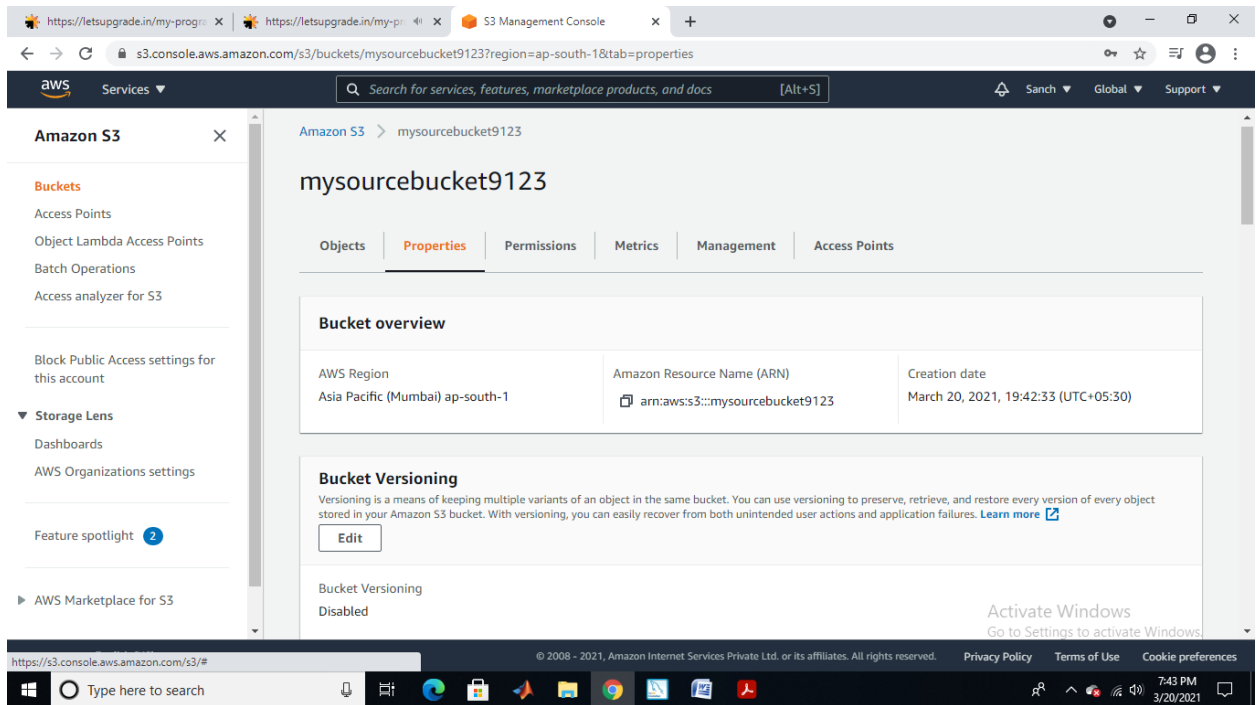
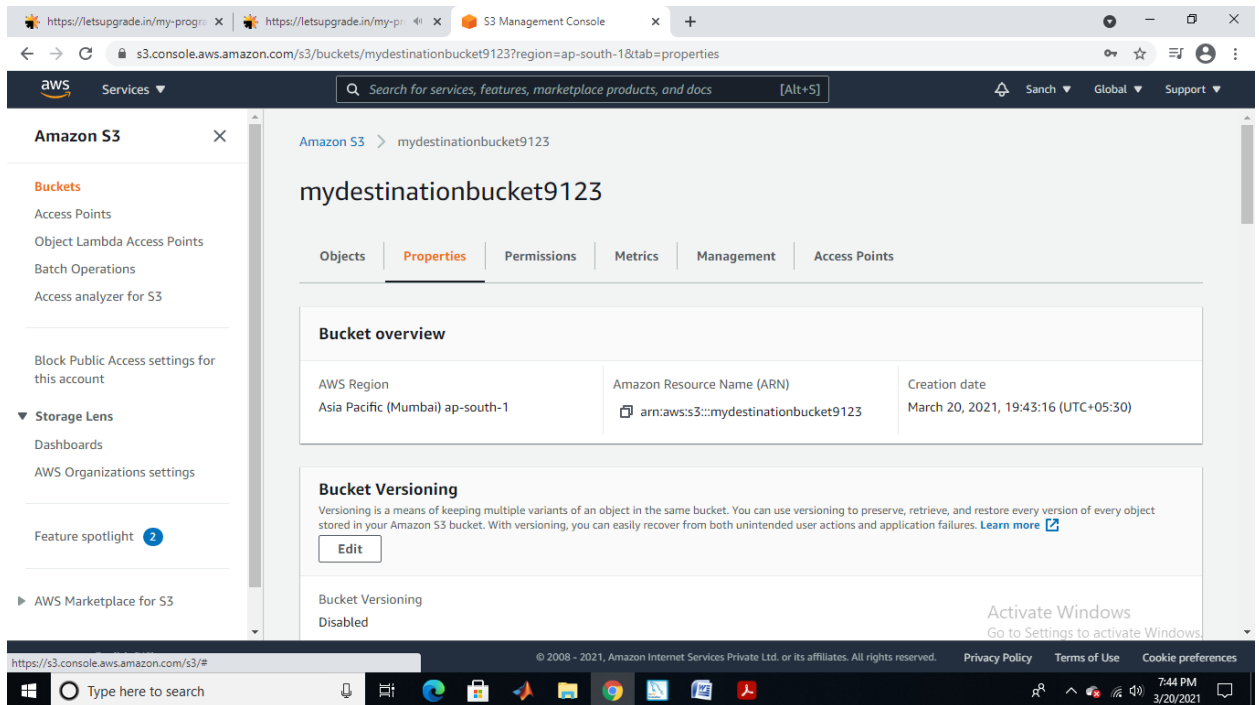


