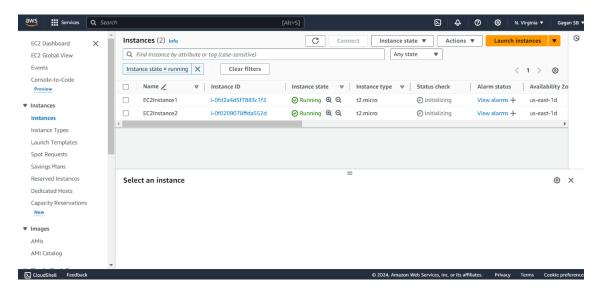
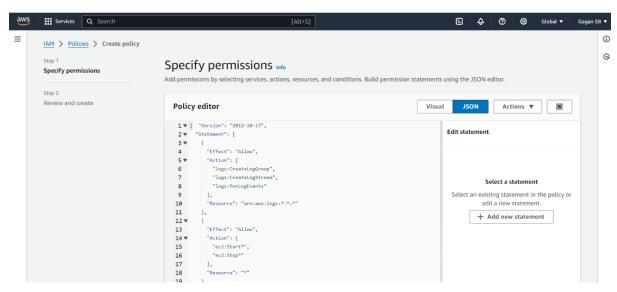
## AWS Project to automatically start and stop Amazon EC2 instances using AWS Lambda.

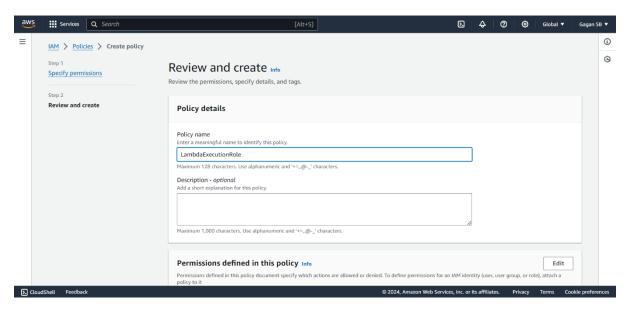
**Project Description:** Use AWS Lambda to automatically stop and start Amazon EC2 instances.

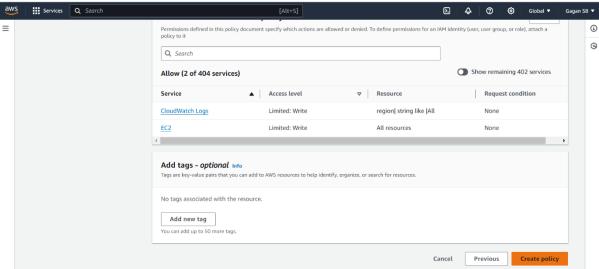
Step1: Launch Two EC2 Instances Manually

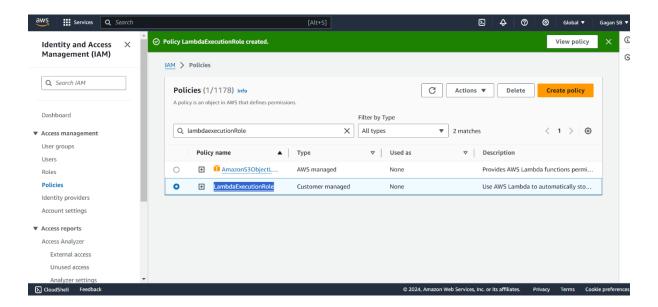


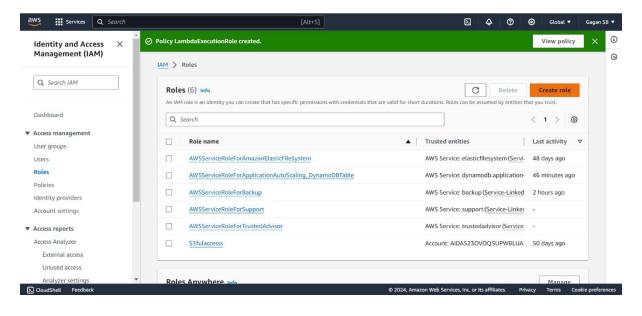
**Step2:** Create an IAM policy and IAM role for your Lambda function.

