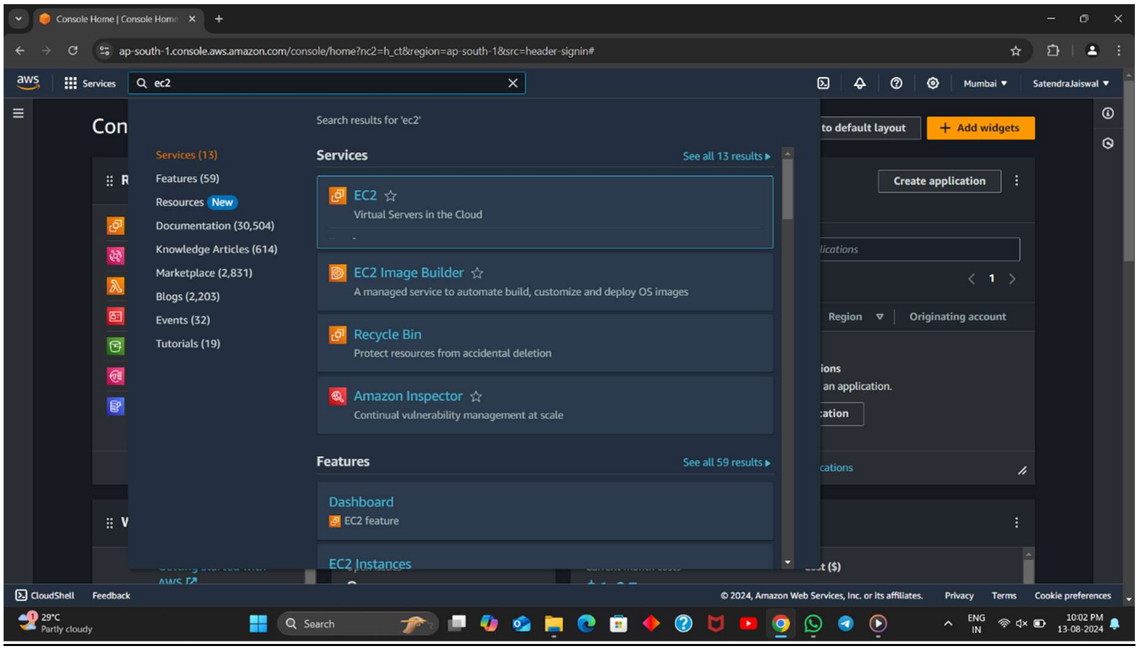
Amazon AWS

EC2 Server Instance Start/Stop Using Lambda

Step 1:- Sign in to Amazon AWS Management Console and Search For EC2



ap-south-1.console.aws.amazon.com/console/home?nc2=h_ct&region=ap-south-1&src=header-signin#

Search results for 'ec2'

Services (13)	Features (59)
Resources New	Documentation (30,504)
Knowledge Articles (614)	Marketplace (2,831)
Blogs (2,203)	Events (32)
Tutorials (19)	

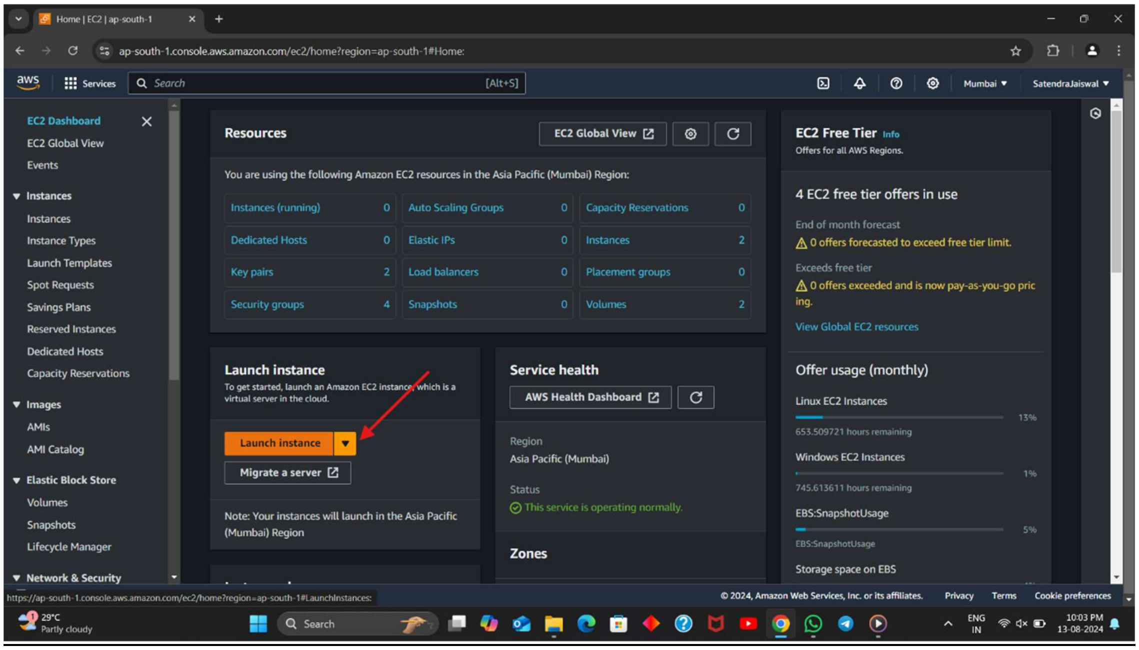
Services — See all 13 results

- EC2 — Virtual Servers in the Cloud
- EC2 Image Builder — A managed service to automate build, customize and deploy OS images
- Recycle Bin — Protect resources from accidental deletion
- Amazon Inspector — Continual vulnerability management at scale

Features — See all 59 results

- Dashboard — EC2 feature
- EC2 Instances

Step 2:- Click On Launch Instance to Launch An Instance



ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Home:

Resources

You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) Region:

Instances (running)	0	Auto Scaling Groups	0	Capacity Reservations	0
Dedicated Hosts	0	Elastic IPs	0	Instances	2
Key pairs	2	Load balancers	0	Placement groups	0
Security groups	4	Snapshots	0	Volumes	2

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Note: Your instances will launch in the Asia Pacific (Mumbai) Region

Service health

Region: Asia Pacific (Mumbai)

Status: This service is operating normally.

EC2 Free Tier — Offers for all AWS Regions.

4 EC2 free tier offers in use

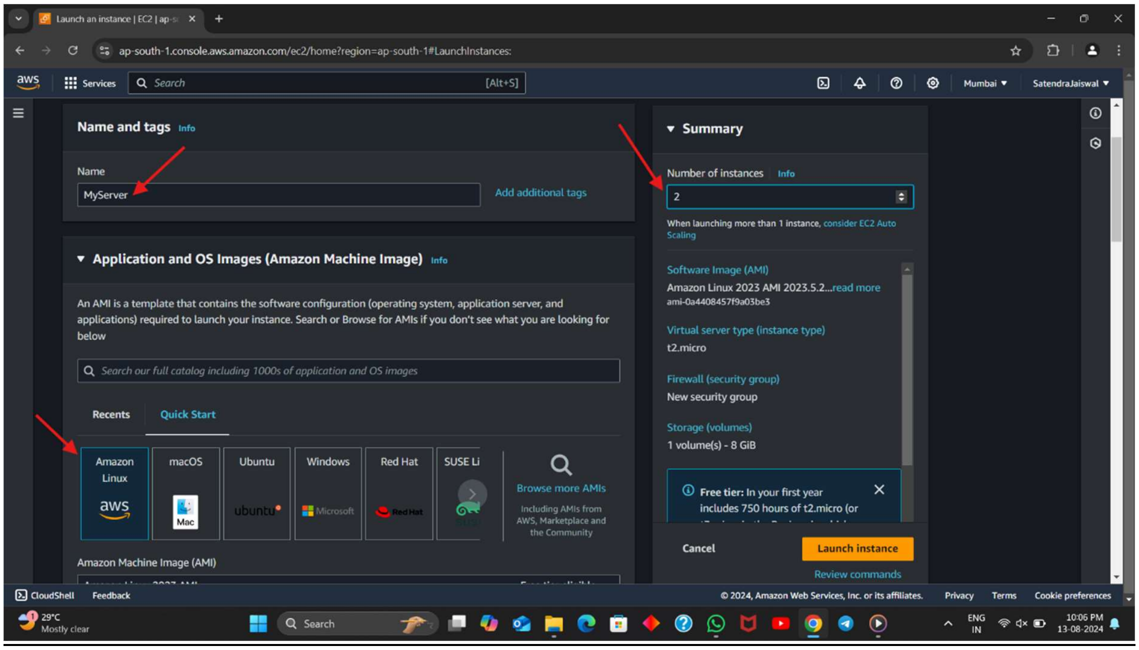
End of month forecast: 0 offers forecasted to exceed free tier limit.

Exceeds free tier: 0 offers exceeded and is now pay-as-you-go pricing.

Offer usage (monthly)

Linux EC2 Instances	13%
653.509721 hours remaining	
Windows EC2 Instances	1%
745.613611 hours remaining	
EBS:SnapshotUsage	5%
EBS:SnapshotUsage	
Storage space on EBS	

Step 3:- Enter A Name For Instance→Set Number of Instances to 2→Select Any OS(Here We Will Choose Amazon Linux)



ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:

Name and tags Info

Name: MyServer

Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents | Quick Start

Amazon Linux | macOS | Ubuntu | Windows | Red Hat | SUSE Li

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Summary

Number of instances Info: 2

When launching more than 1 instance, consider EC2 Auto Scaling

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-0a4408457f9a03be3

Virtual server type (instance type)
t2.micro

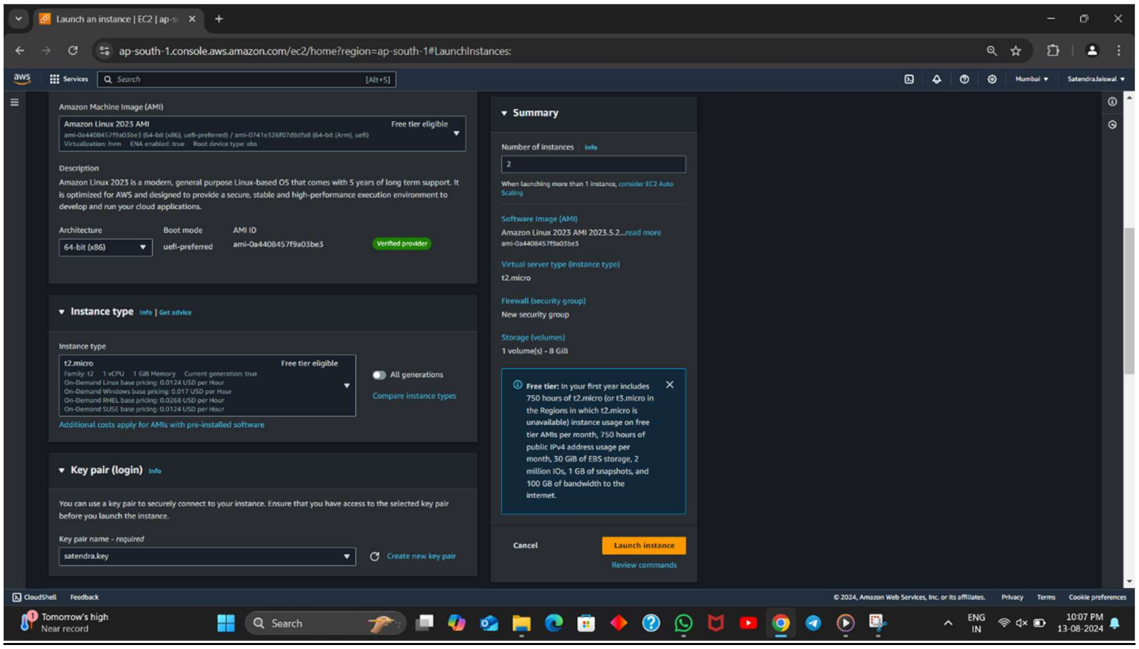
Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or

Cancel | Launch instance | Review commands

Step 4:- Select Amazon Machine Image(AMI),Instance Type, and Key Pair



ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI — Free tier eligible
ami-0a4408457f9a03be3 (64-bit (x86), uefi-preferred) / ami-0741e326f07d8dfa8 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2023 is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.