WORKING WITH LAMBDA.

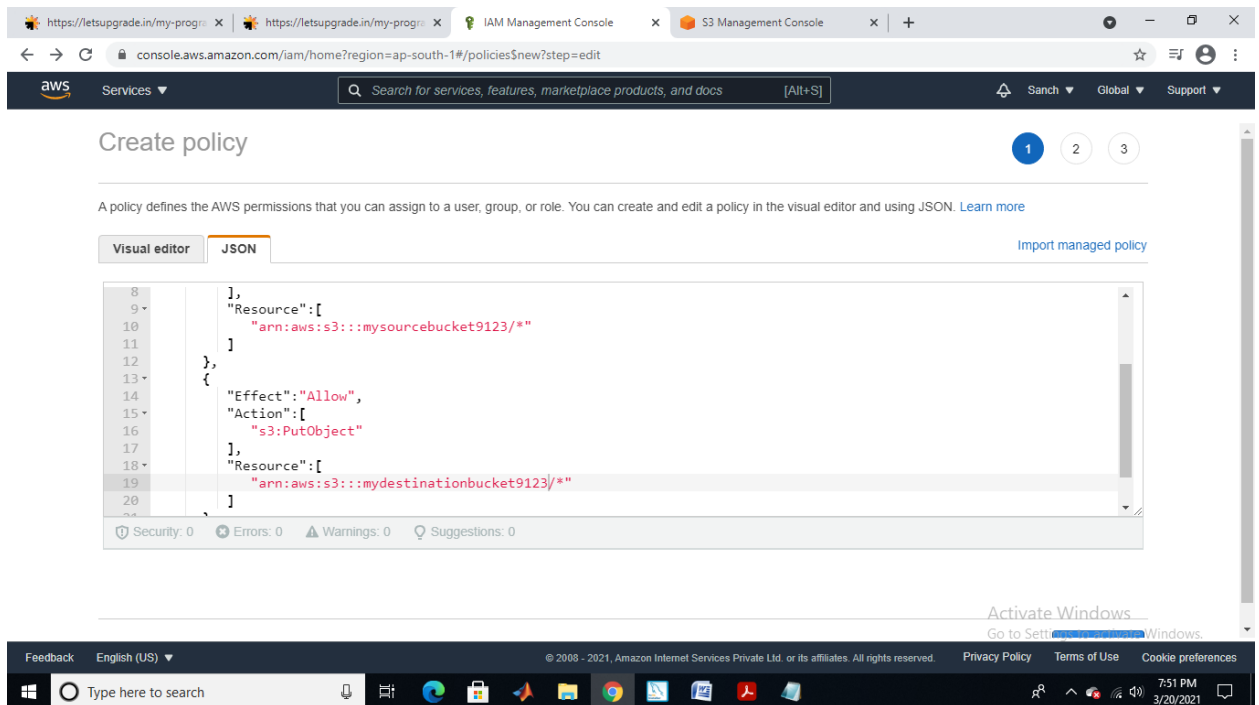
1. Two s3 buckets with the name = sourcebucket arn:aws:s3:::mysourcebucket9123 destinationbucket arn:aws:s3:::mydestinationbucket9123 are created.



Destination S3 bucket



A policy1 with limited Read-write permissions using a JSON script is created. JSON script is displayed in below screenshot.



Policy1 console with policy filtered

The screenshot shows the AWS IAM console 'Review policy' page for a policy named 'Policy1'. The page is in the 'Review' step of the policy creation process. The 'Name' field is 'Policy1' and the 'Description' is 'policy1 for source and destination s3 buckets'. The 'Summary' section shows a table of services that the policy applies to, filtered to show only S3. The 'Tags' section shows a single tag with the key 'policy' and value 'one'.

Review policy

Name* Policy1
Use alphanumeric and '+', '@', '_' characters. Maximum 128 characters.

Description policy1 for source and destination s3 buckets
Maximum 1000 characters. Use alphanumeric and '+', '@', '_' characters.