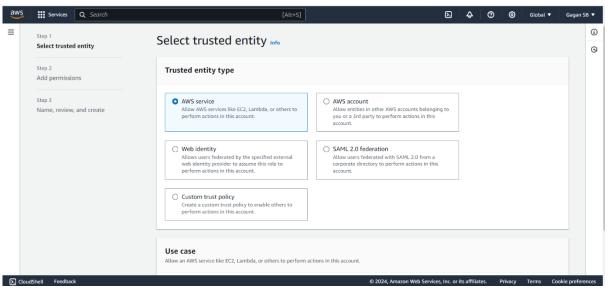


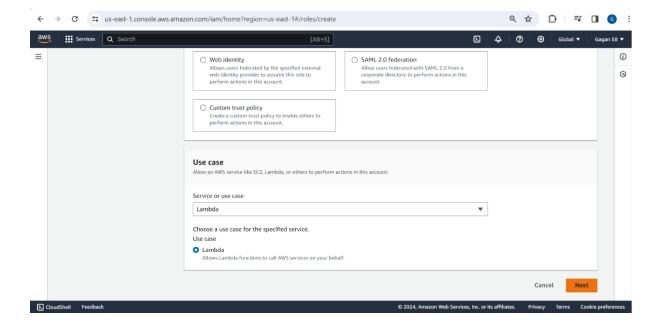


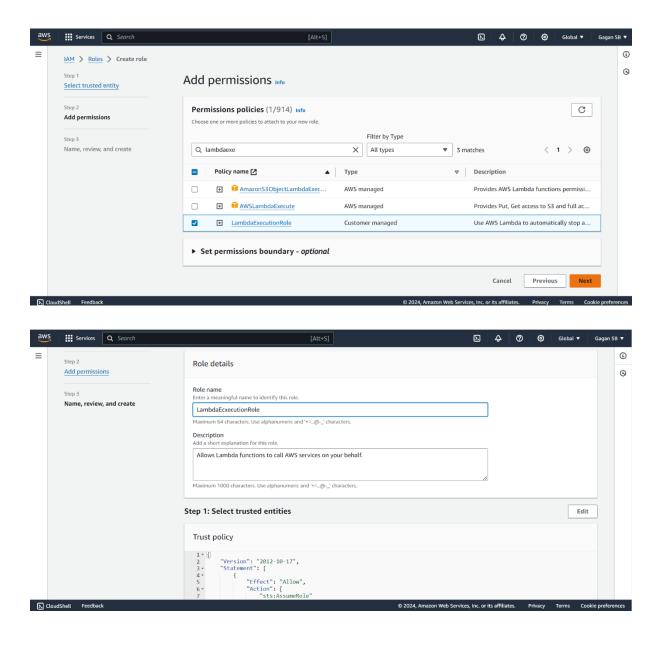


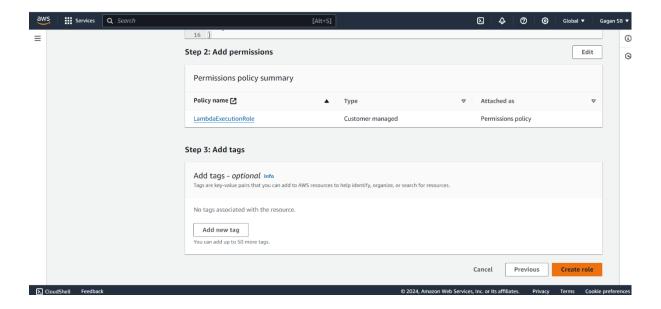


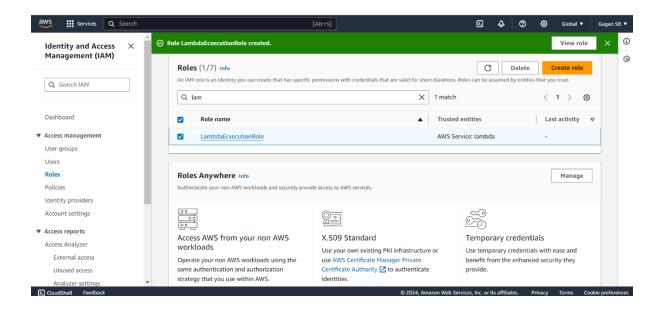


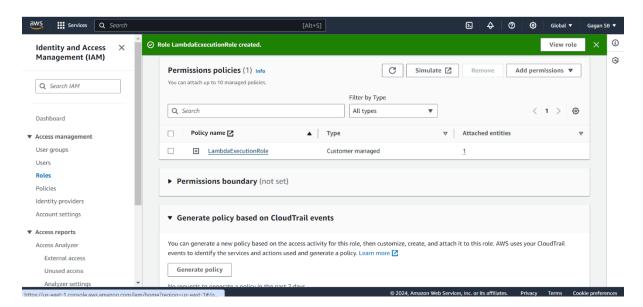








