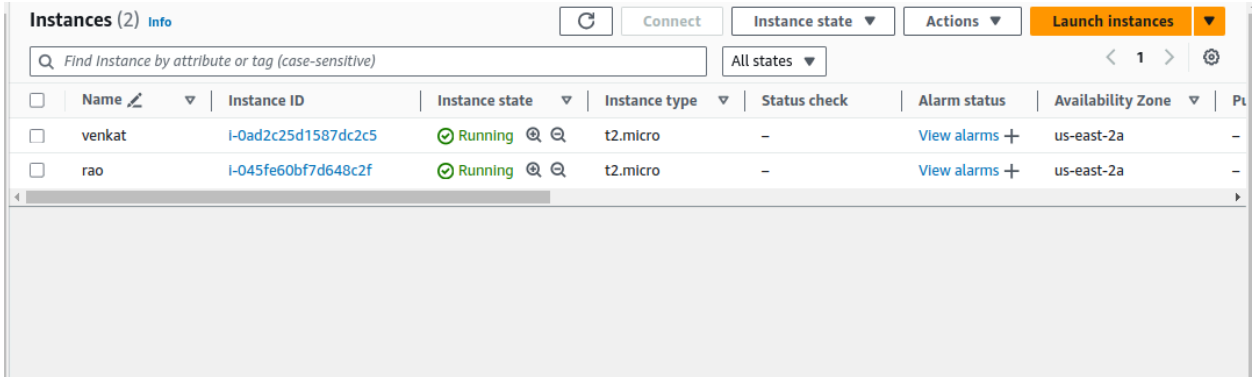
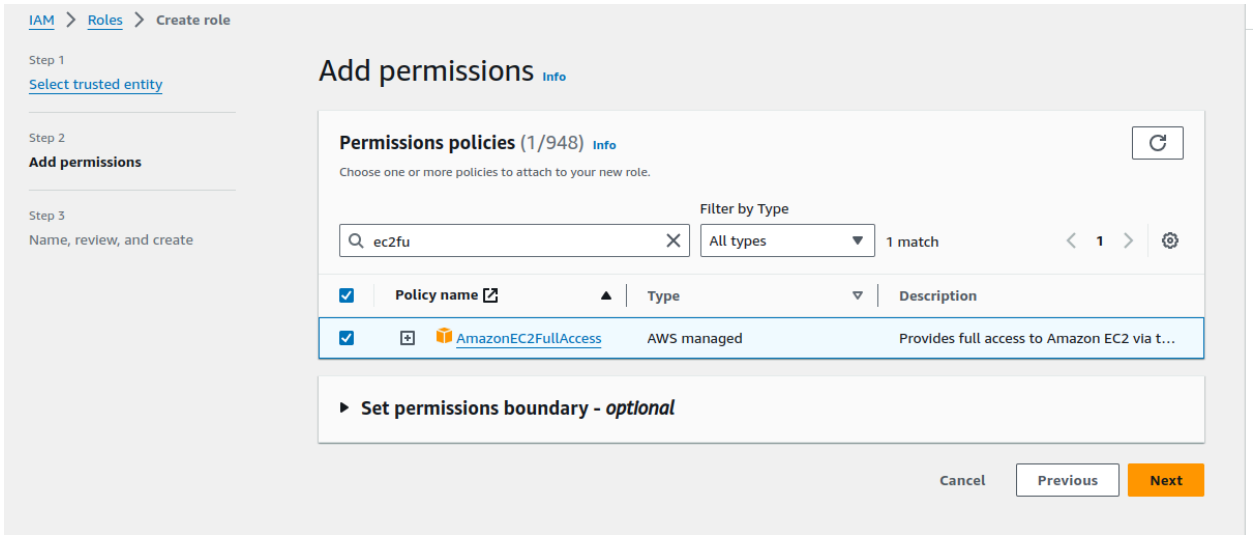
AWS LAMBDA