Summary

Filter

Service	Access level	Resource	Request condition
Allow (1 of 275 services) Show remaining 274			
S3	Limited: Read, Write	Multiple	None

Tags

Key	Value
policy	one

Activate Windows
Go to Settings to activate Windows.

Feedback English (US) © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

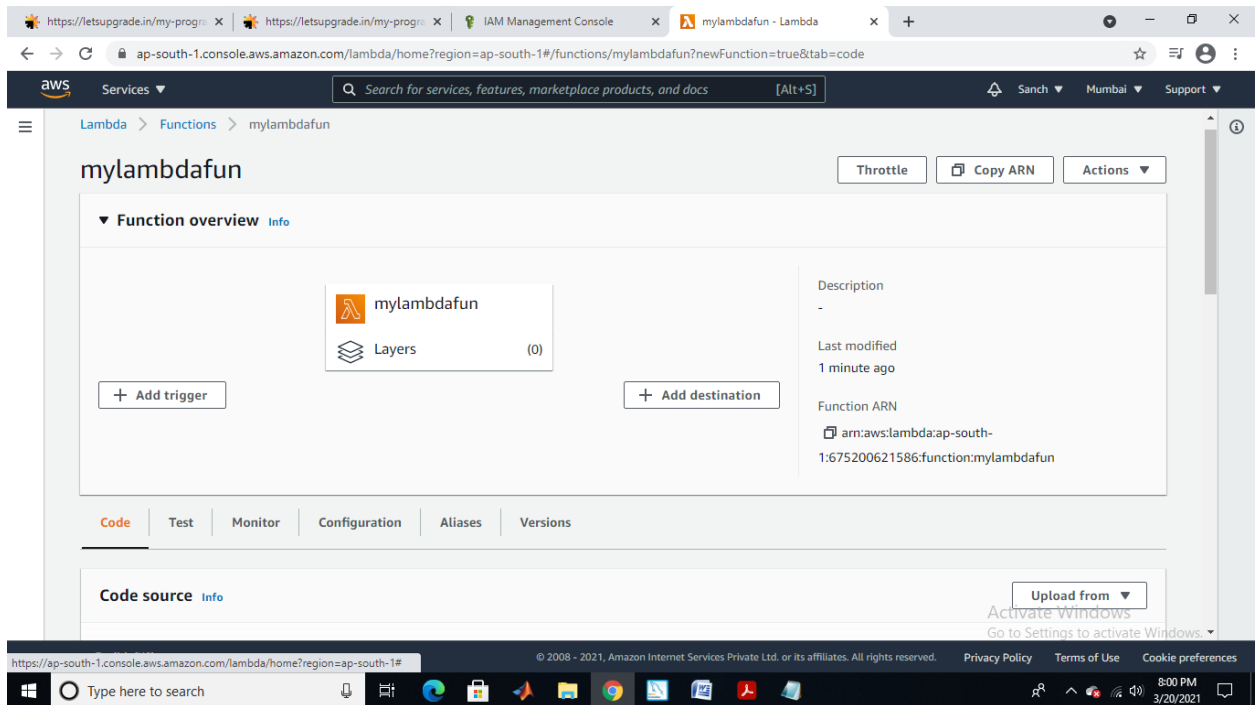
A role with attached Policy1 that was created in the previous step. Below is the Role console showing details of the role

:

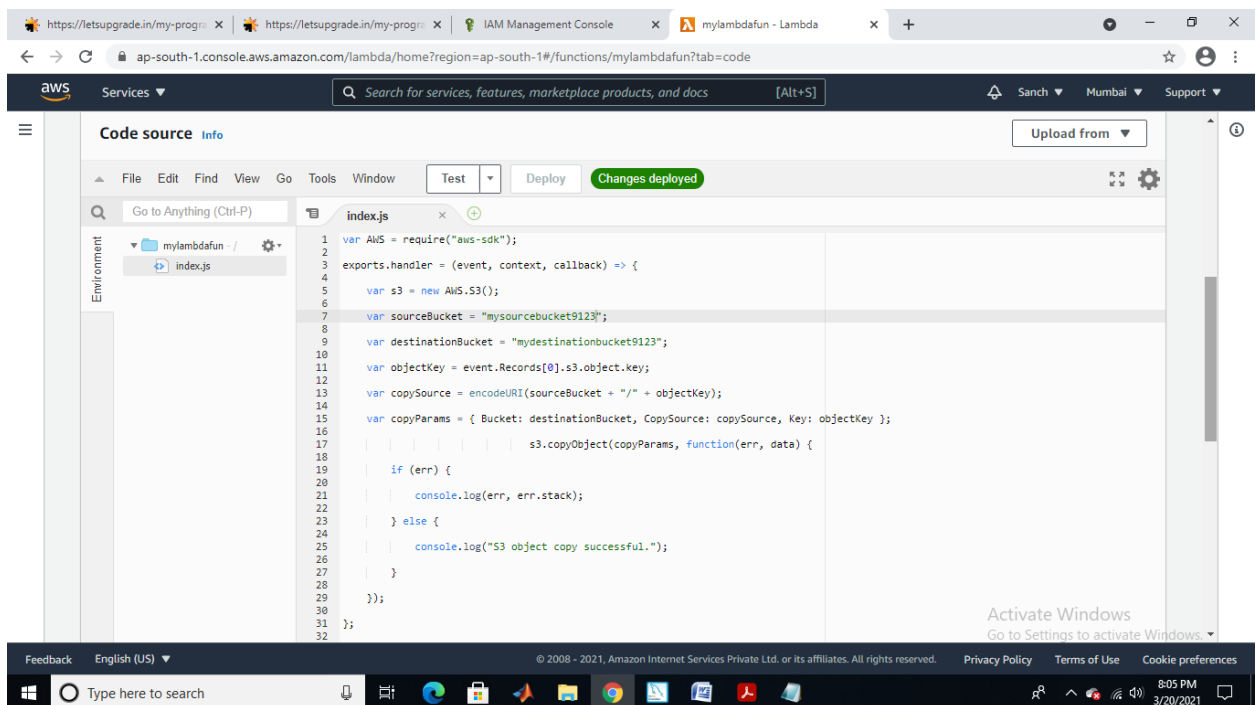
The first screenshot shows the 'Create role' wizard in the AWS IAM console. The role name is 'Role1', the description is 'Allows Lambda functions to call AWS services on your behalf.', and the trusted entity is 'AWS service: lambda.amazonaws.com'. The permissions boundary is not set. A tag with key 'policy2' and value 'two' is added.