Architecture	Boot mode	AMI ID	
64-bit (x86)	uefi-preferred	ami-0a4408457f9a03be3	Verified provider

Instance type Info | Get advice

Instance type

t2.micro — Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Linux base pricing: 0.0124 USD per Hour
On-Demand Windows base pricing: 0.017 USD per Hour
On-Demand RHEL base pricing: 0.0268 USD per Hour
On-Demand SUSE base pricing: 0.0124 USD per Hour

All generations | Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*: satendra.key

Create new key pair

Summary

Number of instances Info: 2

When launching more than 1 instance, consider EC2 Auto Scaling

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-0a4408457f9a03be3

Virtual server type (instance type)
t2.micro

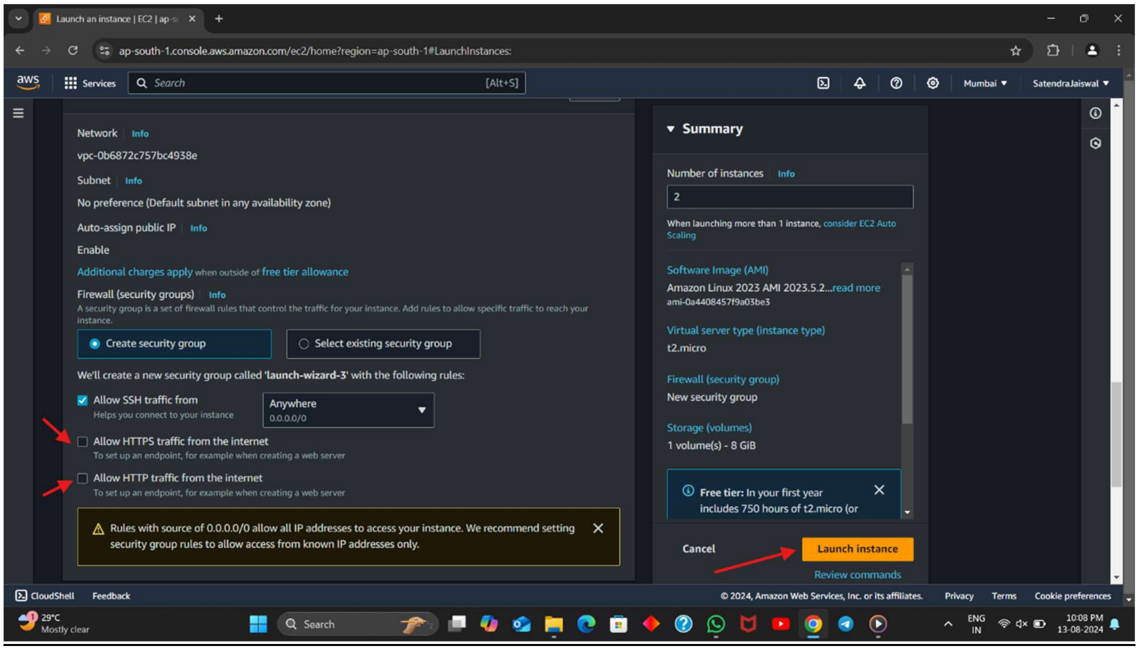
Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel | Launch instance | Review commands

Step 5:- Allow HTTPS and HTTP Connection and Click on Launch Instance to Launch The Instances



ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:

Network Info
vpc-0b6872c757bc4938e

Subnet Info
No preference (Default subnet in any availability zone)

Auto-assign public IP Info
Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

● Create security group ○ Select existing security group

We'll create a new security group called 'launch-wizard-3' with the following rules:

☑ Allow SSH traffic from — Anywhere 0.0.0.0/0
Helps you connect to your instance

□ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

□ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Summary

Number of instances Info
2

When launching more than 1 instance, consider EC2 Auto Scaling

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-0a4408457f9a03be3

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

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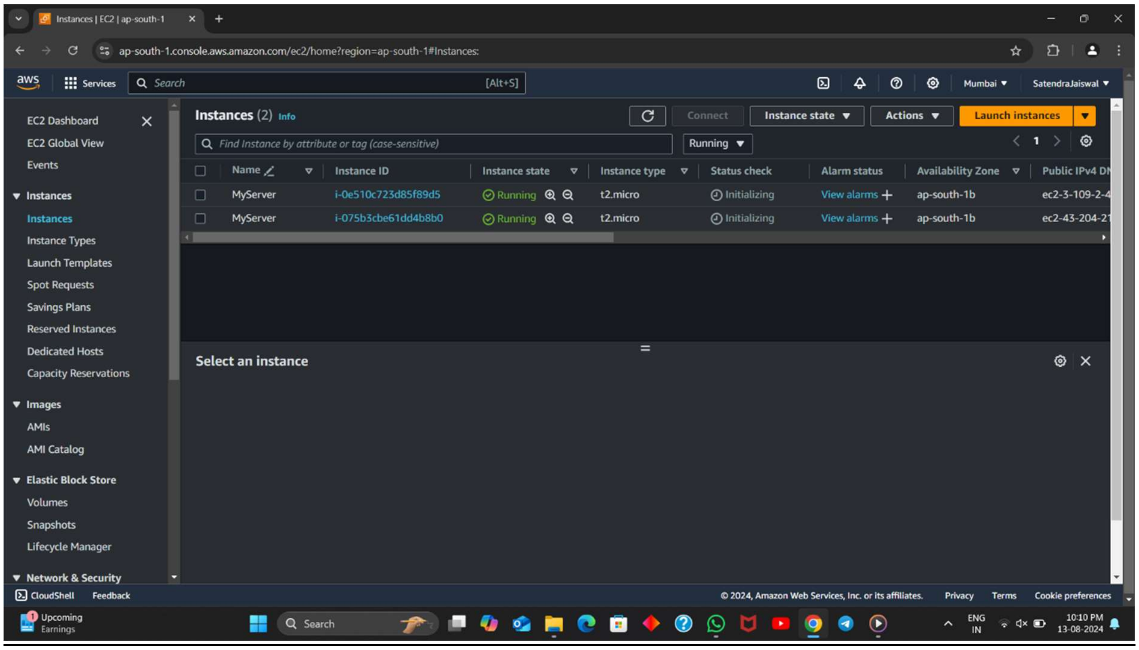
Cancel — Launch instance
Review commands

Instances Are Launched Successfully:



ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:

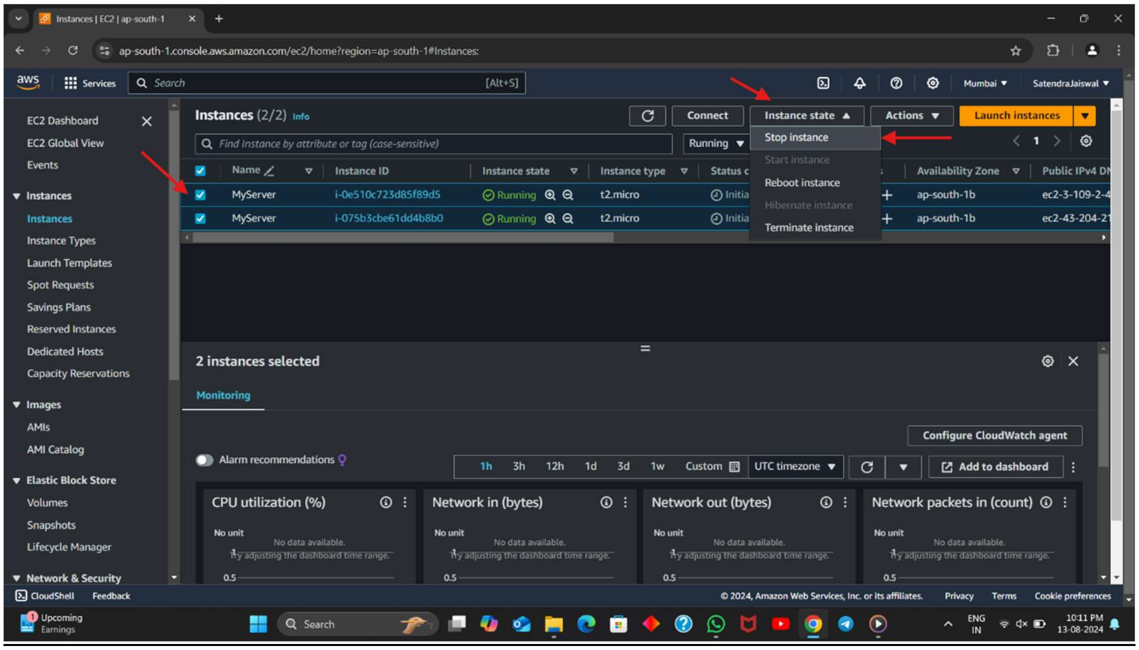
Instances (2) Info

Running

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DN
□	MyServer	i-0e510c723d85f89d5	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-3-109-2-4
□	MyServer	i-075b3cbe61dd4b8b0	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-43-204-21

