggle is turned off. The bucket policy is shown in JSON format, granting public access to all objects in the bucket.

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "GrantS3PermissionToPublicUsers",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:PutObject",
      "Resource": "arn:aws:s3:::cc-s3bucket/*"
    }
  ]
}
```

Step3: create event notification.

The screenshot shows the AWS Management Console for the bucket 'cc-s3bucket'. The 'Properties' tab is selected, displaying the 'Event notifications' section. A new event notification has been created, named 'cc-event-notification', which sends notifications for all object create events to an SNS topic.

Name	Event types	Filters	Destination type	Destination
cc-event-notification	All object create events	-	SNS topic	cc-topic

Step4: receiving notification

All Unread

By Date

↑

Today

cc-topic

Amazon S3 Notification

2:21 PM

cc-topic

Notification from AWS Topics

2:07 PM

cc-topic

AWS Notification - Subscription Co...

12:41 PM

Wednesday

Compro Health

MIU Student Health Insurance Invo...

Wed 9:13 AM

Invoice: Payment for MIU Student

Amazon S3 Notification

CT

cc-topic <no-reply@sns.amazonaws.com>

To Omkar Nath Chaudhary

2:21 PM

```
{
  "Service": "Amazon S3",
  "Event": "s3:TestEvent",
  "Time": "2023-11-04T21:20:56.131Z",
  "Bucket": "cc-s3bucket",
  "RequestId": "XKCE67B7C5CX13VN",
  "HostId": "Fp0y4A31+8jh2OUX3iGTqoRuJj6DOhh53gmXVQT124CqBDXz0HMr4s2gMJvzC63I9sMvFID1qAM="
}
```

--

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:

<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:092285086774:cc-topic:e066ddae-99a2-4ab3-8991-2065432f5025&Endpoint=omkar.chaudhary@miu.edu>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

3. S3 Signed URL

Step1. Create Lambda Function and URL

<https://cjpqtt745vgh2ywivmedrjlxhe0kpwux.lambda-url.us-east-1.on.aws/>

Step2. Test the Lambda Function