The second screenshot shows the 'Summary' page for the newly created role 'Role1'. The role ARN is 'arn:aws:iam::675200621586:role/Role1'. The role description is 'Allows Lambda functions to call AWS services on your behalf.' The creation time is '2021-03-20 19:54 UTC+0530'. The role has one policy attached, 'Policy1', which is a managed policy. The permissions boundary is not set.

Lambda function named mylambdafun is created.

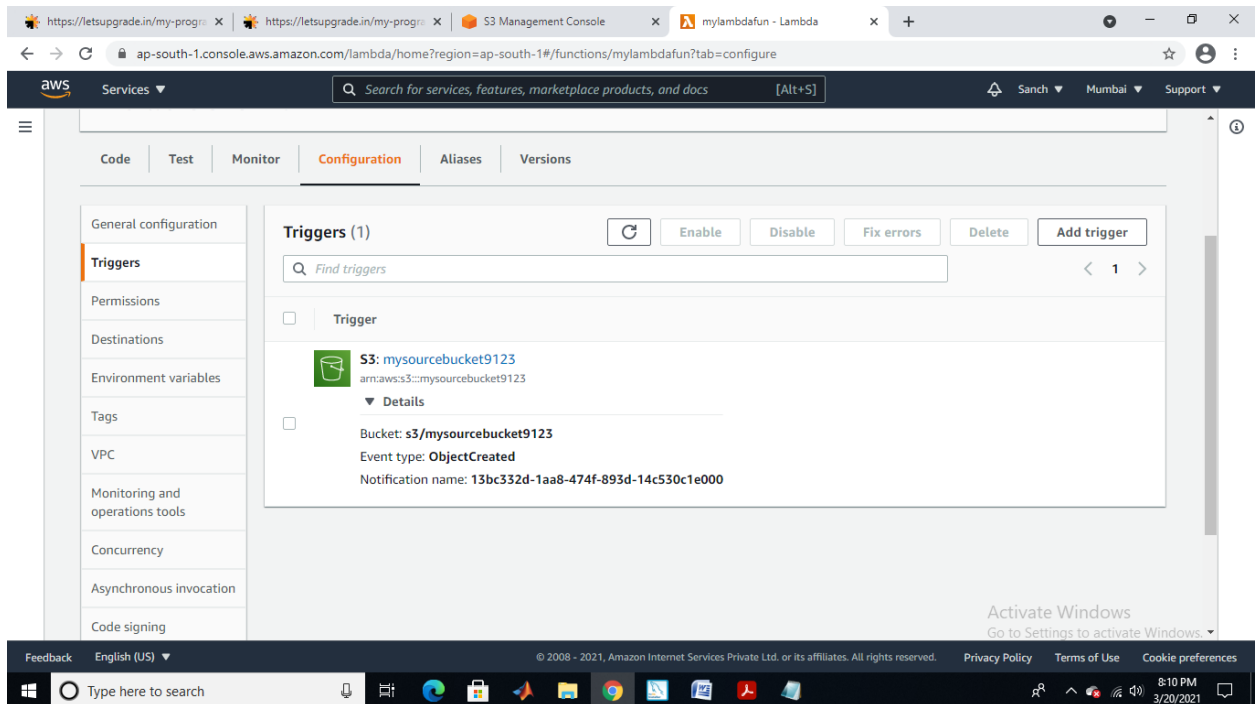


JSON file edited is shown below.