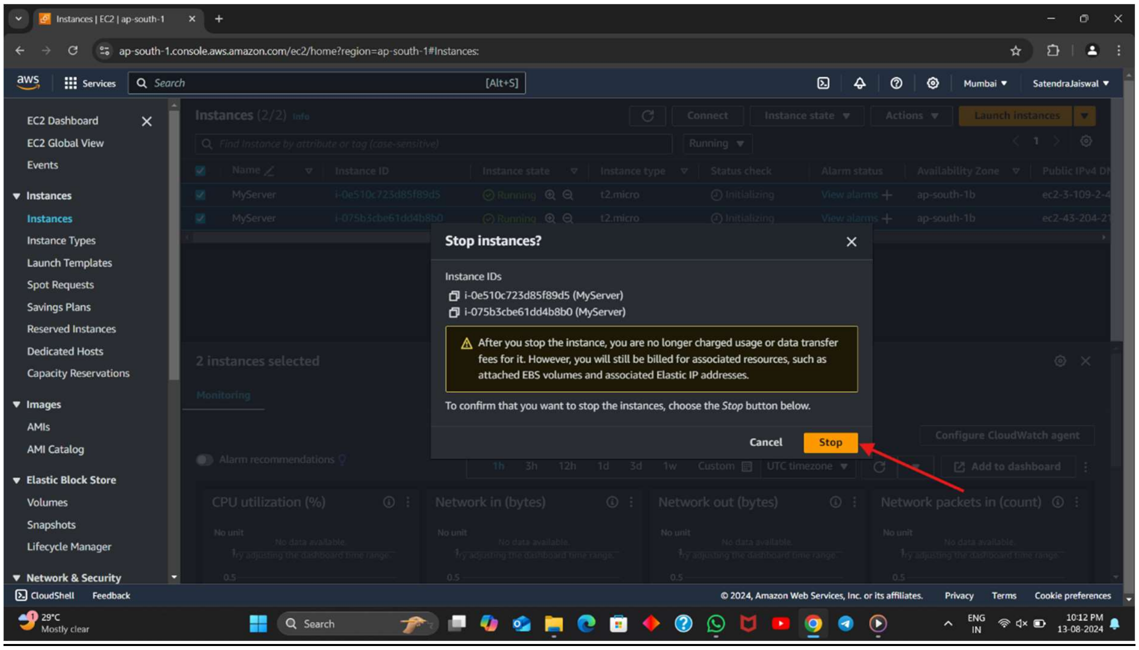
Select an instance

Step 6:- Now Stop The Server By Clicking Instance State→Stop Instance



Name	Instance ID	Instance state	Instance type	Status c	Availability Zone	Public IPv4 DN
MyServer	i-0e510c723d85f89d5	Running	t2.micro	Initia	ap-south-1b	ec2-3-109-2-4
MyServer	i-075b3cbe61dd4b8b0	Running	t2.micro	Initia	ap-south-1b	ec2-43-204-21

Click on Stop



Stop instances?

Instance IDs

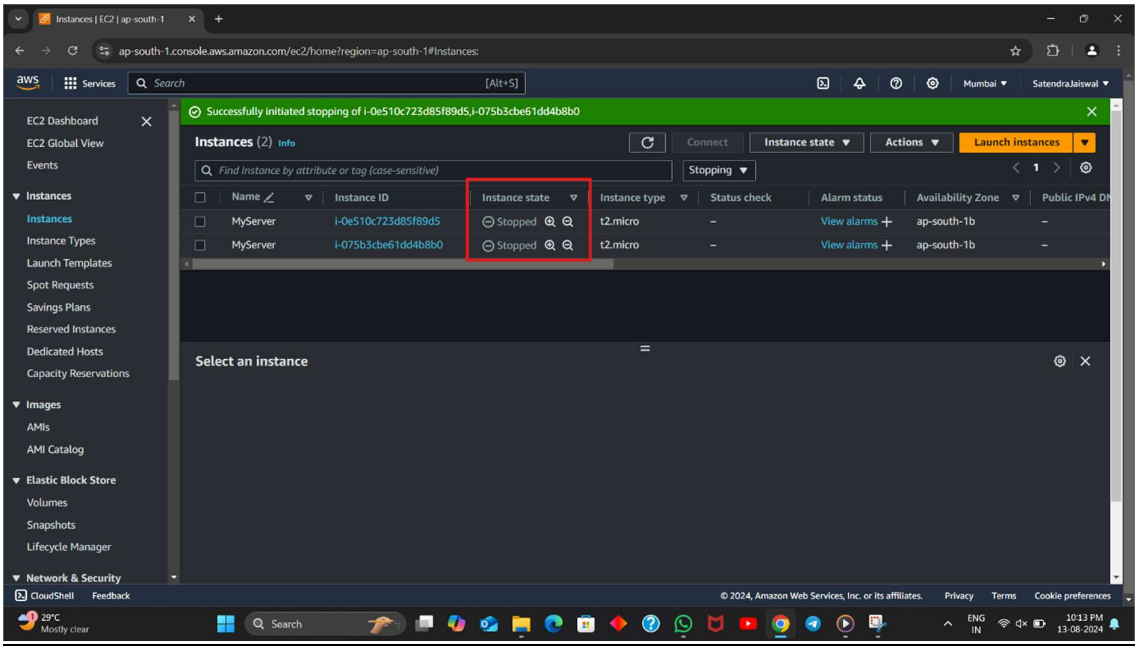
i-0e510c723d85f89d5 (MyServer)

i-075b3cbe61dd4b8b0 (MyServer)

After you stop the instance, you are no longer charged usage or data transfer fees for it. However, you will still be billed for associated resources, such as attached EBS volumes and associated Elastic IP addresses.

To confirm that you want to stop the instances, choose the *Stop* button below.

Instances are Stopped Successfully



Successfully initiated stopping of i-0e510c723d85f89d5,i-075b3cbe61dd4b8b0

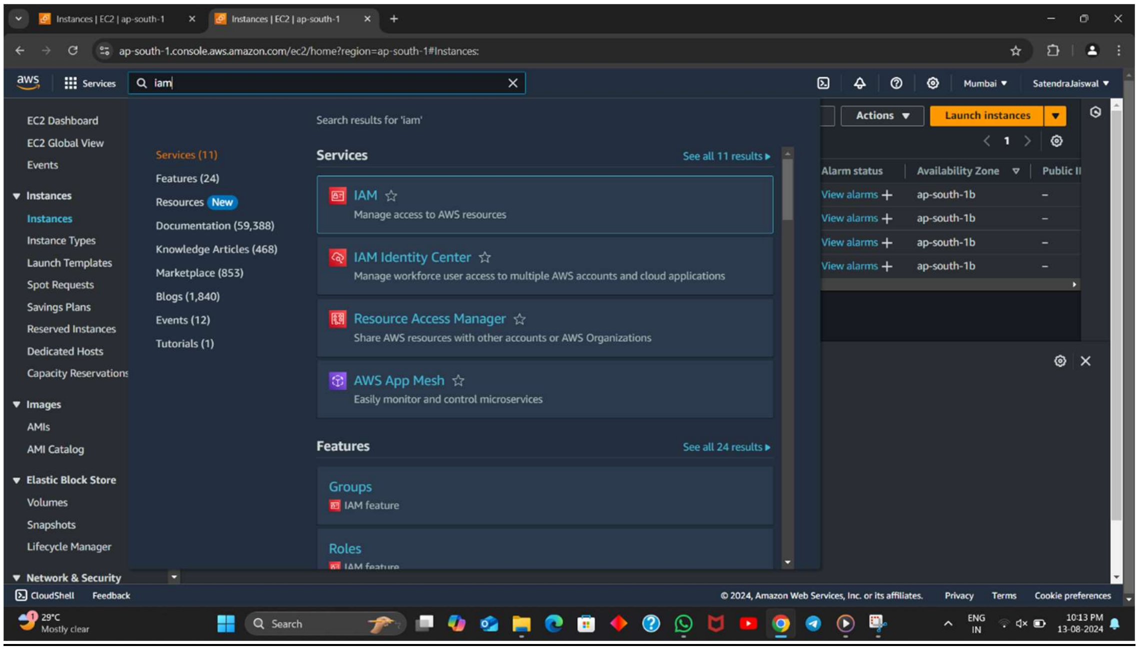
Instances (2) Info

Find Instance by attribute or tag (case-sensitive)

Stopping ▼

☐	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DN
☐	MyServer	i-0e510c723d85f89d5	⊖ Stopped	t2.micro	–	View alarms +	ap-south-1b	–
☐	MyServer	i-075b3cbe61dd4b8b0	⊖ Stopped	t2.micro	–	View alarms +	ap-south-1b	–

Step 7:- Now GoTo Search Bar and Search For IAM



iam

Search results for 'iam'

Services (11)
Features (24)
Resources New
Documentation (59,388)
Knowledge Articles (468)
Marketplace (853)
Blogs (1,840)
Events (12)
Tutorials (1)

Services — See all 11 results ▸

IAM ☆
Manage access to AWS resources

IAM Identity Center ☆
Manage workforce user access to multiple AWS accounts and cloud applications

Resource Access Manager ☆
Share AWS resources with other accounts or AWS Organizations

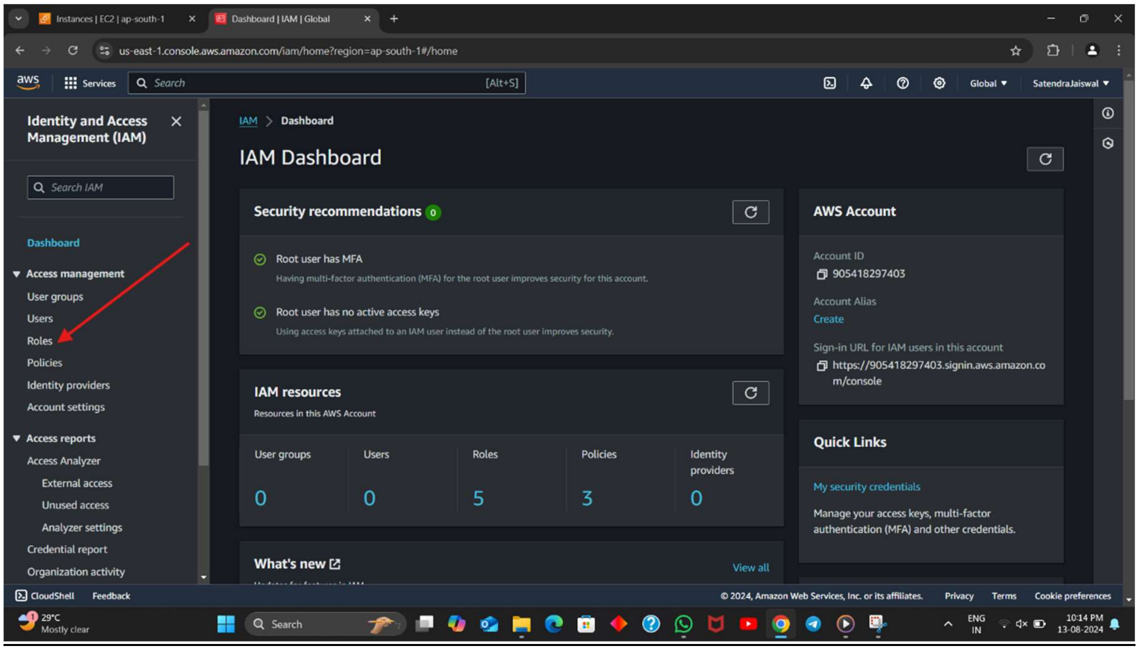
AWS App Mesh ☆
Easily monitor and control microservices

Features — See all 24 results ▸

Groups
IAM feature

Roles
IAM feature

Step 8:- Click on Rules



IAM > Dashboard

IAM Dashboard

Security recommendations 0

Root user has MFA

Having multi-factor authentication (MFA) for the root user improves security for this account.

Root user has no active access keys

Using access keys attached to an IAM user instead of the root user improves security.