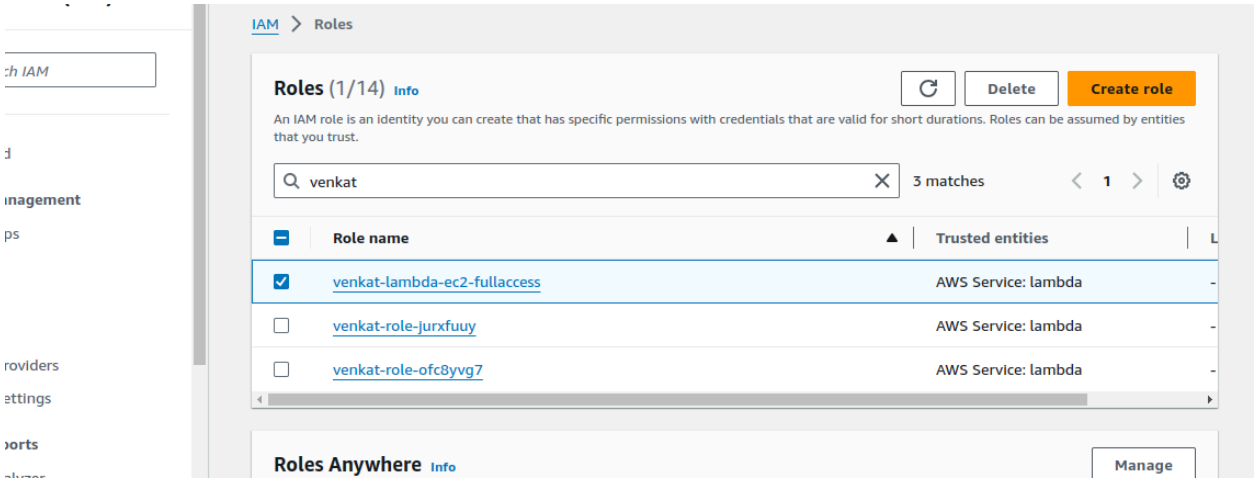
1) Go to ec2 and launch 2 servers



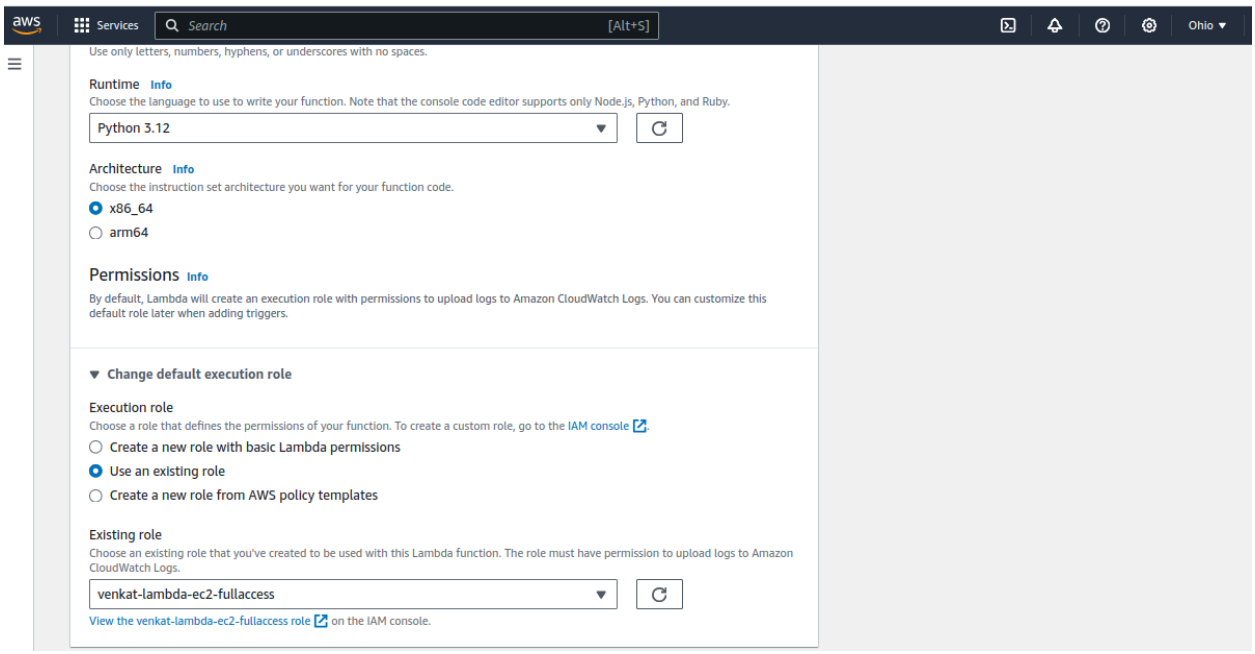
2) Name = venkat and rao
3) Go to iam and go to roles create role
4) Trusted entity type = aws service
5) Use case = lambda and click next
6) Add permissions = give ec2 full acces and click next