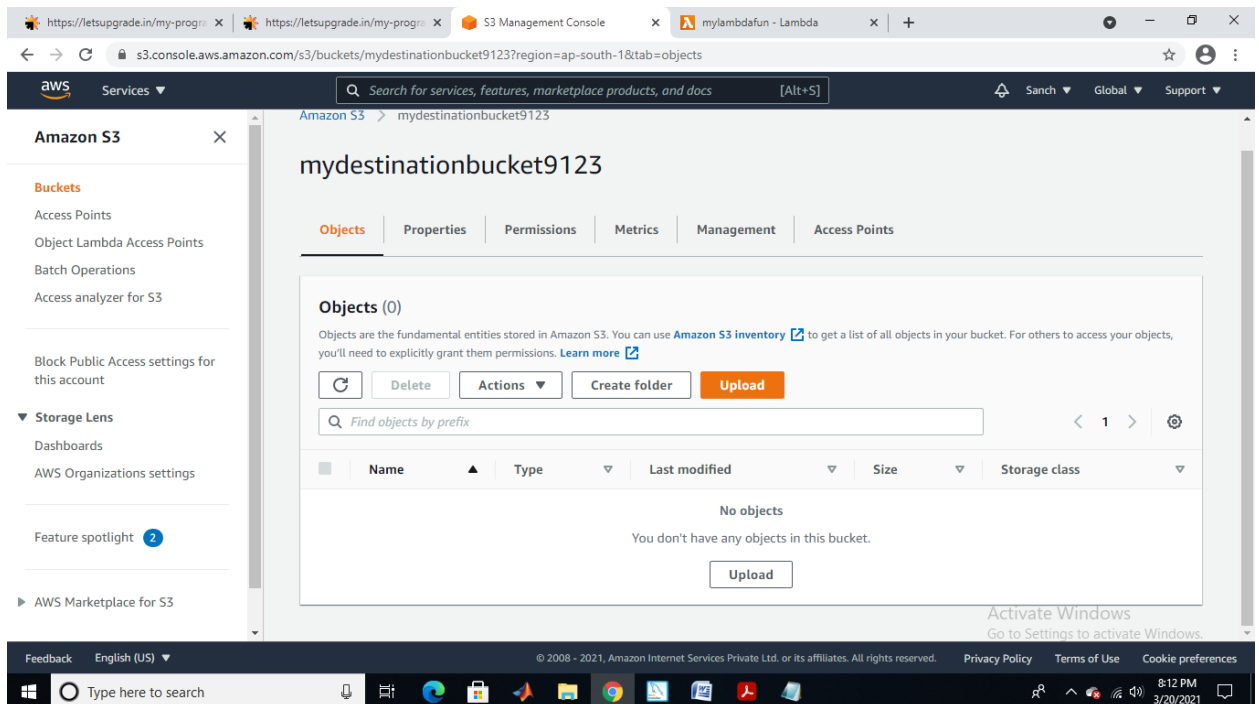


Adding triggers Trigger with -s3,bucket name, confirmation for having

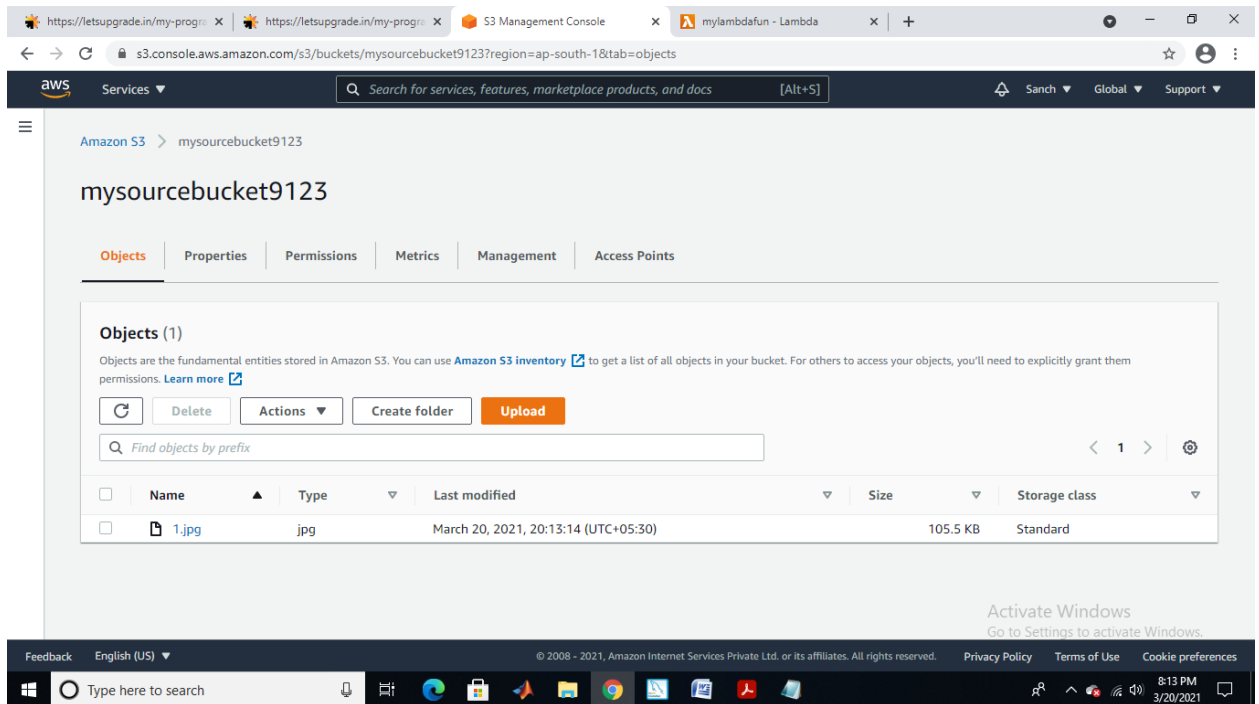
separate buckets to the lambda function and lambda configuration page with trigger added details are displayed in upcoming screenshots.