IAM resources

Resources in this AWS Account

User groups	Users	Roles	Policies	Identity providers
0	0	5	3	0

What's new

View all

AWS Account

Account ID
905418297403

Account Alias
Create

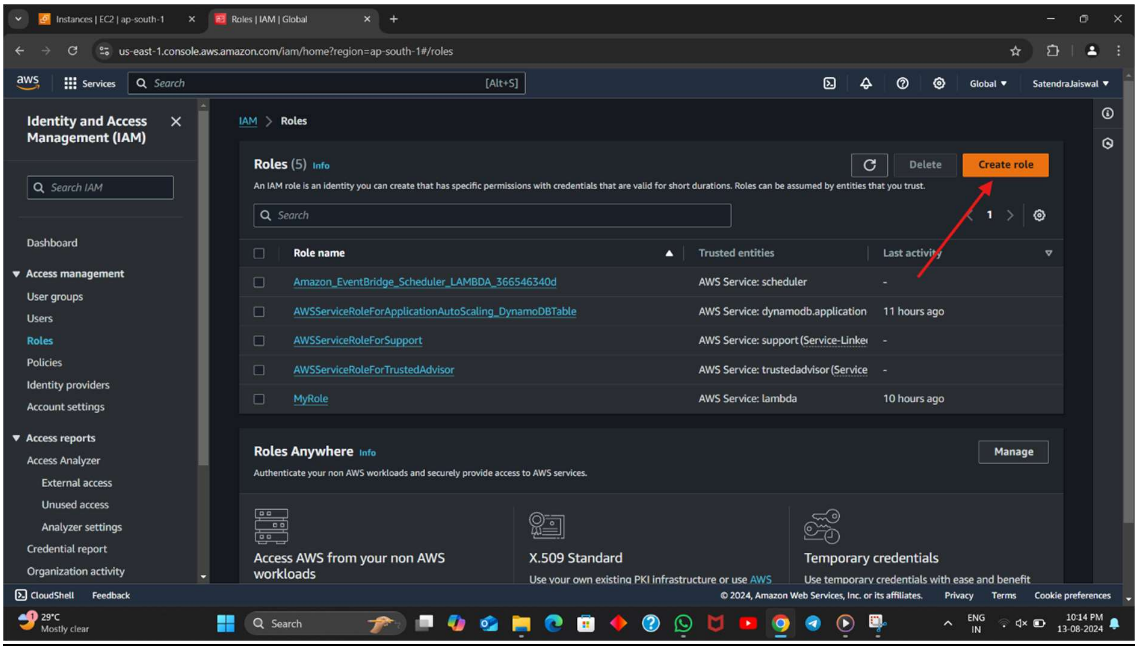
Sign-in URL for IAM users in this account
https://905418297403.signin.aws.amazon.com/console

Quick Links

My security credentials

Manage your access keys, multi-factor authentication (MFA) and other credentials.

Step 9:- Click Create Role



IAM > Roles

Roles (5) Info

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Role name	Trusted entities	Last activity
Amazon_EventBridge_Scheduler_LAMBDA_366546340d	AWS Service: scheduler	-
AWSServiceRoleForApplicationAutoScaling_DynamoDBTable	AWS Service: dynamodb.application	11 hours ago
AWSServiceRoleForSupport	AWS Service: support (Service-Linke	-
AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor (Service	-
MyRole	AWS Service: lambda	10 hours ago

Roles Anywhere Info

Authenticate your non AWS workloads and securely provide access to AWS services.

Access AWS from your non AWS workloads

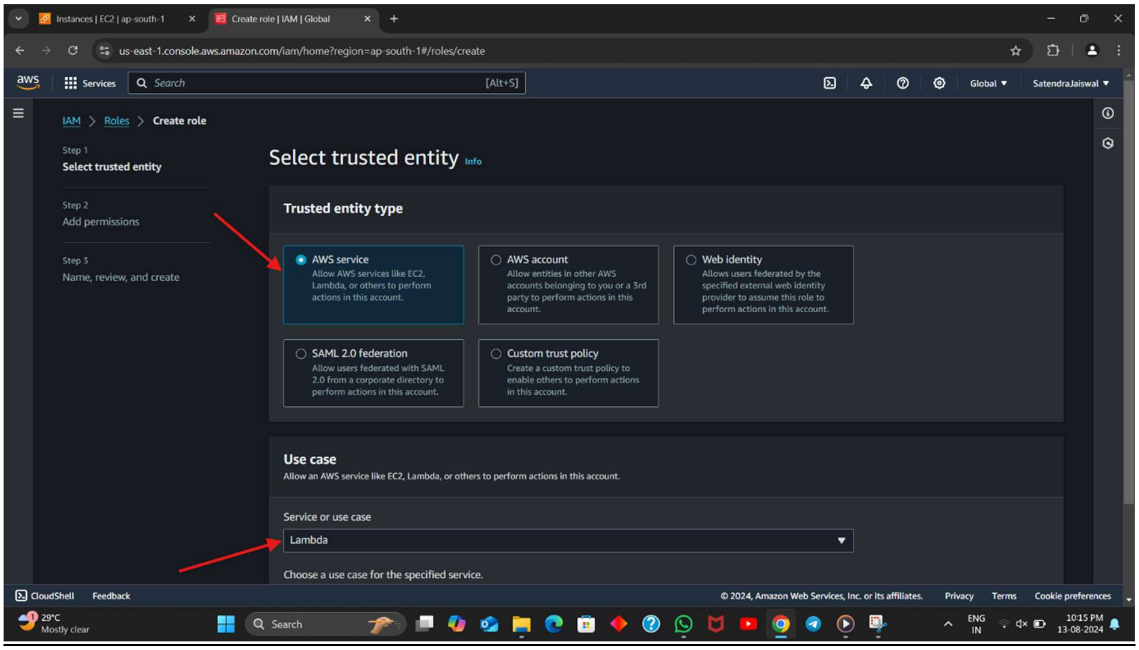
X.509 Standard

Use your own existing PKI infrastructure or use AWS

Temporary credentials

Use temporary credentials with ease and benefit

Step 10:- Now Under Select Trusted Entity, Choose AWS Service & Choose Lambda Under Use Case


Instances | EC2 | ap-south-1
Create role | IAM | Global
us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/create
aws
Services
Search
[Alt+S]
Global ▾
SatendraJaiswal ▾
IAM > Roles > Create role

Step 1
Select trusted entity

Step 2
Add permissions

Step 3
Name, review, and create

Select trusted entity Info

Trusted entity type

● AWS service
Allow AWS services like EC2, Lambda, or others to perform actions in this account.

○ AWS account
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

○ Web identity
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

○ SAML 2.0 federation
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.

○ Custom trust policy
Create a custom trust policy to enable others to perform actions in this account.

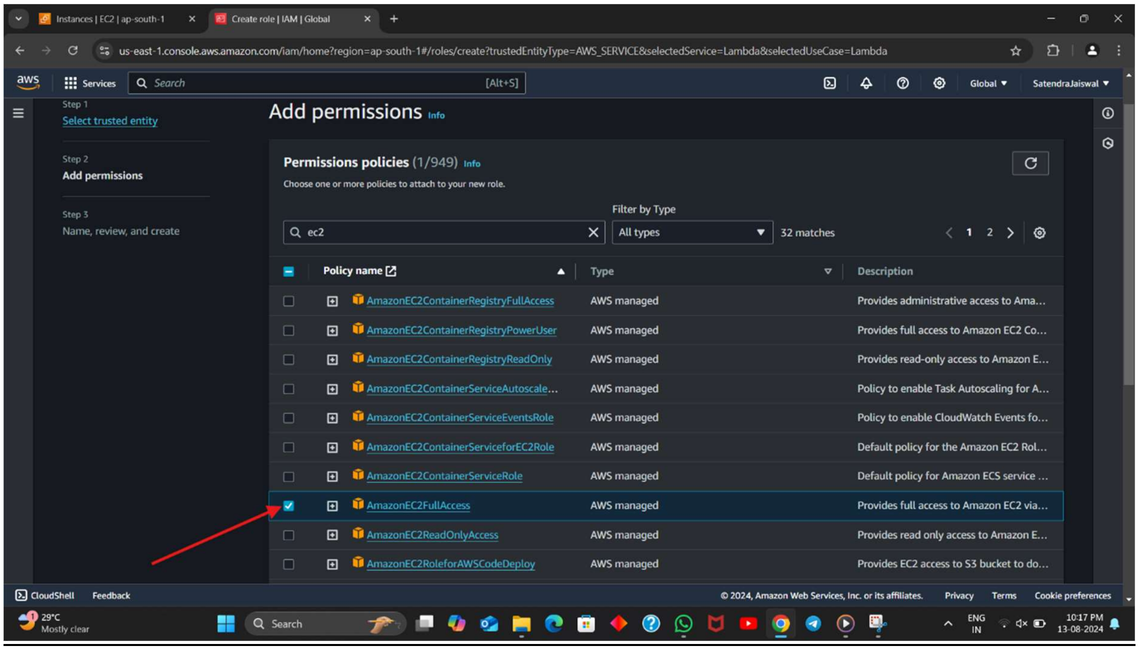
Use case

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Service or use case
Lambda ▾

Choose a use case for the specified service.

Step 11:- Give EC2 Full Access Permission To The Role


Instances | EC2 | ap-south-1
Create role | IAM | Global
us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=Lambda&selectedUseCase=Lambda
aws
Services
Search
[Alt+S]
Global ▾
SatendraJaiswal ▾

Step 1
Select trusted entity

Step 2
Add permissions

Step 3
Name, review, and create

Add permissions Info

Permissions policies (1/949) Info

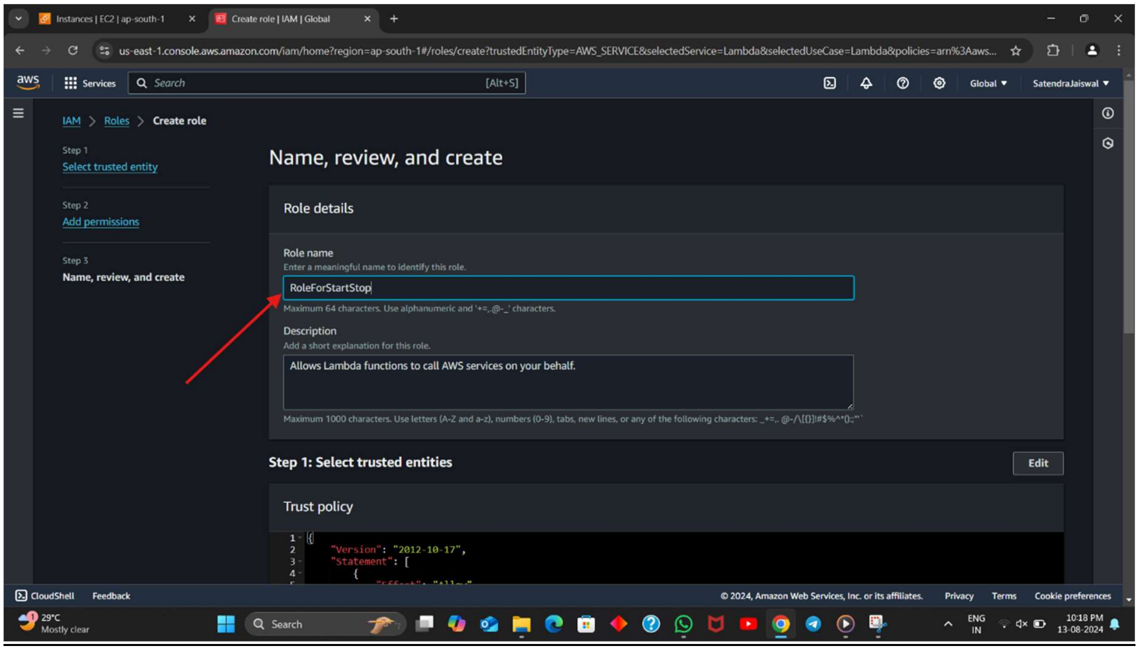
Choose one or more policies to attach to your new role.

