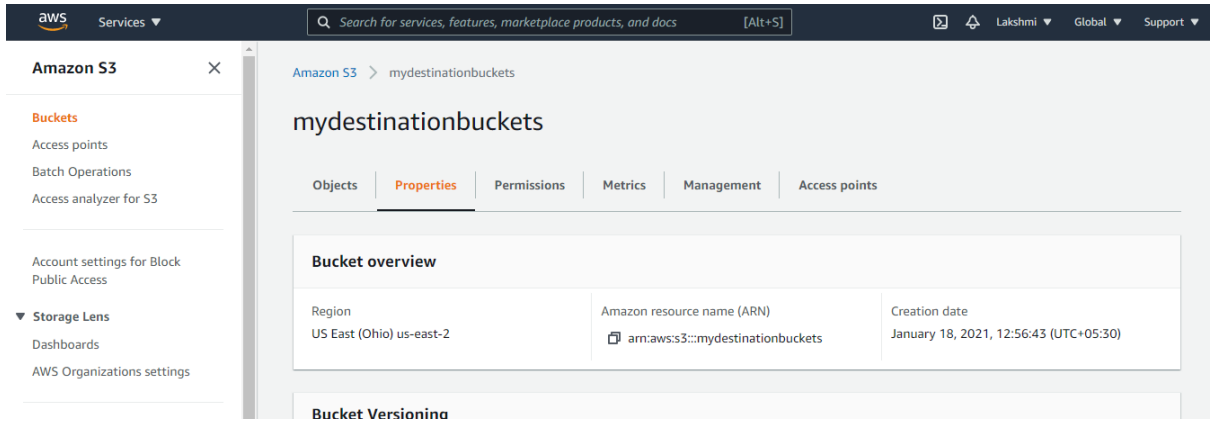
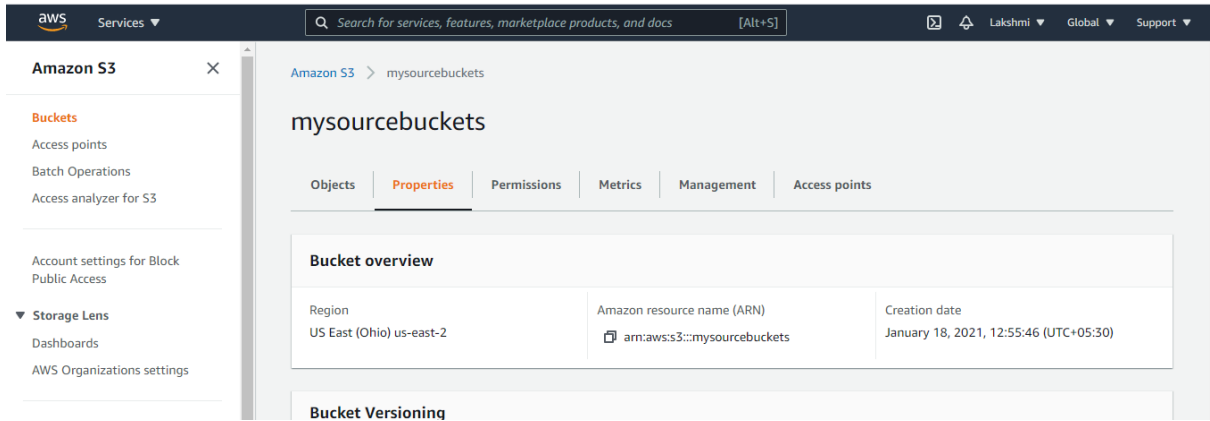
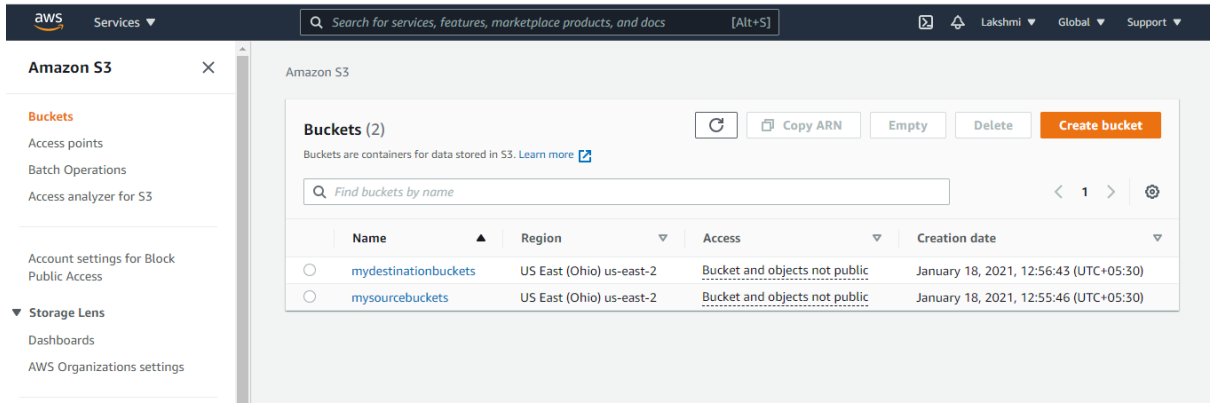


