

29th August 2024 - Lambda

1. Create two instances (preprodserver) on EC2 server

Successfully initiated termination (deletion) of i-0a2e3e85bd721046b

Instances (3) Info

Last updated less than a minute ago

Find Instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>	preprodserver	i-017955be3373ff59d	Running	t2.micro	Initializing	View alarms +
<input type="checkbox"/>	preprodserver	i-09cc2db57b8eb89ae	Running	t2.micro	Initializing	View alarms +
<input type="checkbox"/>	Production	i-0a2e3e85bd721046b	Terminated	t2.micro	-	View alarms +

Select an instance

Activate Windows
Go to Settings to activate Windows.

2. Add Tags for the instance ([i-017955be3373ff59d](#))

EC2 > Instances > [i-017955be3373ff59d](#) > Manage tags

Manage tags Info

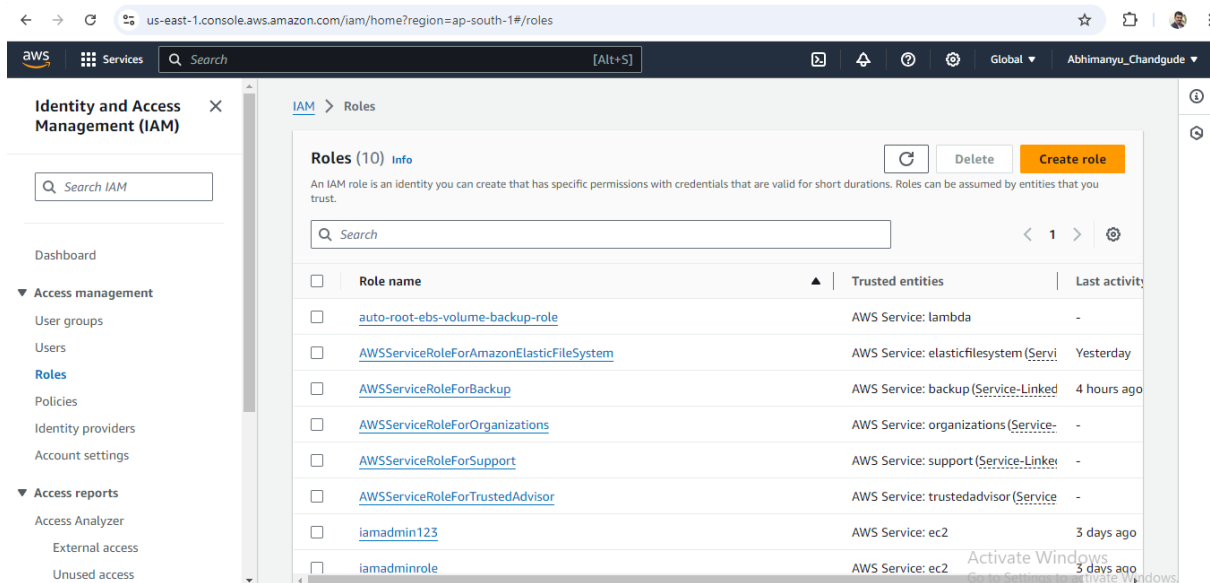
A tag is a custom label that you assign to an AWS resource. You can use tags to help organize and identify your instances.

Key	Value - optional	
<input type="text" value="Name"/>	<input type="text" value="preprodserver"/>	Remove
<input type="text" value="backup"/>	<input type="text" value="Yes"/>	Remove

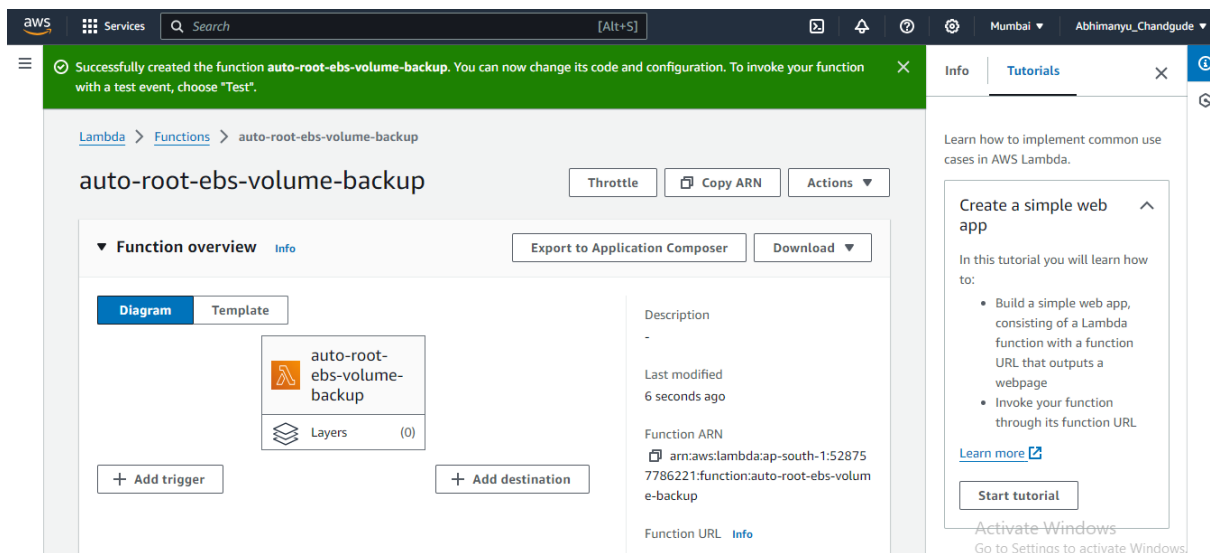
You can add up to 48 more tags.