Filter by Type

ec2 | All types ▾ | 32 matches | < 1 2 >

	Policy name	Type	Description
□	AmazonEC2ContainerRegistryFullAccess	AWS managed	Provides administrative access to Ama…
□	AmazonEC2ContainerRegistryPowerUser	AWS managed	Provides full access to Amazon EC2 Co…
□	AmazonEC2ContainerRegistryReadOnly	AWS managed	Provides read-only access to Amazon E…
□	AmazonEC2ContainerServiceAutoscale…	AWS managed	Policy to enable Task Autoscaling for A…
□	AmazonEC2ContainerServiceEventsRole	AWS managed	Policy to enable CloudWatch Events fo…
□	AmazonEC2ContainerServiceforEC2Role	AWS managed	Default policy for the Amazon EC2 Rol…
□	AmazonEC2ContainerServiceRole	AWS managed	Default policy for Amazon ECS service …
☑	AmazonEC2FullAccess	AWS managed	Provides full access to Amazon EC2 via…
□	AmazonEC2ReadOnlyAccess	AWS managed	Provides read only access to Amazon E…
□	AmazonEC2RoleforAWSCodeDeploy	AWS managed	Provides EC2 access to S3 bucket to do…

Step 12:- Give Role A Name



us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/create?trustedEntityType=AWS_SERVICE&selectedService=Lambda&selectedUseCase=Lambda&policies=arn%3Aaws...

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Name, review, and create

Role details

Role name
Enter a meaningful name to identify this role.

RoleForStartStop

Maximum 64 characters. Use alphanumeric and '+=,.@-_' characters.

Description
Add a short explanation for this role.

Allows Lambda functions to call AWS services on your behalf.

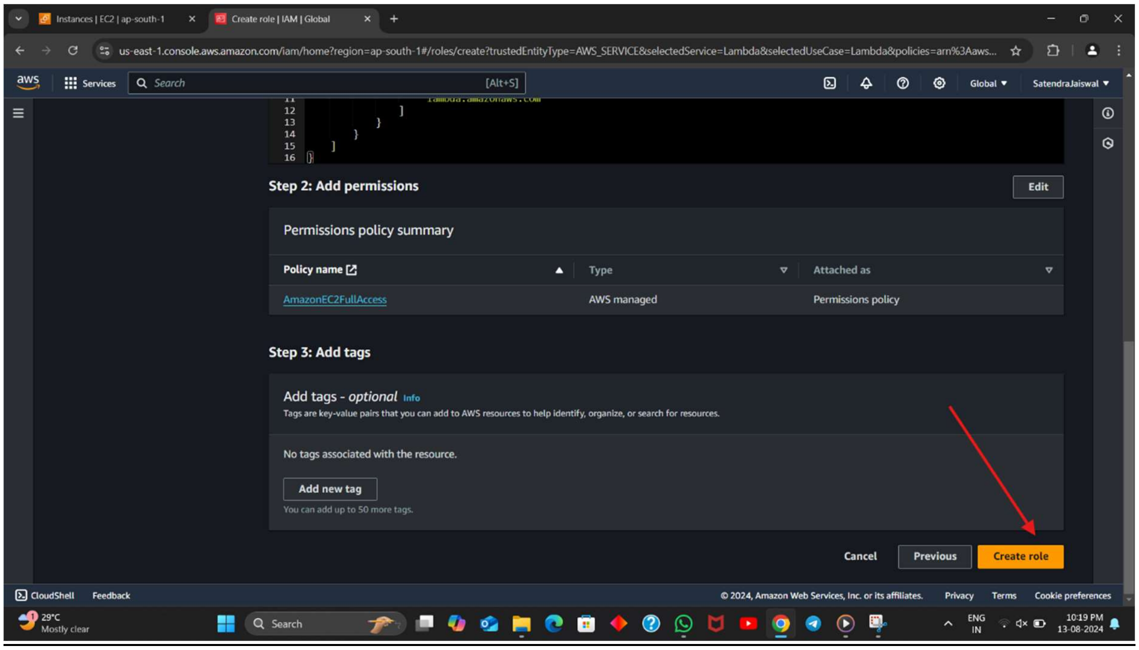
Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: _+=,. @-/\[{}]!#$%^*();:"`