Working with Lambda

Step1:Create two s3 buckets with the name

SS1:s3 console with two buckets



Step2:Creat a policy with limited Read-write permissions using a JSON script

← → ↺ console.aws.amazon.com/iam/home?region=us-east-2#/policies\$new?step=review

aws

Services ▾

Q Search for services, features, marketplace products, and docs

[Alt+S]

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🔔

Lakshmi ▾

Global ▾

Support ▾

Review policy

Name*

mypolicy

Use alphanumeric and '+,=, @, _' characters. Maximum 128 characters.

Description

Maximum 1000 characters. Use alphanumeric and '+,=, @, _' characters.

Summary

Q Filter

Service ▾	Access level	Resource	Request condition
Allow (1 of 265 services) Show remaining 264			
S3	Limited: Read, Write	Multiple	None

ss2:json script in place

aws

Services ▾

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Lakshmi ▾

Global ▾

Support ▾

Edit mypolicy

1

2

A policy defines the AWS permissions that you can assign to a user, group, or role. You can create and edit a policy in the visual editor and using JSON. [Learn more](#)

Visual editor

JSON

Import managed policy

1

2

3

4

5

6

7

8

9

10

11

12

13

{
 "Version": "2012-10-17",
 "Statement": [
 {
 "Effect": "Allow",
 "Action": [
 "s3:GetObject"
],
 "Resource": [
 "arn:aws:s3:::mysourcebuckets/*"
]
 }
],
}

Character count: 225 of 6,144.

Cancel

Review policy

ss3:policy console with your policy filtered

aws

Services ▾

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Global ▾

Support ▾

Identity and Access Management (IAM)

Dashboard

Access management ▾
Groups
Users
Roles

Policies

Identity providers

Account settings

Access reports ▾
Access analyzer
Archive rules
Analyzers
Settings

Policies > mypolicy

Summary

Delete policy

Policy ARN

arn:aws:iam::624892249257:policy/mypolicy

Description

Permissions

Policy usage

Policy versions

Access Advisor

Policy summary

{ } JSON

Edit policy

Q Filter

Service ▾	Access level	Resource	Request condition
Allow (1 of 265 services) Show remaining 264			
S3	Limited: Read, Write	Multiple	None

ss4:Role console showing details of the role

LetsUpgrade-AWS/Assignment

Learn with LetsUpgrade

IAM Management Console

console.aws.amazon.com/iam/home?region=us-east-2#/roles\$new?step=type

☆ 🔍 ⚙️ 📄 ⓘ

aws Services 🔻

🔍 Search for services, features, marketplace products, and docs [Alt+S]

🗨️ 🔔 Lakshmi ▾ 🌐 Global ▾ 🆘 Support ▾

Create role


1


2


3


4

Select type of trusted entity

**AWS service**
EC2, Lambda and others

**Another AWS account**
Belonging to you or 3rd party

**Web identity**
Cognito or any OpenID provider

**SAML 2.0 federation**
Your corporate directory

Allows AWS services to perform actions on your behalf. [Learn more](#)

Choose a use case

Common use cases

EC2
Allows EC2 instances to call AWS services on your behalf.

Lambda
Allows Lambda functions to call AWS services on your behalf.

Or select a service to view its use cases

Required

Next: Permissions

Feedback English (US) ▾

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indexjs (1).txt ↕ json policy (1).txt ↕

Show all

aws

Services ▾

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Lakshmi ▾

Global ▾

Support ▾

Create role

1

2

3

4

▾ Attach permissions policies

Choose one or more policies to attach to your new role.