Cancel Save

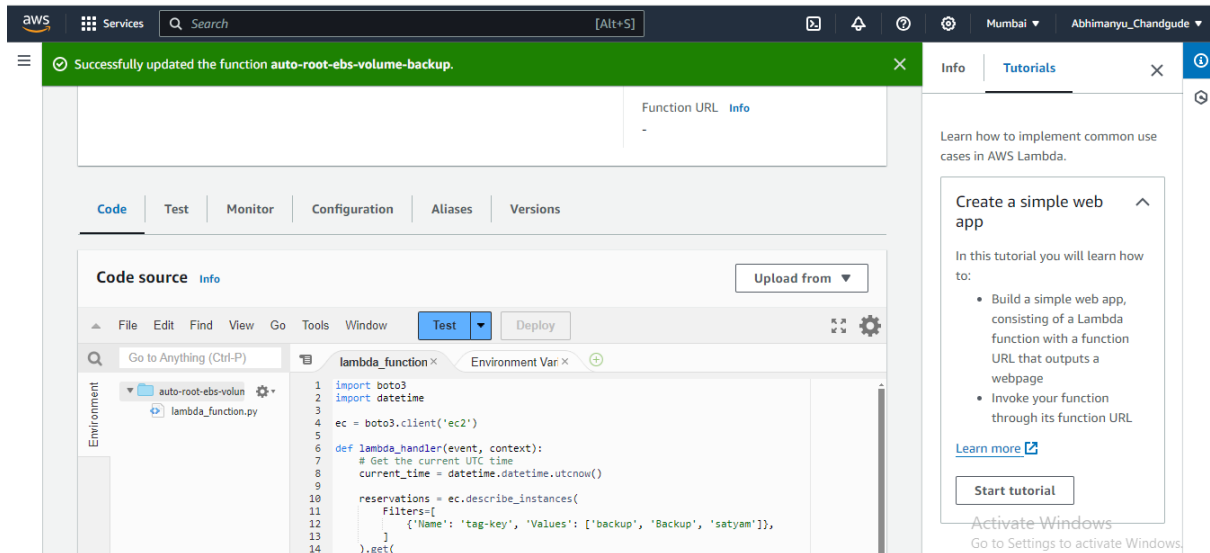
3. Create IAM role for Lambda service



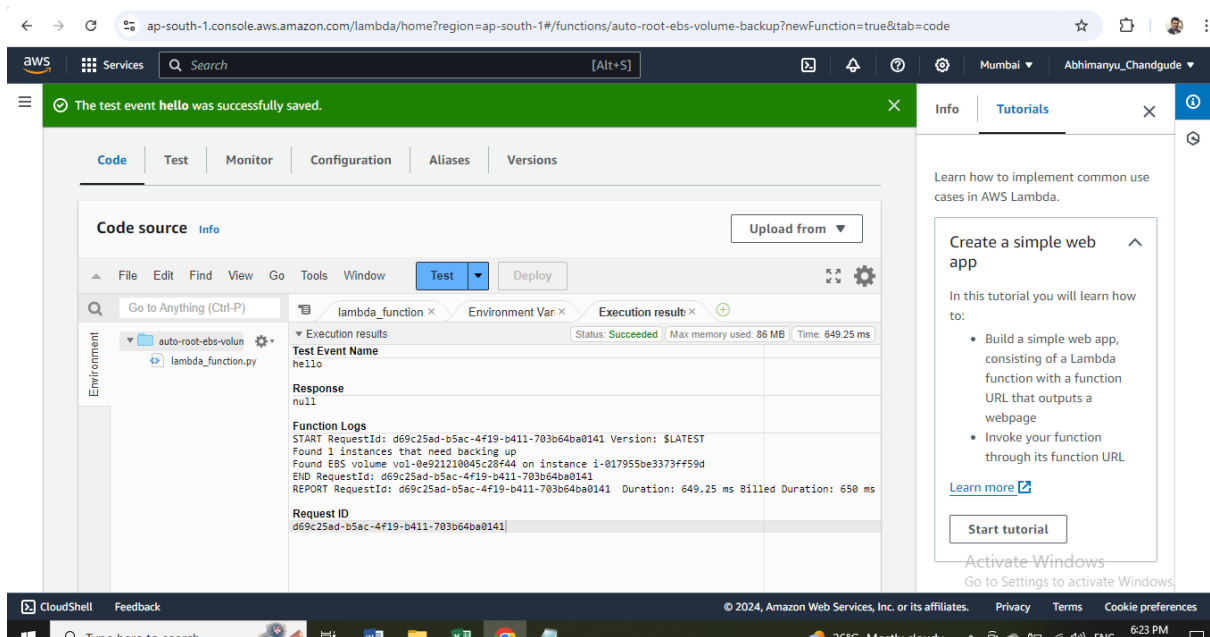
4. Create Lambda function



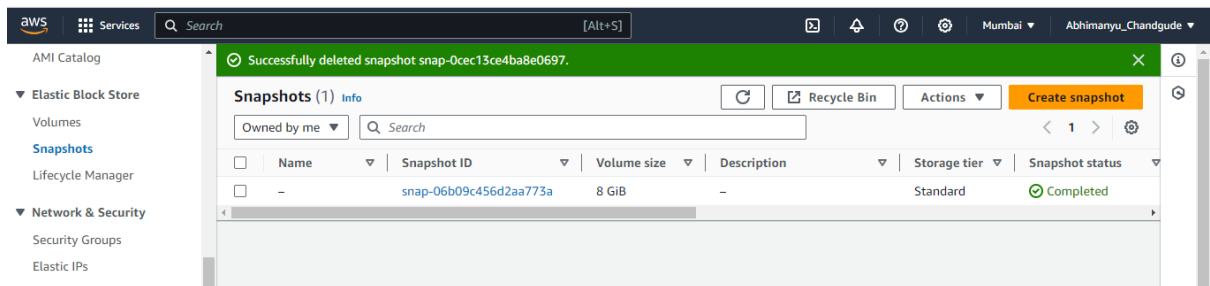
5. Deploy the Python code



6. Run/Test the code with event name “hello”



Check whether snapshot is created or not



7. Hit/Run/Test the code 5 times to create 5 snapshots

Successfully deleted snapshot snap-0cec13ce4ba8e0697.

Snapshots (5) Info

Owned by me Search

	Name	Snapshot ID	Volume size	Description	Storage tier	Snapshot status
<input type="checkbox"/>	-	snap-0dcda9fb91767391	8 GiB	-	Standard	Pending
<input type="checkbox"/>	-	snap-06b09c456d2aa773a	8 GiB	-	Standard	Completed
<input type="checkbox"/>	-	snap-06f0ccbfee5316a2b	8 GiB	-	Standard	Pending
<input type="checkbox"/>	-	snap-067ea061f9e80ad2a	8 GiB	-	Standard	Pending
<input type="checkbox"/>	-	snap-05cf831a2ccf5d68c	8 GiB	-	Standard	Completed

Select a snapshot above.

8. Add trigger to schedule the activity automatically for multiple times (1 minute)

Rule name: trigger

Rule description: Provide an optional description for your rule.

Rule type: ☒ Schedule expression

Schedule expression: rate(1 minute)

Lambda will add the necessary permissions for Amazon EventBridge (CloudWatch Events) to invoke your Lambda function from this trigger. [Learn more](#) about the Lambda permissions model.