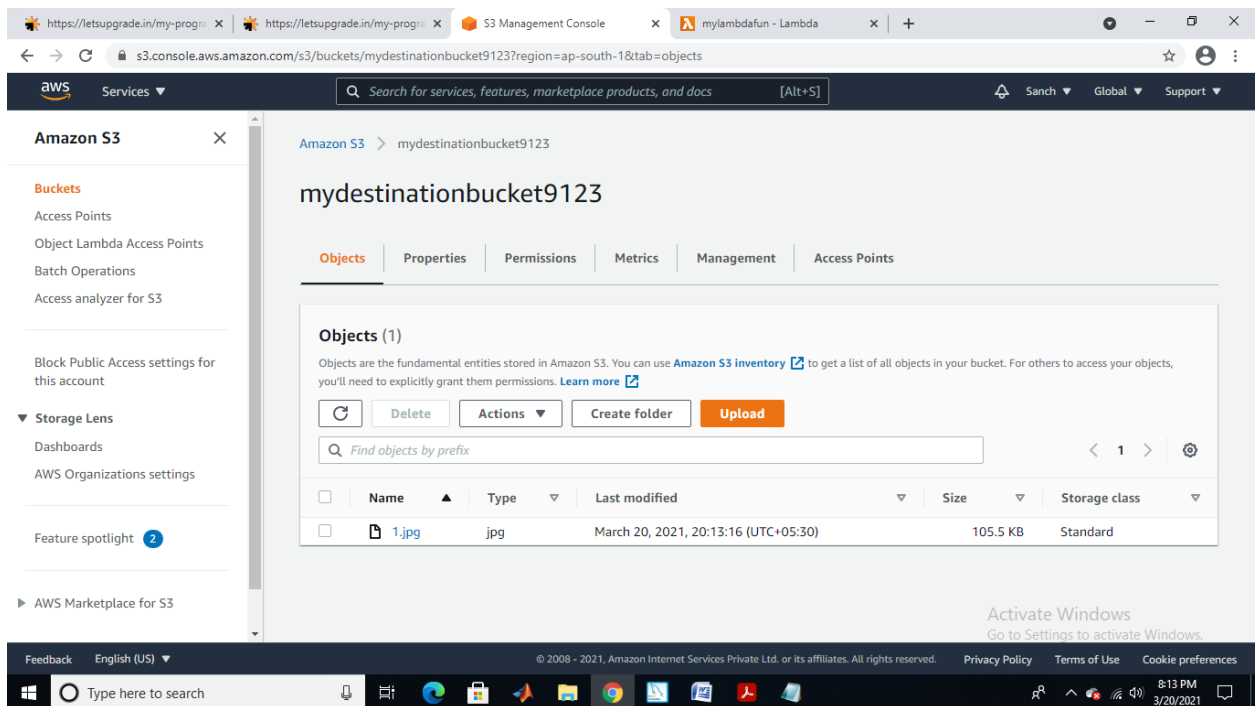
The destination bucket has no objects uploaded before trigger.



1.jpg file is uploaded in source bucket.



After trigger, destination bucket has 1.jpg uploaded.



2: Working with Elastic container service using fargate.

Container and task definition is created.