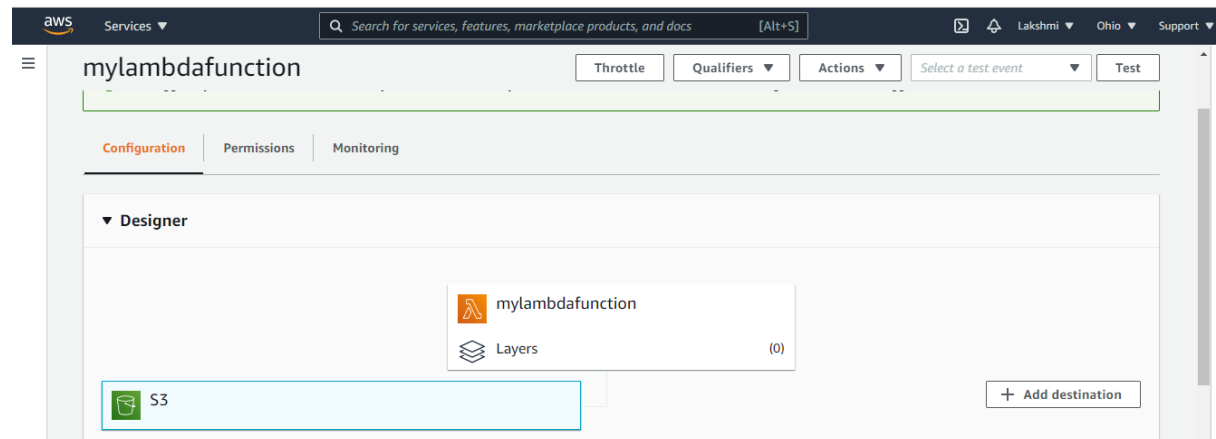
Create policy

Filter policies ▾

Showing 1 result

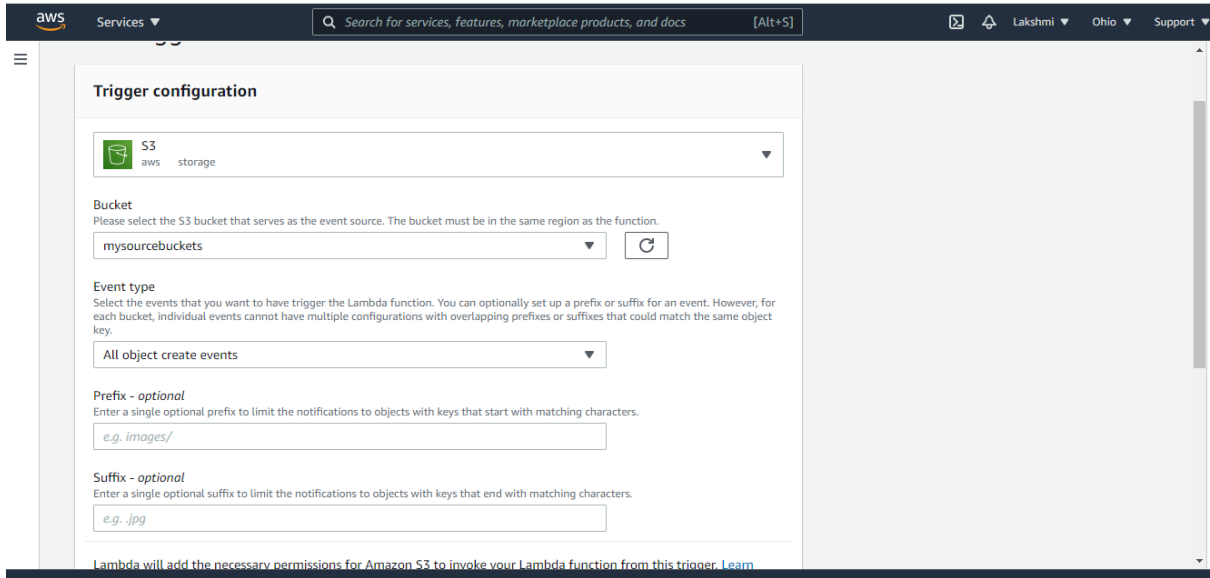
	Policy name ▾	Used as
<input checked="" type="checkbox"/>	mypolicy	None