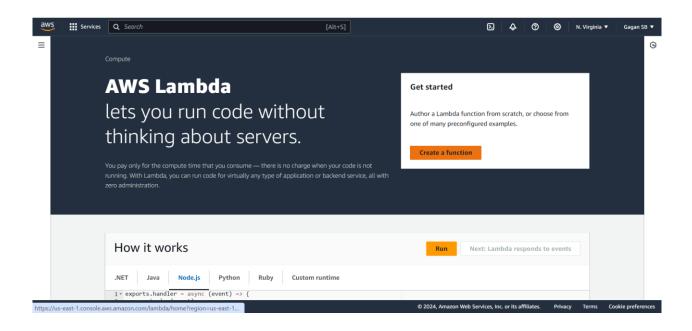


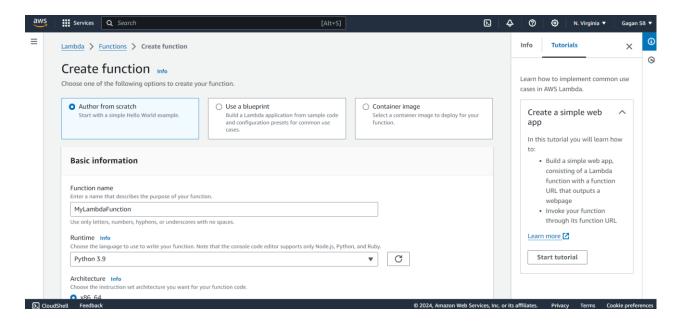


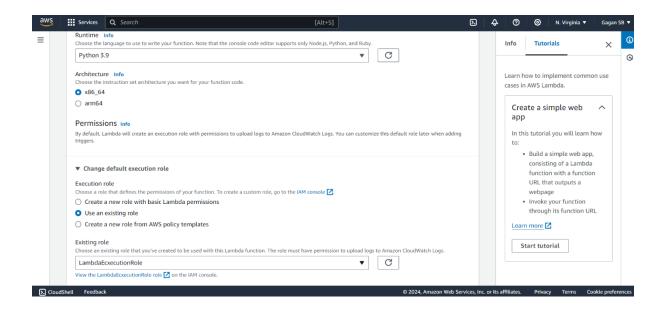
## **JSON Policy Document Code:**

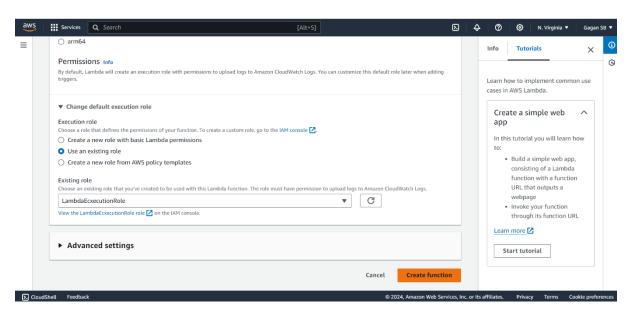
```
"ec2:Start*",
    "ec2:Stop*"
],
    "Resource": "*"
}
]
```

