

Task 22 - Stop the EC2 instance with help of lambda and get the notification through the cloud watch as instance stopped..

First create one instance and go to sns and create the topic and subscription and then go to lambda and create role and upload the code for stopping instance....

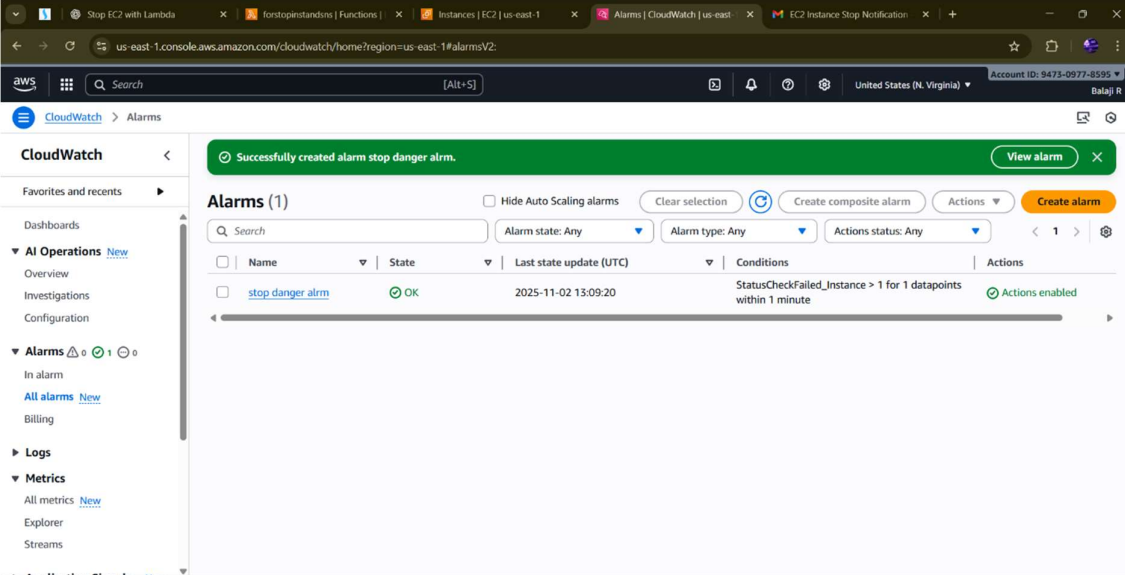
The first screenshot shows the AWS Lambda console for the function 'forstopinstances'. It displays the code for 'lambda_function.py' which uses the boto3 library to stop an EC2 instance. The function logs show a successful execution with a status code of 200 and a message: "EC2 instance i-095b3186634dcceb2 is being stopped." The execution results show a duration of 4057.24 ms and a billed duration of 4366 ms.

```
1 import boto3
2
3 def lambda_handler(event, context):
4     ec2 = boto3.client('ec2')
5     sns = boto3.client('sns')
6
7     # Replace with your EC2 instance ID
8     instance_id = 'i-095b3186634dcceb2'
9     # Replace with your SNS topic ARN
```

The second screenshot shows the AWS EC2 console for the instance 'i-095b3186634dcceb2'. The instance is in the 'Stopped' state. The console shows the instance details, including the instance type 't3.micro' and the availability zone 'us-east-1c'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public
stop	i-095b3186634dcceb2	Stopped	t3.micro	-	View alarms +	us-east-1c	-

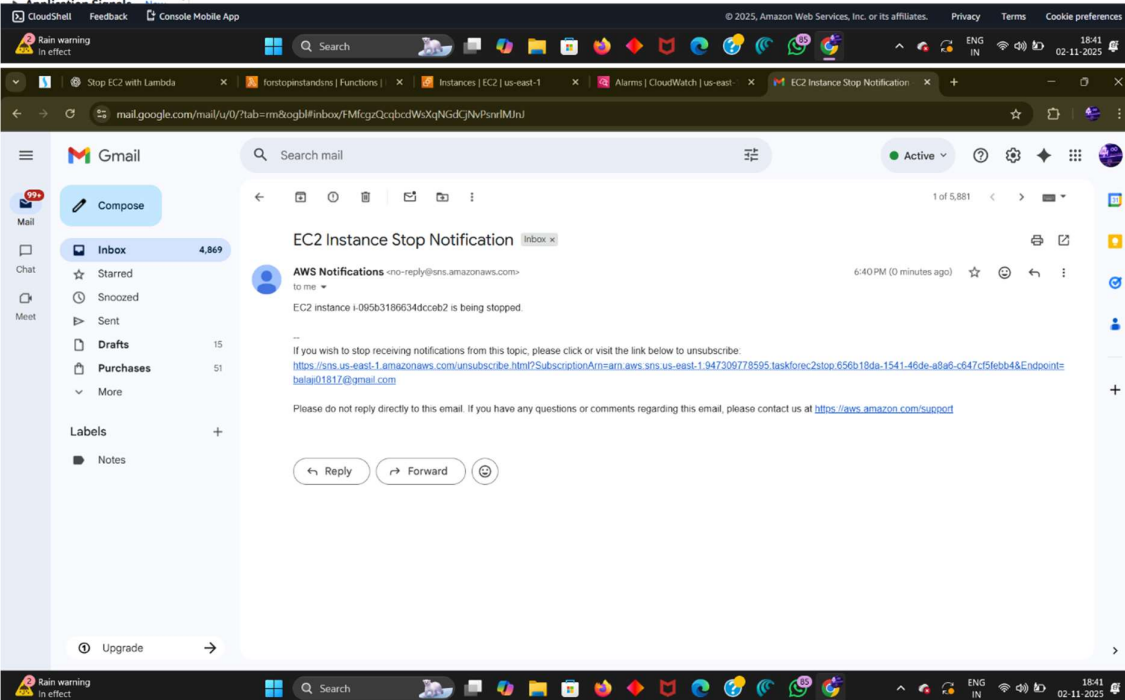
Create a cloud watch and choose the metric as status check stop instance.. and create It run the lambda code u get the output



The screenshot shows the AWS CloudWatch Alarms console. A green banner at the top indicates "Successfully created alarm stop danger alarm." Below this, the "Alarms (1)" section displays a table with one alarm:

Name	State	Last state update (UTC)	Conditions	Actions
stop danger alarm	OK	2025-11-02 13:09:20	StatusCheckFailed_Instance > 1 for 1 datapoints within 1 minute	Actions enabled

The left sidebar shows navigation options like "Dashboards", "Alarms", "Logs", and "Metrics".



The screenshot shows a Gmail inbox with an email from "AWS Notifications" titled "EC2 Instance Stop Notification". The email content states:

EC2 instance i-095b3186634dcccab2 is being stopped.

Below this, there is a link to unsubscribe from notifications and a support link: <https://aws.amazon.com/support>.