ss5:lambda functions dashboard



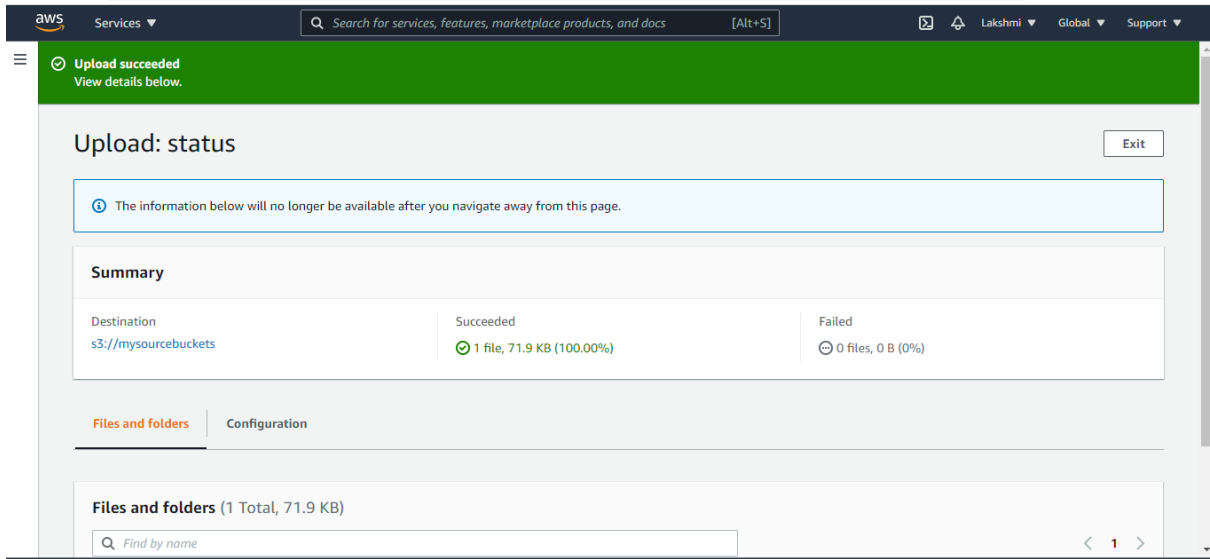
Step5:Adding triggers to the lambda function