The screenshot shows the AWS Management Console for the 'sample-app' task definition. It lists four containers: 'sample-app' (image: httpd:2.4, memory: 0.5GB (512), cpu: 0.25 vCPU (256)), 'nginx' (image: nginx:latest, memory: 0.5GB (512), cpu: 0.25 vCPU (256)), 'tomcat-webserver' (image: tomcat, memory: 2GB (2048), cpu: 1 vCPU (1024)), and 'custom' (image: --, memory: --, cpu: --). Below the containers, the 'Task definition' section shows the following configuration:

- Task definition name: first-run-task-definition
- Network mode: awsvpc
- Task execution role: Create new
- Compatibilities: FARGATE
- Task memory: 0.5GB (512)

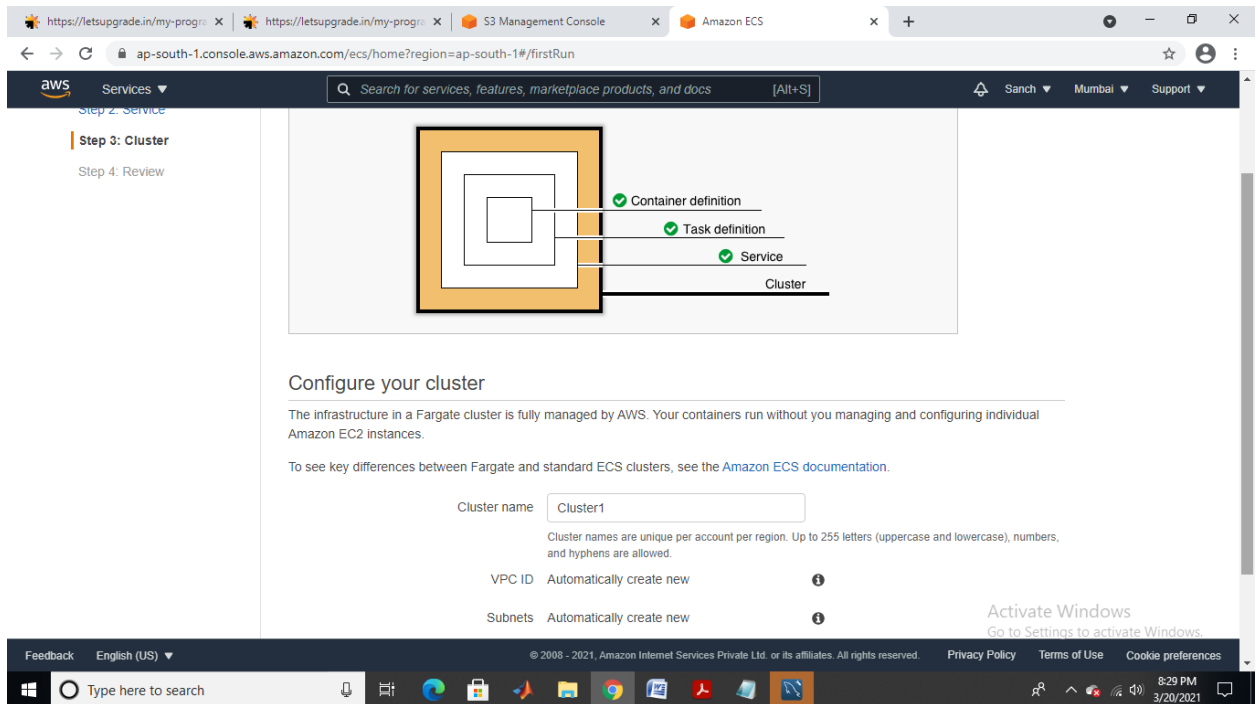
An 'Edit' button is visible next to the task definition name.

The screenshot shows the 'Define your service' page in the AWS Management Console. It includes a sidebar with navigation links: 'Step 2: Service', 'Step 3: Cluster', and 'Step 4: Review'. The main content area shows the following configuration:

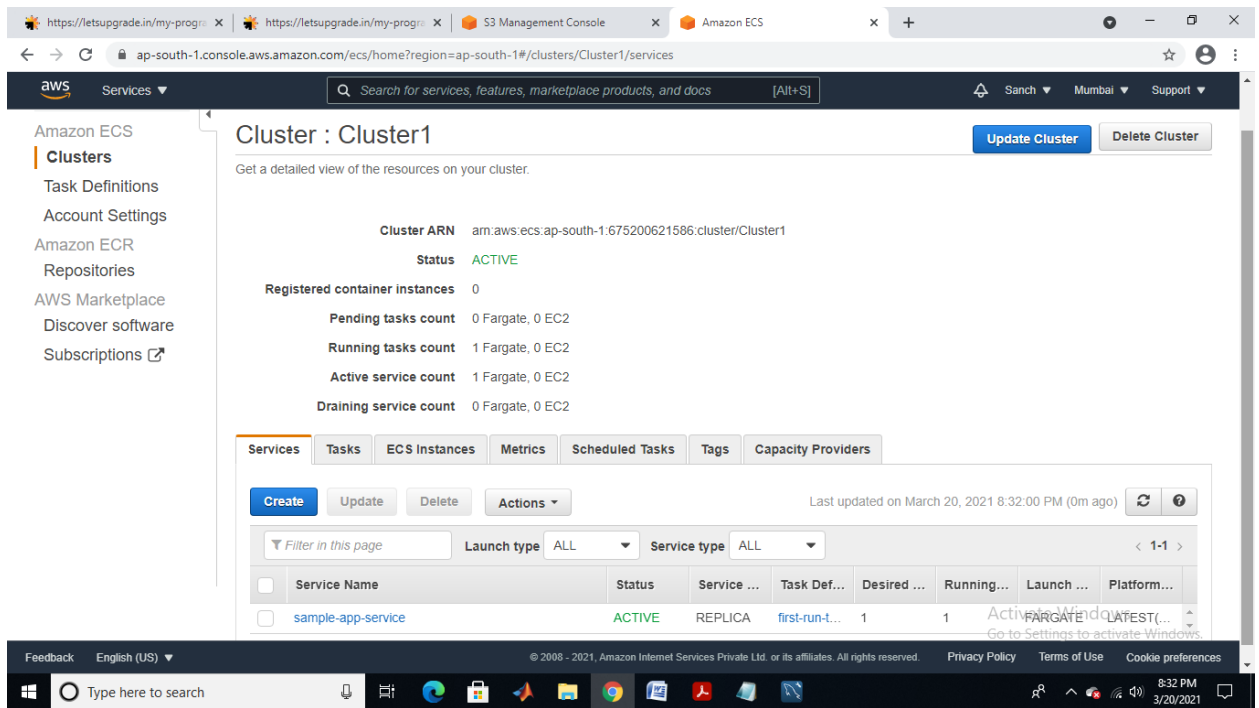
- Service name: sample-app-service
- Number of desired tasks: 1
- Security group: Automatically create new