Step 1: Select trusted entities

Trust policy

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
```

Step 13:- Click Create Role



Step 2: Add permissions

Permissions policy summary

Policy name	Type	Attached as
AmazonEC2FullAccess	AWS managed	Permissions policy

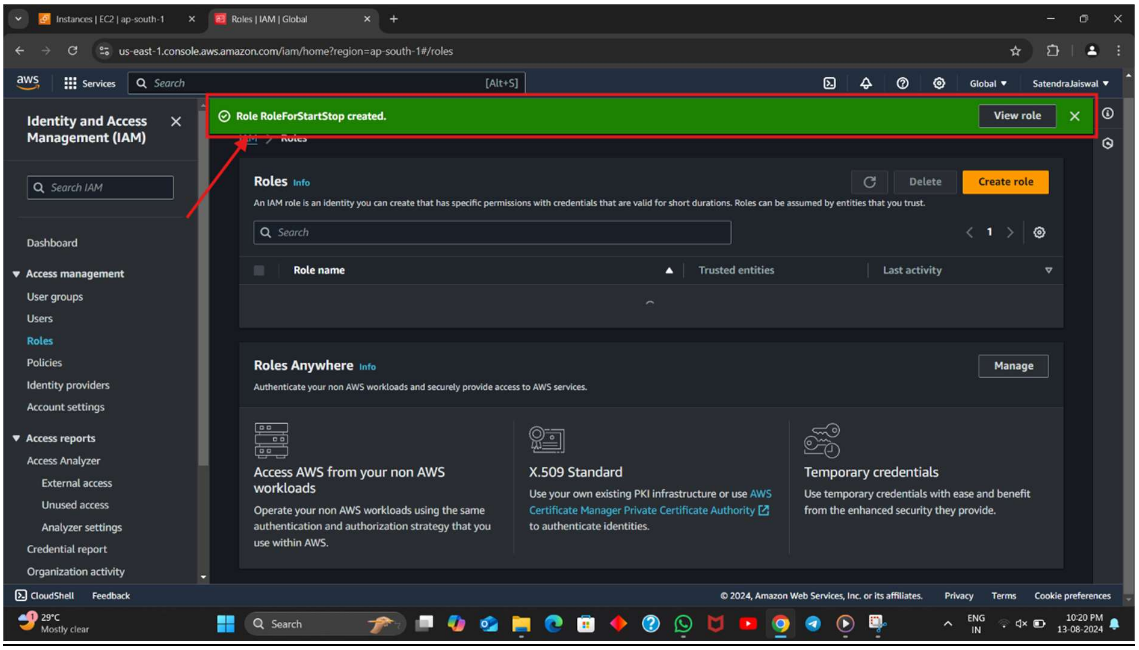
Step 3: Add tags

Add tags - *optional* Info
Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

No tags associated with the resource.

You can add up to 50 more tags.

Role is Created Successfully



us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles

Role RoleForStartStop created.

Roles Info

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Role name	Trusted entities	Last activity

Roles Anywhere Info

Authenticate your non AWS workloads and securely provide access to AWS services.

Access AWS from your non AWS workloads

Operate your non AWS workloads using the same authentication and authorization strategy that you use within AWS.

X.509 Standard

Use your own existing PKI infrastructure or use AWS Certificate Manager Private Certificate Authority to authenticate identities.

Temporary credentials

Use temporary credentials with ease and benefit from the enhanced security they provide.

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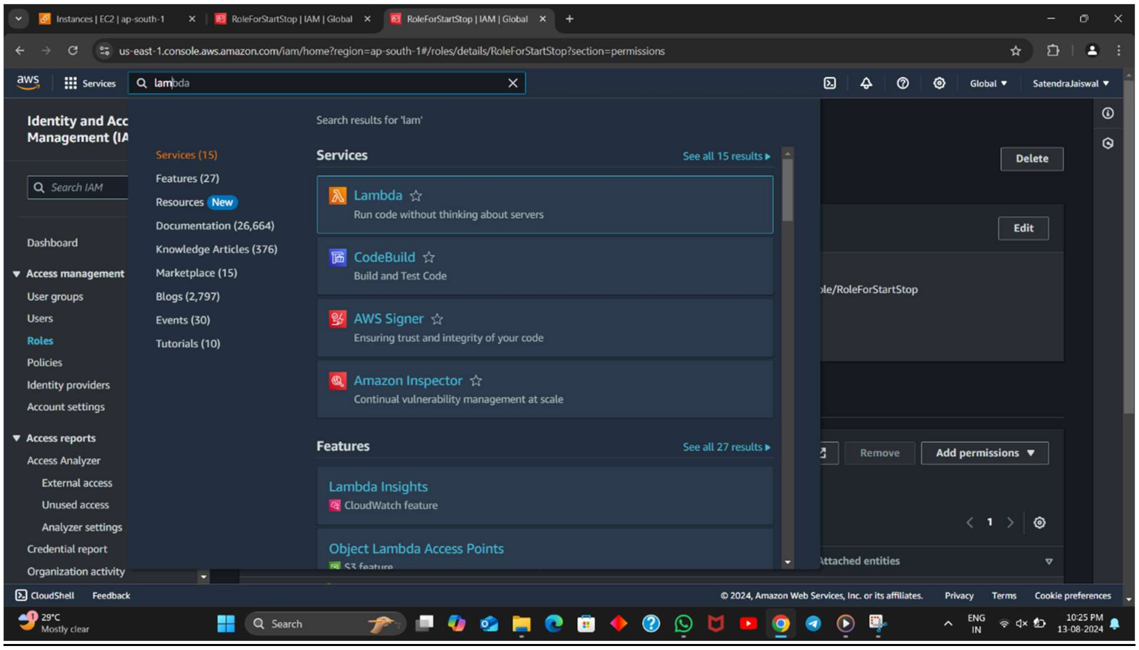
Step 14:- Now Search For Lambda and Open it



us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles/details/RoleForStartStop?section=permissions

Search results for 'lam'

Services

Lambda – Run code without thinking about servers

CodeBuild – Build and Test Code

AWS Signer – Ensuring trust and integrity of your code

Amazon Inspector – Continual vulnerability management at scale

Features

Lambda Insights – CloudWatch feature

Object Lambda Access Points – S3 feature

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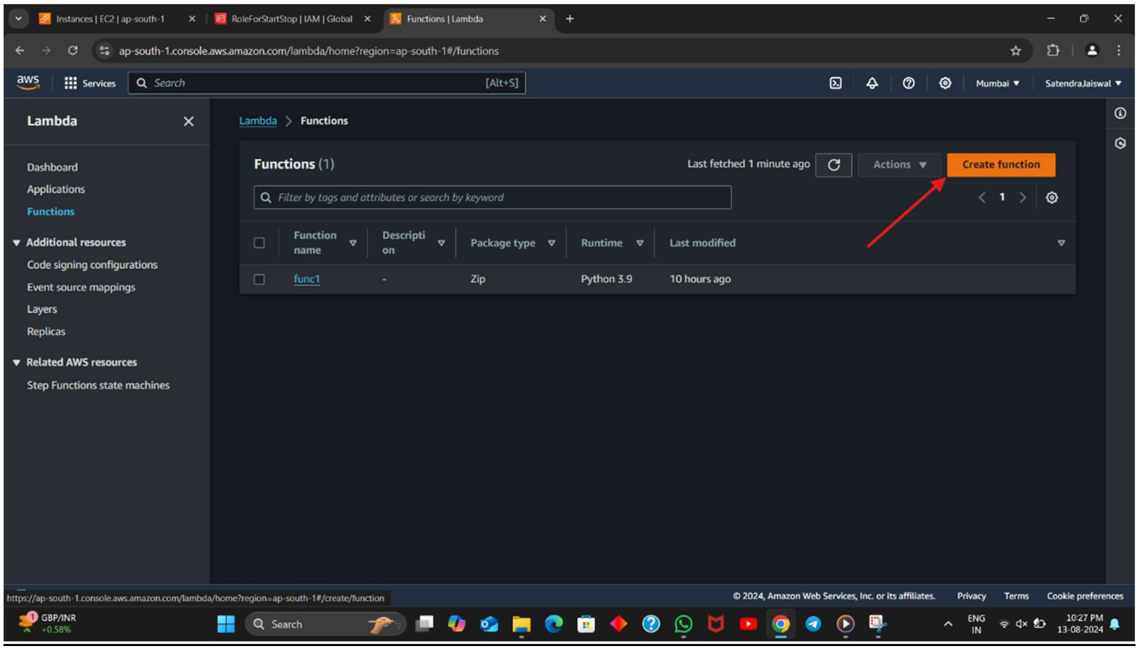
Step 15:- Click on Create Function



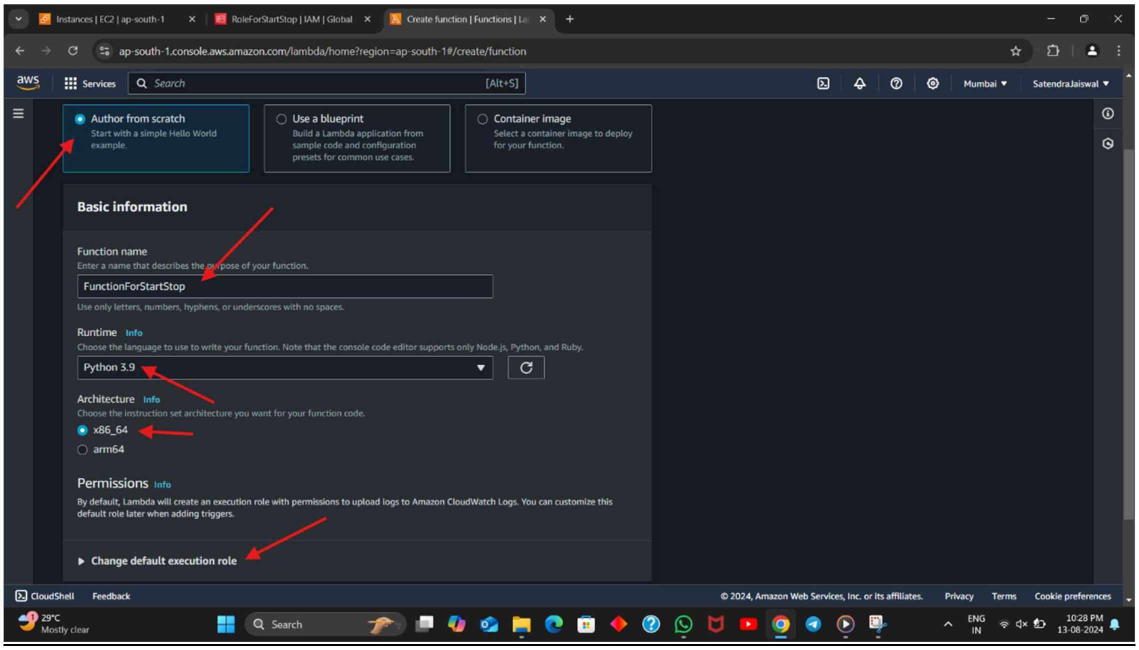
Lambda > Functions

Functions (1)

Last fetched 1 minute ago

	Function name	Description	Package type	Runtime	Last modified
□	func1	-	Zip	Python 3.9	10 hours ago

Step 16:- Select Author From Scratch→Enter Function Name→Select Python 3.9 As Runtime→Select x86_64 as Architecture→And Click On Change Default Execution Role



● Author from scratch
Start with a simple Hello World example.

○ Use a blueprint
Build a Lambda application from sample code and configuration presets for common use cases.

○ Container image
Select a container image to deploy for your function.

Basic information

Function name
Enter a name that describes the purpose of your function.
FunctionForStartStop
Use only letters, numbers, hyphens, or underscores with no spaces.

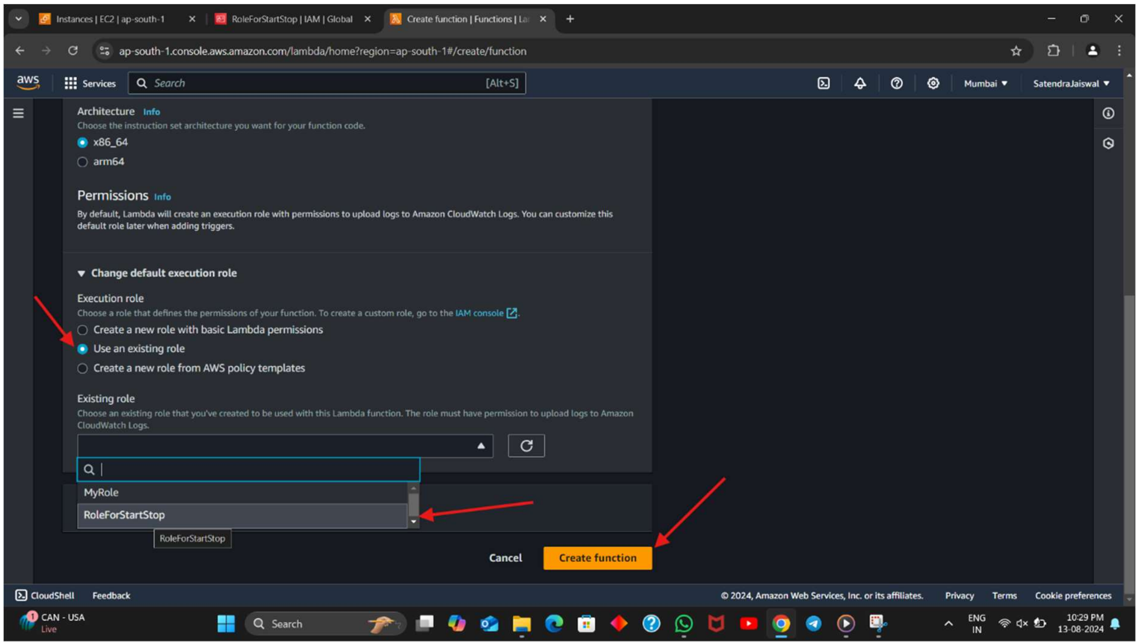
Runtime Info
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Python 3.9

Architecture Info
Choose the instruction set architecture you want for your function code.
● x86_64
○ arm64

Permissions Info
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

▶ Change default execution role

Step 17:- Click on Use an Existing Role and Select The Role Created in Step 7-13→Click on Create Function


Instances | EC2 | ap-south-1
RoleForStartStop | IAM | Global
Create function | Functions | La
Services
Search
[Alt+S]
Mumbai ▾
SatendraJaiswal ▾
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/create/function

Architecture Info
Choose the instruction set architecture you want for your function code.
● x86_64
○ arm64

Permissions Info
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

▼ Change default execution role

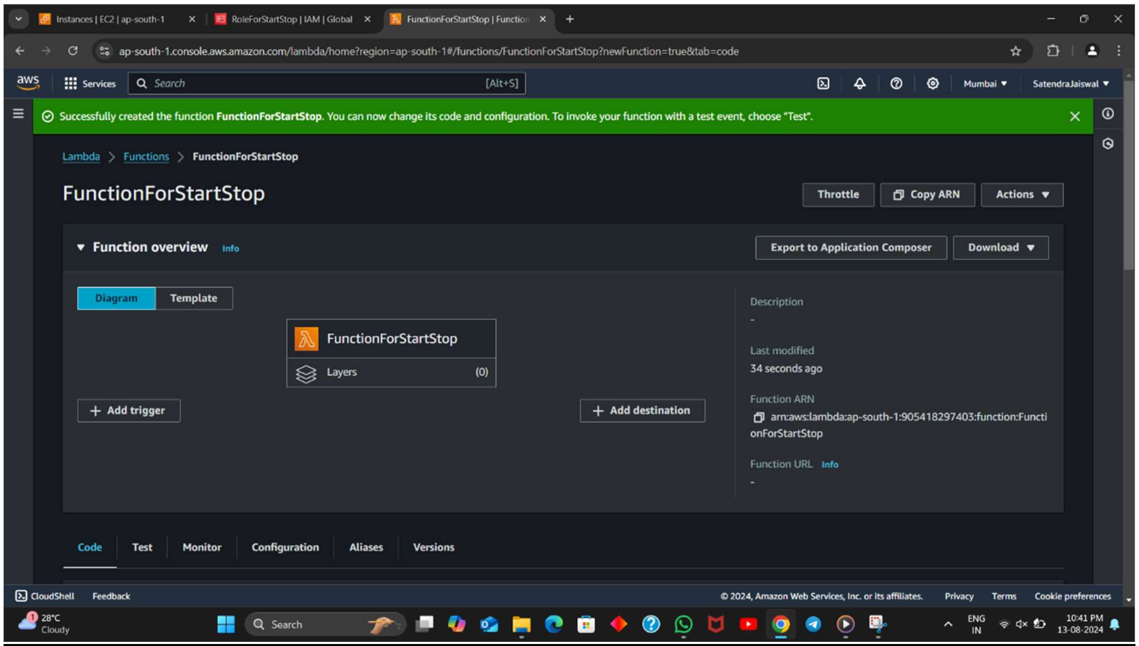
Execution role
Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.
○ Create a new role with basic Lambda permissions
● Use an existing role
○ Create a new role from AWS policy templates

Existing role
Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.

MyRole
RoleForStartStop

Cancel | Create function

Lambda Function Created Successfully



ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/FunctionForStartStop?newFunction=true&tab=code

Successfully created the function **FunctionForStartStop**. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

Lambda > Functions > FunctionForStartStop

FunctionForStartStop

▼ Function overview Info

Description
-

Last modified
34 seconds ago

Function ARN
arn:aws:lambda:ap-south-1:905418297403:function:FunctionForStartStop

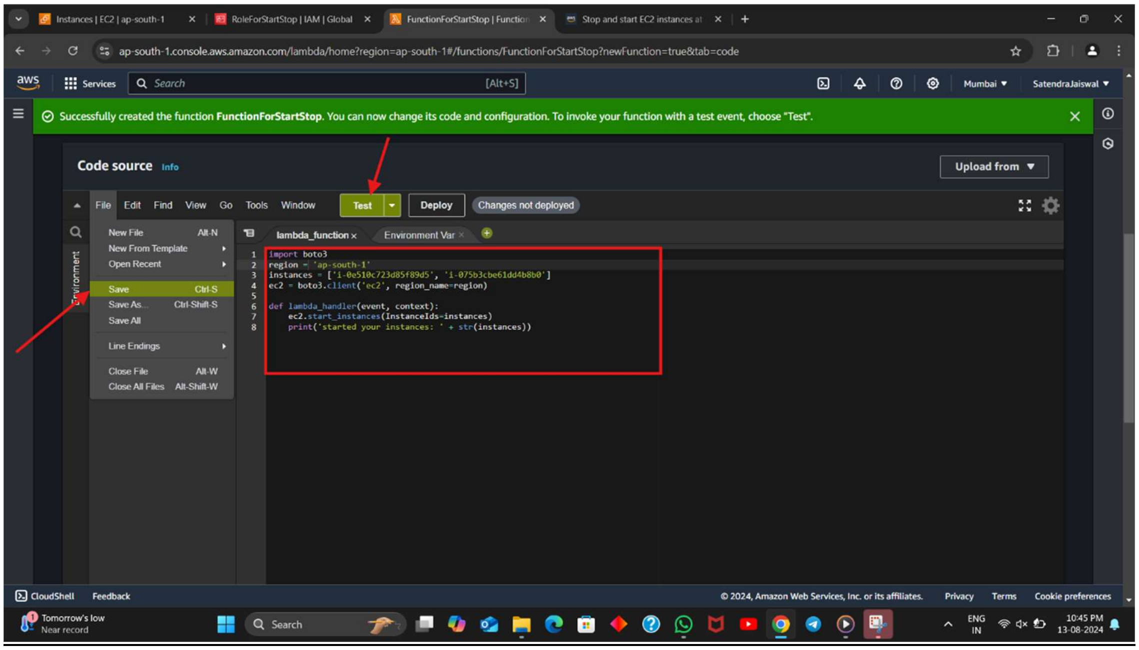
Function URL Info
-

Step 18:- Scroll Down And Write The Following Lambda Function Code In The Code Section To Start The Instance