ss8:lambda configuration page with trigger added

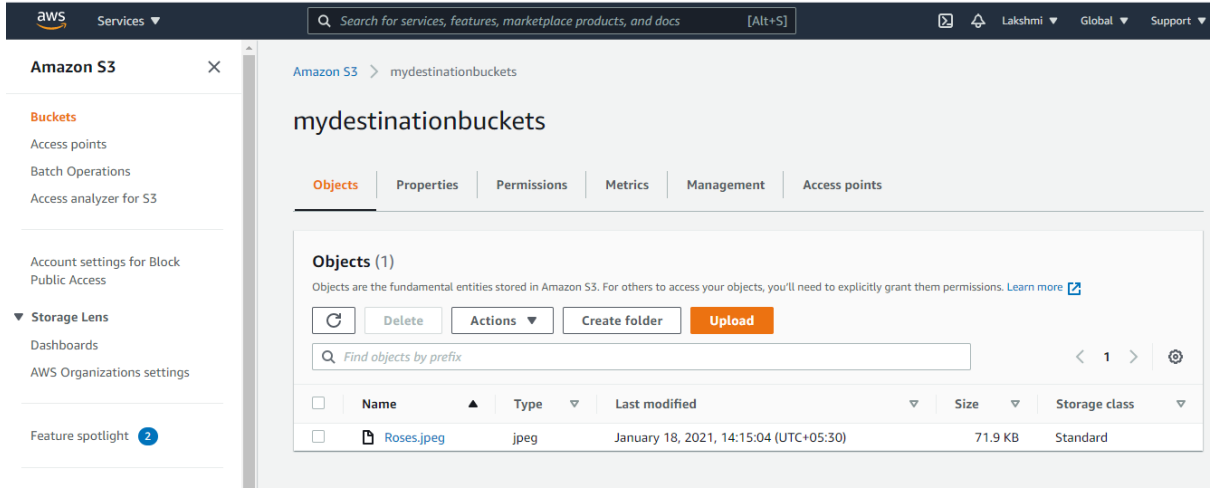


Step6:Test by uploading objects into the source bucket

ss9:object uploaded in the source bucket



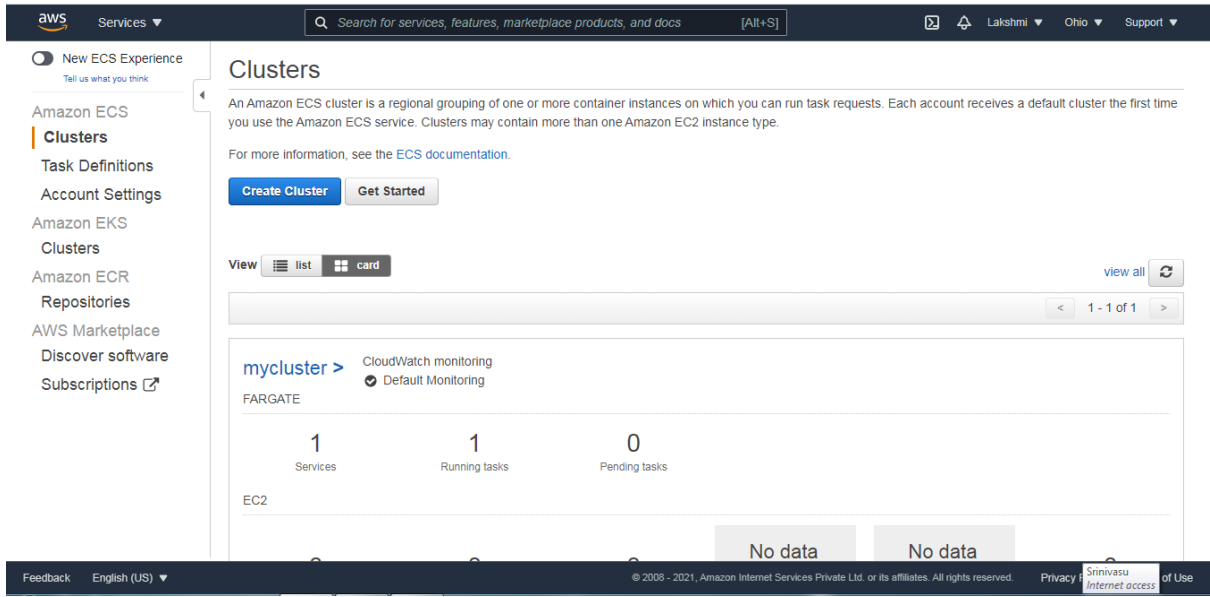
ss10:object replicated in the destination bucket.



Question 2: Working with Elastic container service using fargate

Step1:Getting started with amazon ECS using fargate

SS1:ECS console



Step2:Creating container and task definition

SS2:2nd panel with all options visible

awsServices

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LakshmiOhioSupport

Cluster

Container definition

Edit

Choose an image for your container below to get started quickly or define the container image to use.

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)

custom

image : --

memory : --

cpu : --

Configure

Task definition

Edit

A task definition is a blueprint for your application, and describes one or more containers through attributes. Some attributes are configured at the task level but the majority of attributes are configured per container.

Step3:Configuring the service

awsServices

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Service

Cluster

Define your service

Edit

A service allows you to run and maintain a specified number (the "desired count") of simultaneous instances of a task definition in an ECS cluster.

Service name

sample-app-service

Number of desired tasks

1

Security group

Automatically create new

A security group is created to allow all public traffic to your service only on the container port specified. You can further configure security groups and network access outside of this wizard.

Load balancer type

None

Application Load Balancer

*Required

Cancel

Previous

Next

Step4:Configuring the cluster

awsServices

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Task Definition

Service

Cluster

Configure your cluster

The infrastructure in a Fargate cluster is fully managed by AWS. Your containers run without you managing and configuring individual Amazon EC2 instances.

To see key differences between Fargate and standard ECS clusters, see the [Amazon ECS documentation](#).

Cluster name

mycluster

Cluster names are unique per account per region. Up to 255 letters (uppercase and lowercase), numbers, and hyphens are allowed.

VPC ID

Automatically create new

Subnets

Automatically create new

*Required

Cancel

Previous

Next

Step5:viewing the service

ss5:Dashboard displaying the cluster created

aws

Services

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Support

Amazon ECS

Clusters

Task Definitions

Account Settings

Amazon EKS

Clusters

Amazon ECR

Repositories

AWS Marketplace

Discover software

Subscriptions

Cluster : mycluster

Update Cluster

Delete Cluster

Get a detailed view of the resources on your cluster.