A diagram titled 'Diagram of ECS Objects and how they relate' is shown, illustrating the relationship between a 'Container definition', 'Task definition', 'Service', and 'Cluster'. The 'Container definition' is represented by a small square, the 'Task definition' by a larger square, the 'Service' by a dashed box, and the 'Cluster' by a large dashed box. Arrows indicate that the 'Container definition' is used by the 'Task definition', which is used by the 'Service', which is deployed to the 'Cluster'.

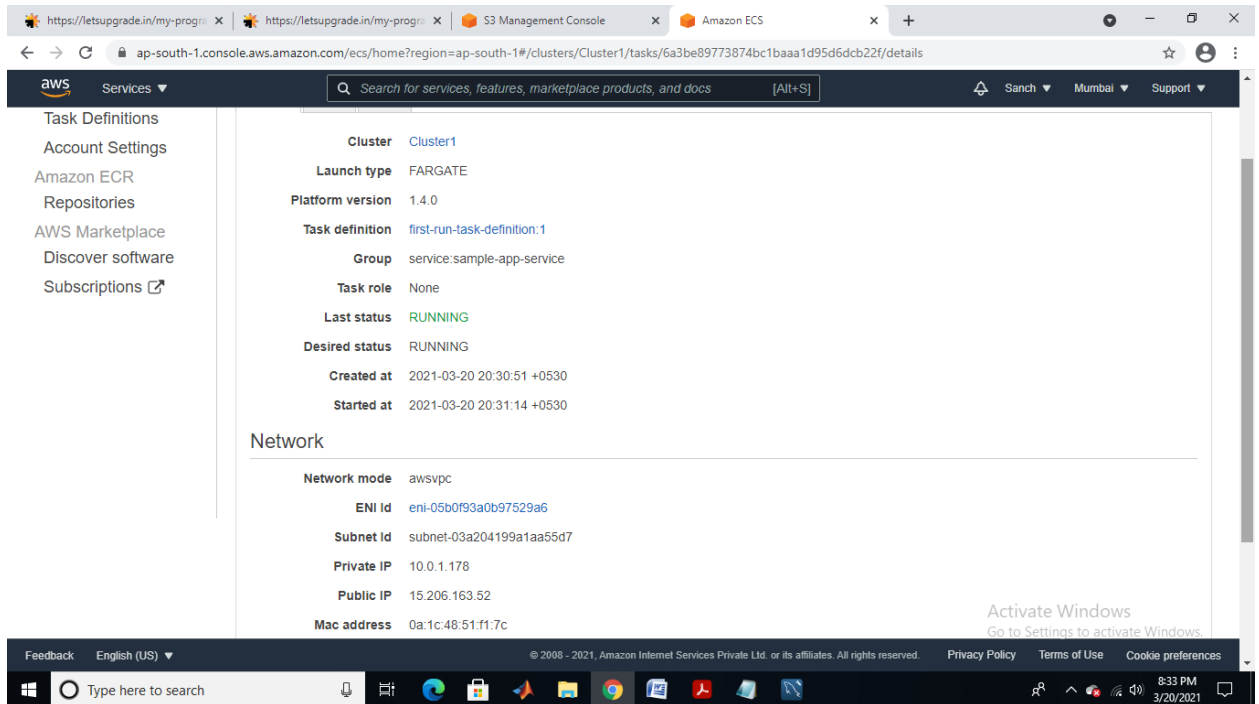
This is Configuring the service detail.



This is Configuring the cluster detail.



Viewing the service along with Dashboard displaying the cluster created, cluster information, panel displaying ENI ID, Panel displaying the private, public, and the MAC id, display application is shown below.



Sample App page display is successful.