```
import boto3
region = 'us-west-1'
instances = ['i-12345cb6de4f78g9h', 'i-08ce9b2d7eccf6d26']
ec2 = boto3.client('ec2', region_name=region)

def lambda_handler(event, context):
    ec2.start_instances(InstanceIds=instances)
    print('started your instances: ' + str(instances))
```

Step 19:- Save The Code→ Save The File→And Click On Test



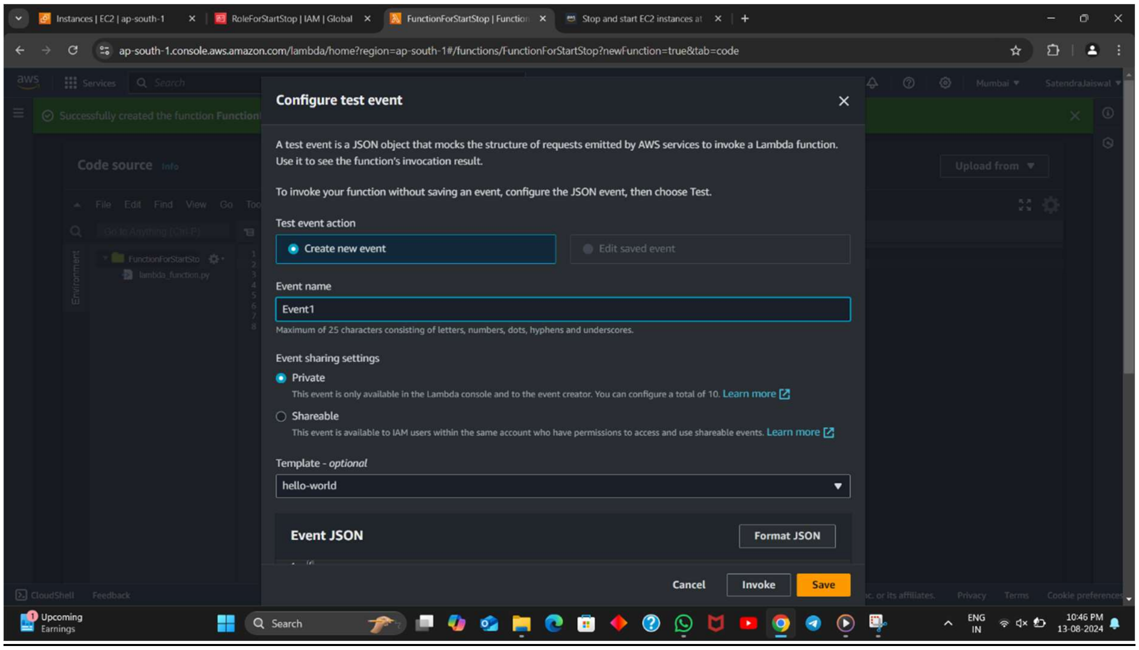
Successfully created the function **FunctionForStartStop**. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

```
import boto3
region = 'ap-south-1'
instances = ['i-0e510c723d85f89d5', 'i-075b3cbe61dd4b8b0']
ec2 = boto3.client('ec2', region_name=region)

def lambda_handler(event, context):
    ec2.start_instances(InstanceIds=instances)
    print('started your instances: ' + str(instances))
```

ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/FunctionForStartStop?newFunction=true&tab=code
Code source Info
Upload from
File Edit Find View Go Tools Window
Test
Deploy
Changes not deployed
New File Alt-N
New From Template
Open Recent
Save Ctrl-S
Save As... Ctrl-Shift-S
Save All
Line Endings
Close File Alt-W
Close All Files Alt-Shift-W
lambda_function
Environment Var
Mumbai
SatendraJaiswal
CloudShell Feedback
© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences
10:45 PM
13-08-2024

Step 20:- Enter The Test Event Name And Click On Save



Configure test event

A test event is a JSON object that mocks the structure of requests emitted by AWS services to invoke a Lambda function. Use it to see the function's invocation result.

To invoke your function without saving an event, configure the JSON event, then choose Test.

Test event action

● Create new event ○ Edit saved event

Event name

Event1

Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.

Event sharing settings

● Private

This event is only available in the Lambda console and to the event creator. You can configure a total of 10. Learn more

○ Shareable

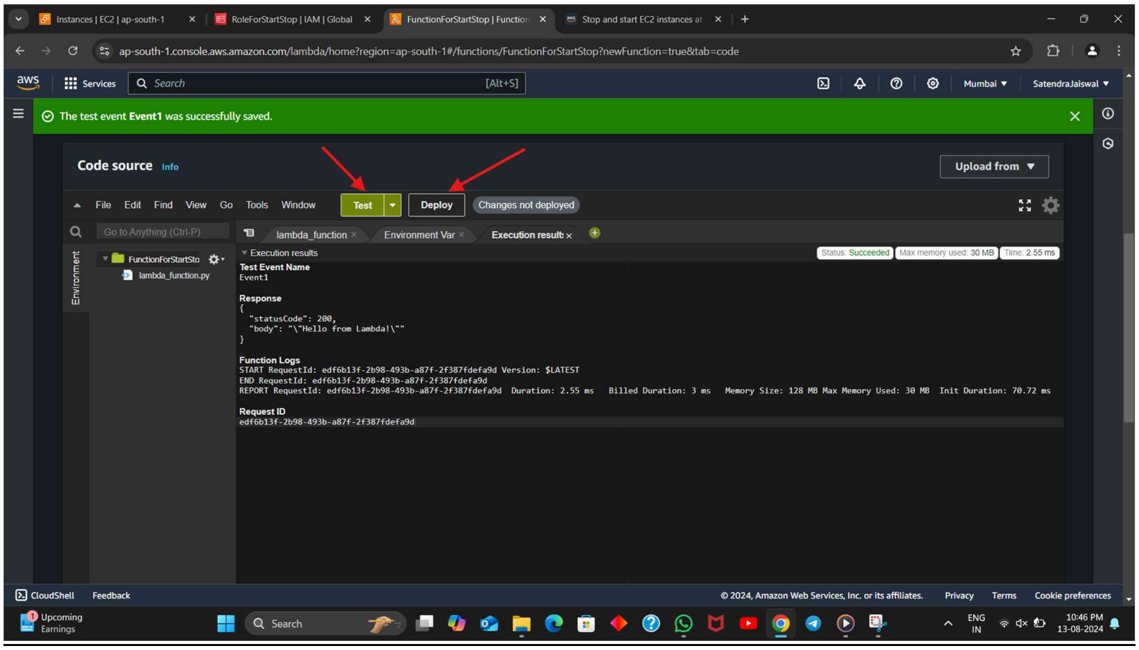
This event is available to IAM users within the same account who have permissions to access and use shareable events. Learn more

Template - *optional*

hello-world

Event JSON

Step 21:- Test Event Created Successfully→Click On Test→Finally Deploy The Code



The test event **Event1** was successfully saved.

Execution results

Status: Succeeded | Max memory used: 30 MB | Time: 2.55 ms

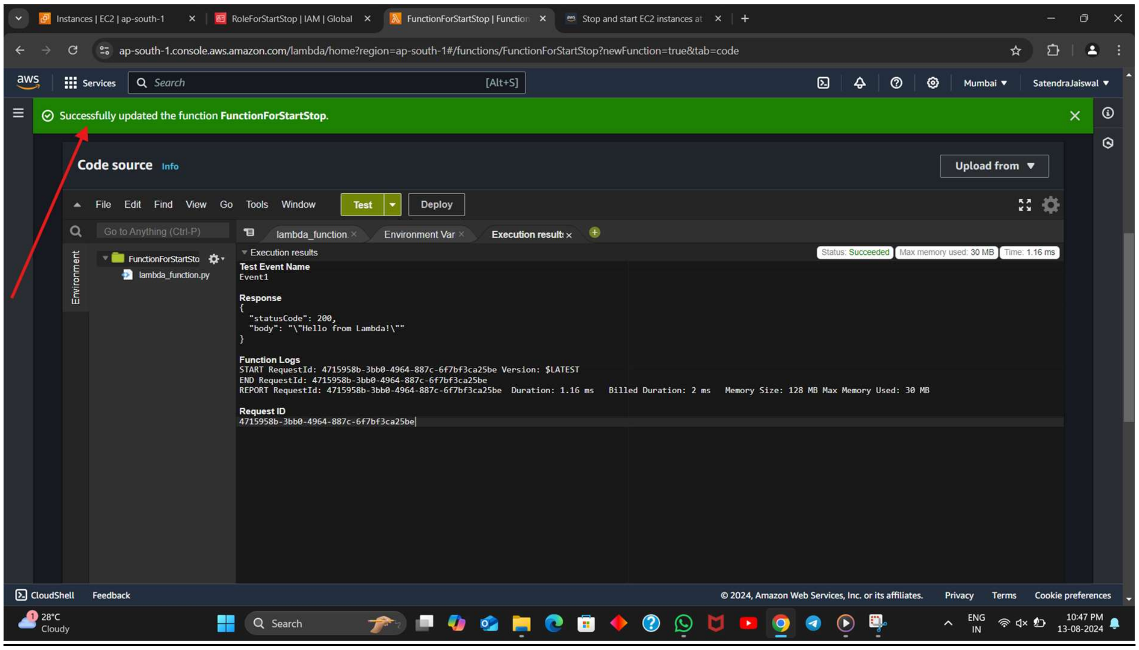
```
Test Event Name
Event1