Cluster ARN

am:aws:ecs:us-east-2:624892249257:cluster/mycluster

Status

ACTIVE

Registered container instances

0

Pending tasks count

0 Fargate, 0 EC2

Running tasks count

1 Fargate, 0 EC2

Active service count

1 Fargate, 0 EC2

Draining service count

0 Fargate, 0 EC2

Services

Tasks

ECS Instances

Metrics

Scheduled Tasks

Tags

Capacity Providers

Create

Update

Delete

Actions

Last updated on January 19, 2021 2:59:11 PM (0m ago)

Filter in this page

Launch type

ALL

Service type

ALL

< 1-1 >

	Service Name	Status	Service ...	Task Def...	Desired ...	Running...	Launch ...	Platform...
<input type="checkbox"/>	sample-app-service	ACTIVE	REPLICA	first-run-t...	1	1	FARGATE	LATEST(...)

ss6:cluster information

aws

Services

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Amazon ECR

Repositories

AWS Marketplace

Discover software

Subscriptions

Task definition

first-run-task-definition-2

Group

service:sample-app-service

Task role

None

Last status

RUNNING

Desired status

RUNNING

Created at

2021-01-19 13:53:41 +0530

Started at

2021-01-19 13:54:07 +0530

Network

Network mode

awsvpc

ENI Id

eni-0e644ca8969a78f69

Subnet Id

subnet-02f1f6b0eabfed738

Private IP

10.0.1.166

Public IP

18.219.120.190

Mac address

06:f1:82:b1:2f:d2

Containers

ss7:panel displaying ENI ID

aws

Services

Search for services, features, marketplace products, and docs

[Alt+S]

Lakshmi

Ohio

Support

Amazon ECR

Repositories

AWS Marketplace

Discover software

Subscriptions

Task definition

first-run-task-definition-2

Group

service:sample-app-service

Task role

None

Last status

RUNNING

Desired status

RUNNING

Created at

2021-01-19 13:53:41 +0530

Started at

2021-01-19 13:54:07 +0530

Network

Network mode

awsvpc

ENI Id

eni-0e644ca8969a78f69

Subnet Id

subnet-02f1f6b0eabfed738

Private IP

10.0.1.166

Public IP

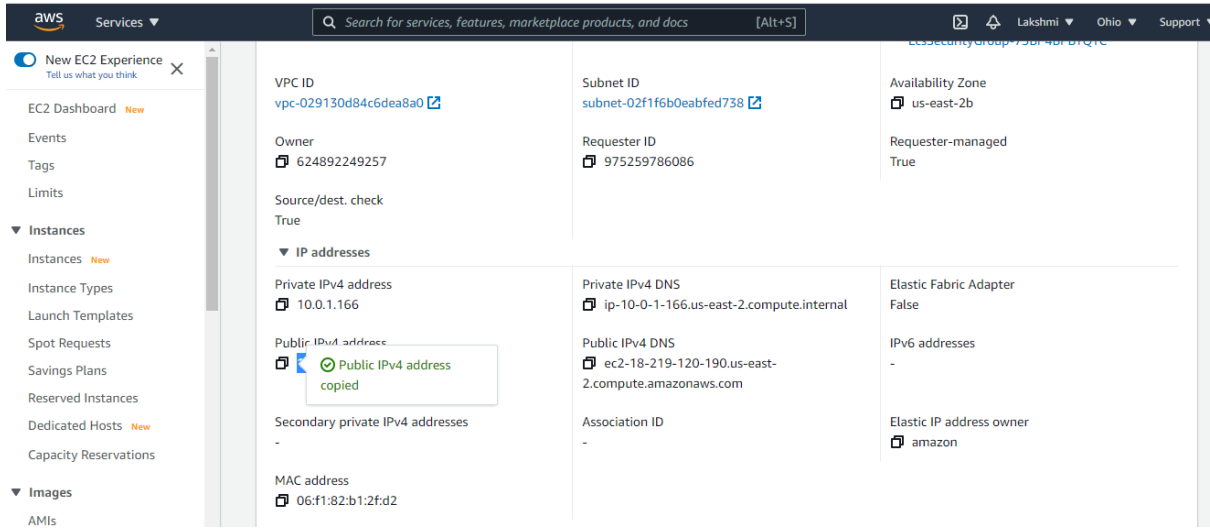
18.219.120.190

Mac address

06:f1:82:b1:2f:d2

Containers

ss8:Panel displaying the private, public, and the macid



ss9:display application