[Cancel](#) [Add](#)

The trigger trigger was successfully added to function auto-root-efs-volume-backup. The function is now receiving events from the trigger.

Function overview Info

Export to Application Composer Download

Diagram Template

auto-root-efs-volume-backup

Layers (0)

EventBridge (CloudWatch Events)

+ Add destination

+ Add trigger

Description: -

Last modified: 22 minutes ago

Function ARN: arn:aws:lambda:ap-south-1:528757786221:function:auto-root-efs-volume-backup

Function URL: Info

9. Snapshot will be generated as per scheduler (1 minute each)

← → ↻ ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Snapshots: ☆ ⓘ | Abhimanyu_Chandgude

aws Services Search [Alt+5]

AMI Catalog

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

▼ Load Balancing

Load Balancers

Target Groups

Trust Stores [New](#)

▼ Auto Scaling

Auto Scaling Groups

Successfully deleted 6 snapshots.

Snapshots (3) Info

Owned by me Search

Recycle Bin Actions Create snapshot

<input type="checkbox"/>	Name	Snapshot ID	Volume size	Description	Storage tier	Snapshot status
<input type="checkbox"/>	-	snap-0bda048a31c27e1d5	8 GiB	-	Standard	Pending
<input type="checkbox"/>	-	snap-0921f989e66a8dcc4	8 GiB	-	Standard	Completed
<input type="checkbox"/>	-	snap-0633f3f22969502b1	8 GiB	-	Standard	Completed

Select a snapshot above.

Activate Windows
Go to Settings to activate Windows.