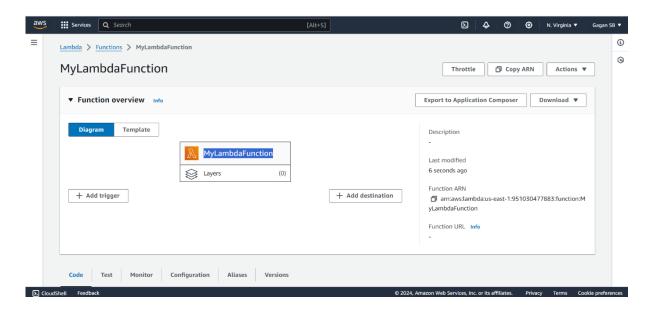
Step3: Create Lambda functions that stop and start your instances







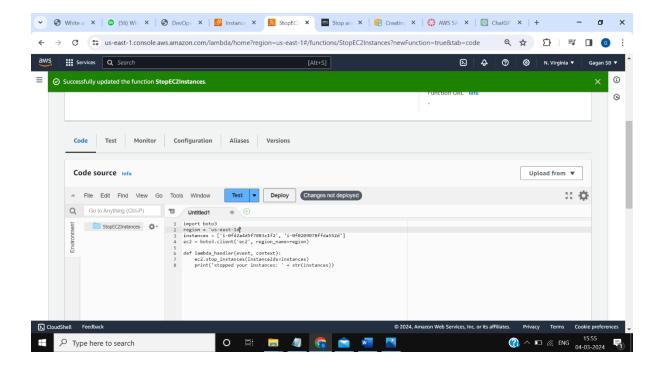


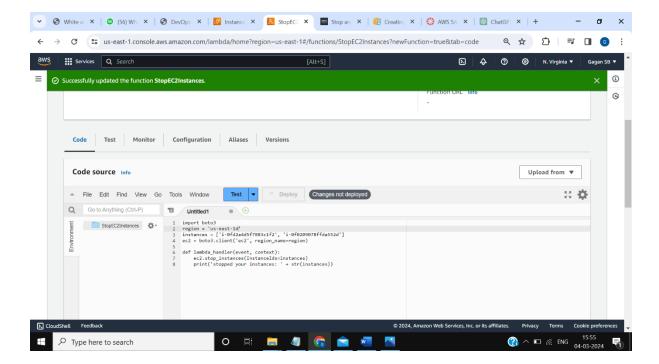


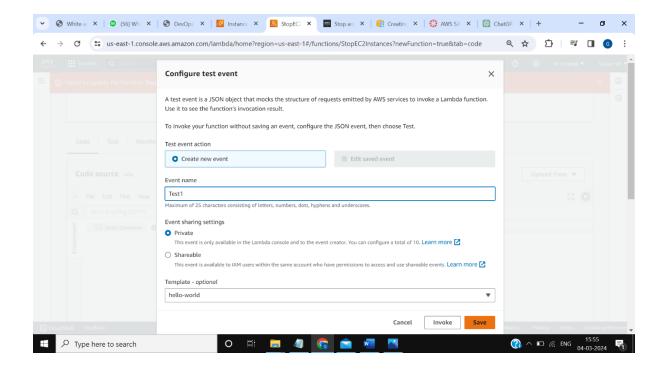
## This code stops the instances

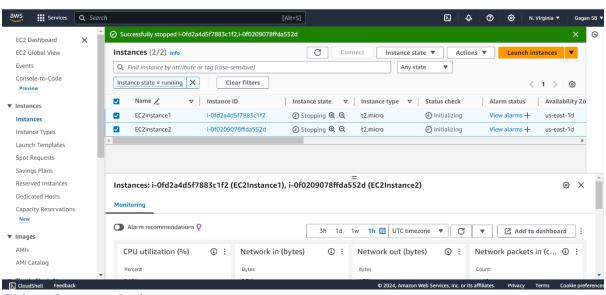
```
import boto3
region = 'us-west-1'
instances = ['i-12345cb6de4f78g9h', 'i-08ce9b2d7eccf6d26']
ec2 = boto3.client('ec2', region_name=region)

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









## This code starts the instances

```
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))
```