Response
{
  "statusCode": 200,
  "body": "\"Hello from Lambda!\""
}

Function Logs
START RequestId: edf6b13f-2b98-493b-a87f-2f387fdefa9d Version: $LATEST
END RequestId: edf6b13f-2b98-493b-a87f-2f387fdefa9d
REPORT RequestId: edf6b13f-2b98-493b-a87f-2f387fdefa9d  Duration: 2.55 ms   Billed Duration: 3 ms   Memory Size: 128 MB Max Memory Used: 30 MB  Init Duration: 70.72 ms

Request ID
edf6b13f-2b98-493b-a87f-2f387fdefa9d
```

Lambda Function Code is Deployed Successfully



Successfully updated the function **FunctionForStartStop**.

Execution results — Status: Succeeded | Max memory used: 30 MB | Time: 1.16 ms

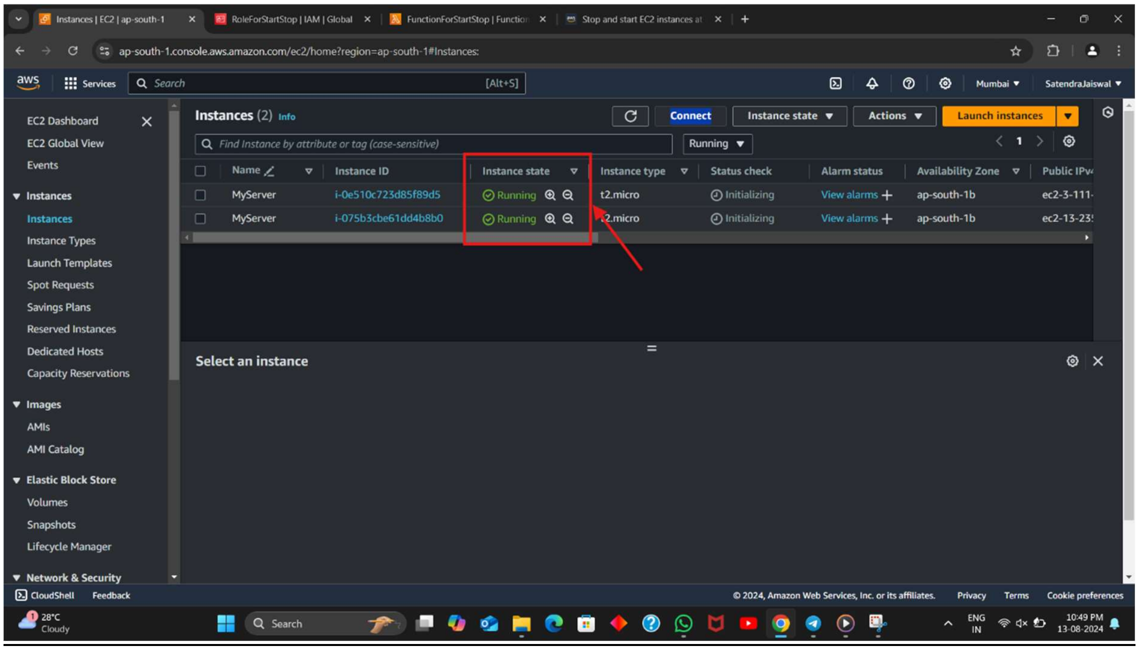
```
Test Event Name
Event1

Response
{
  "statusCode": 200,
  "body": "\"Hello from Lambda!\""
}

Function Logs
START RequestId: 4715958b-3bb0-4964-887c-6f7bf3ca25be Version: $LATEST
END RequestId: 4715958b-3bb0-4964-887c-6f7bf3ca25be
REPORT RequestId: 4715958b-3bb0-4964-887c-6f7bf3ca25be  Duration: 1.16 ms   Billed Duration: 2 ms   Memory Size: 128 MB Max Memory Used: 30 MB

Request ID
4715958b-3bb0-4964-887c-6f7bf3ca25be
```

By Using The Above Code We Started Our Stopped EC2 Instance Successfully



Instances (2)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv
MyServer	i-0e510c723d85f89d5	Running	t2.micro	Initializing	View alarms	ap-south-1b	ec2-3-111-
MyServer	i-075b3cbe61dd4b8b0	Running	t2.micro	Initializing	View alarms	ap-south-1b	ec2-13-23!

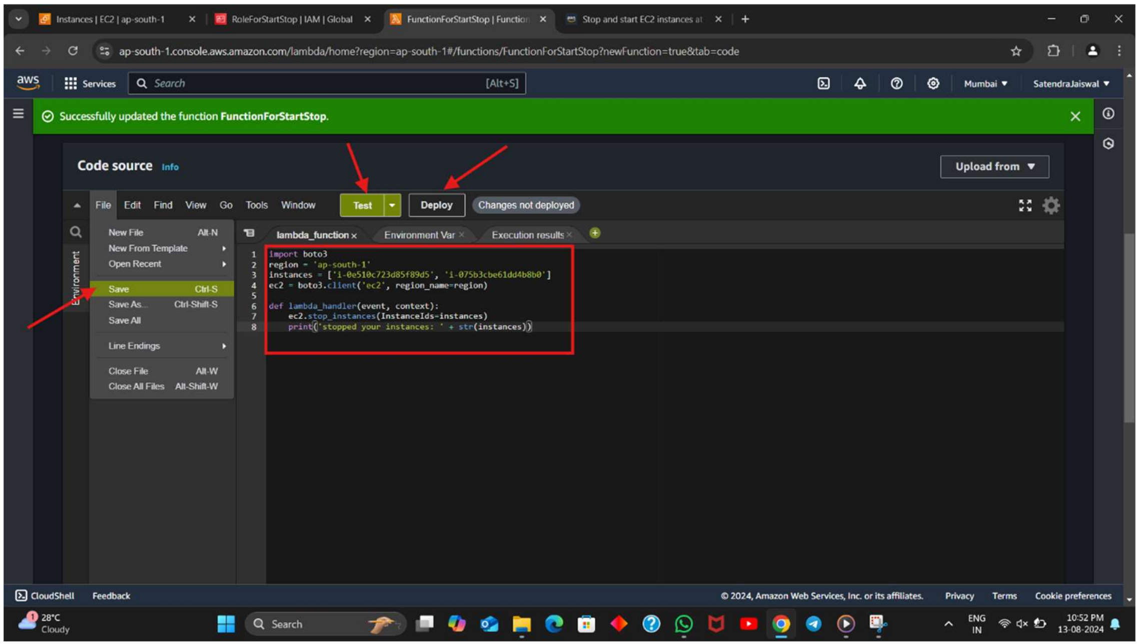
Now We Will Do The Same Thing To Stop Our Instances.

Step 22:- Write The Following Lambda Function Code In The Code Section To Stop The Running Instance

```
import boto3
region = 'us-west-1'
instances = ['i-12345cb6de4f78g9h', 'i-08ce9b2d7eccf6d26']
ec2 = boto3.client('ec2', region_name=region)

def lambda_handler(event, context):
    ec2.stop_instances(InstanceIds=instances)
    print('stopped your instances: ' + str(instances))
```

Step 23:- Write The Code→Save The File→Click On Test→Click On Deploy



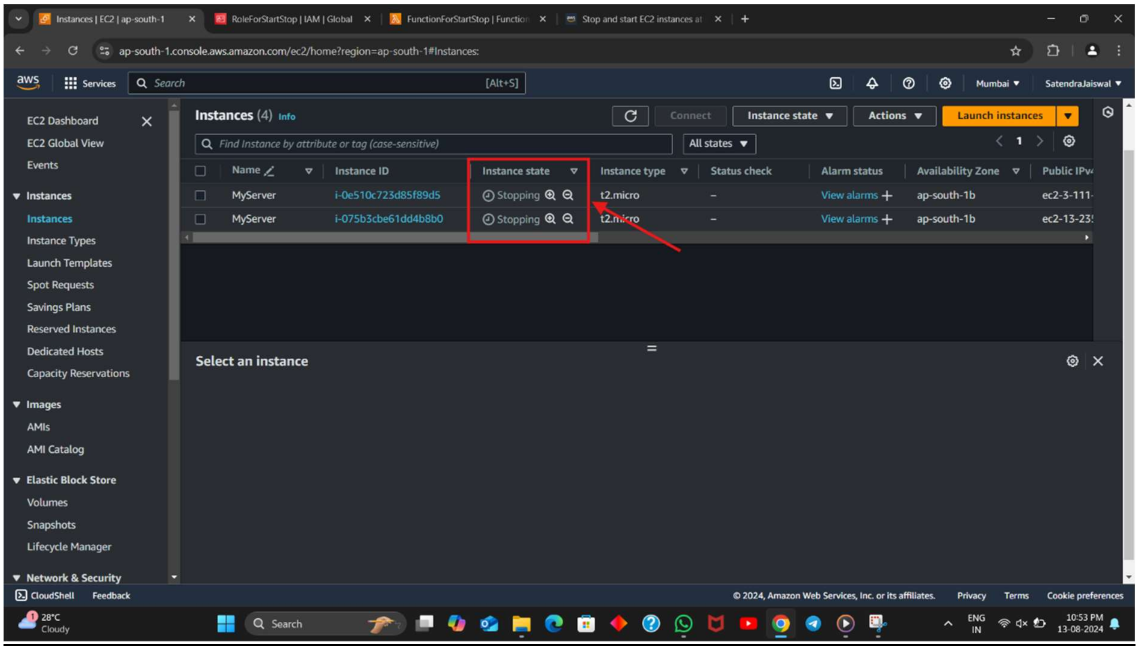
Successfully updated the function FunctionForStartStop.

```
import boto3
region = 'ap-south-1'
instances = ['i-0e510c723d85f89d5', 'i-075b3cbe61dd4b8b0']
ec2 = boto3.client('ec2', region_name=region)

def lambda_handler(event, context):
    ec2.stop_instances(InstanceIds=instances)
    print('stopped your instances: ' + str(instances))
```

Deployed Successfully

Step 24:- Here You Can See That By Using The Above The Code We Successfully Stopped Our Running Instances



Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv
MyServer	i-0e510c723d85f89d5	Stopping	t2.micro	–	View alarms +	ap-south-1b	ec2-3-111-
MyServer	i-075b3cbe61dd4b8b0	Stopping	t2.micro	–	View alarms +	ap-south-1b	ec2-13-23