7) Role name= venkat-lambda-ec2-fullaccess
8) Click crete role



9) Go lambda click create function
10) Select author from scratch
11) Function name= venkat
12) runtime= python
13) Click default execution role select = use an existing role select =venkat-lambda-ec2-fullaccess



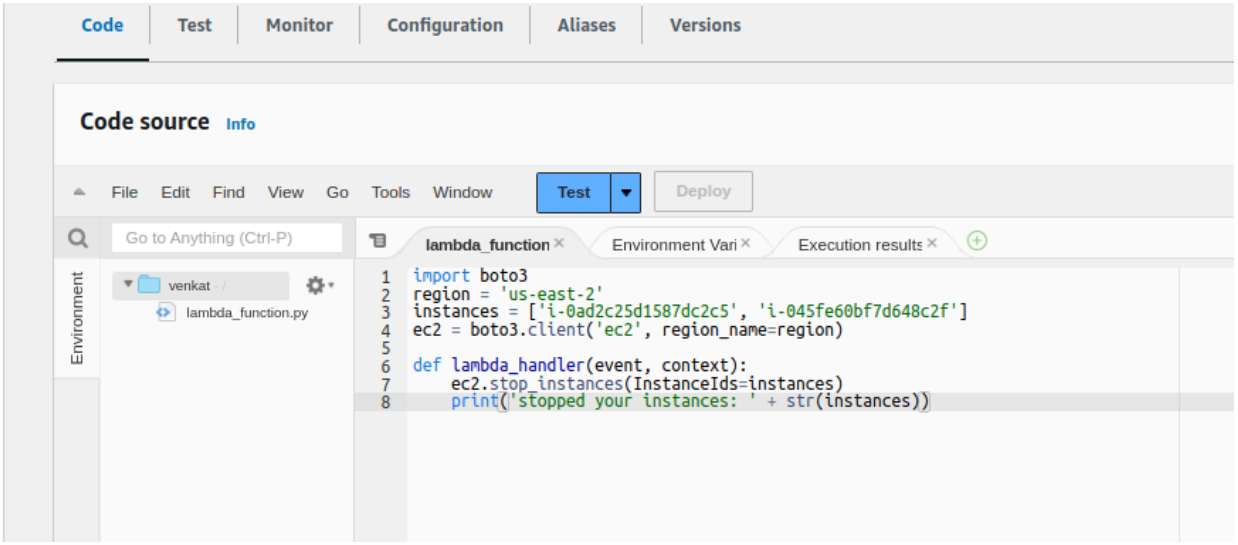
14) Click create function
15) Go to google search = ec2 start and stop using aws lambda (https://repost.aws/knowledge-center/start-stop-lambda-eventbridge)

```
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))
```

(⇒above script

16) Above script change ec2 instance ids and region after click depoly

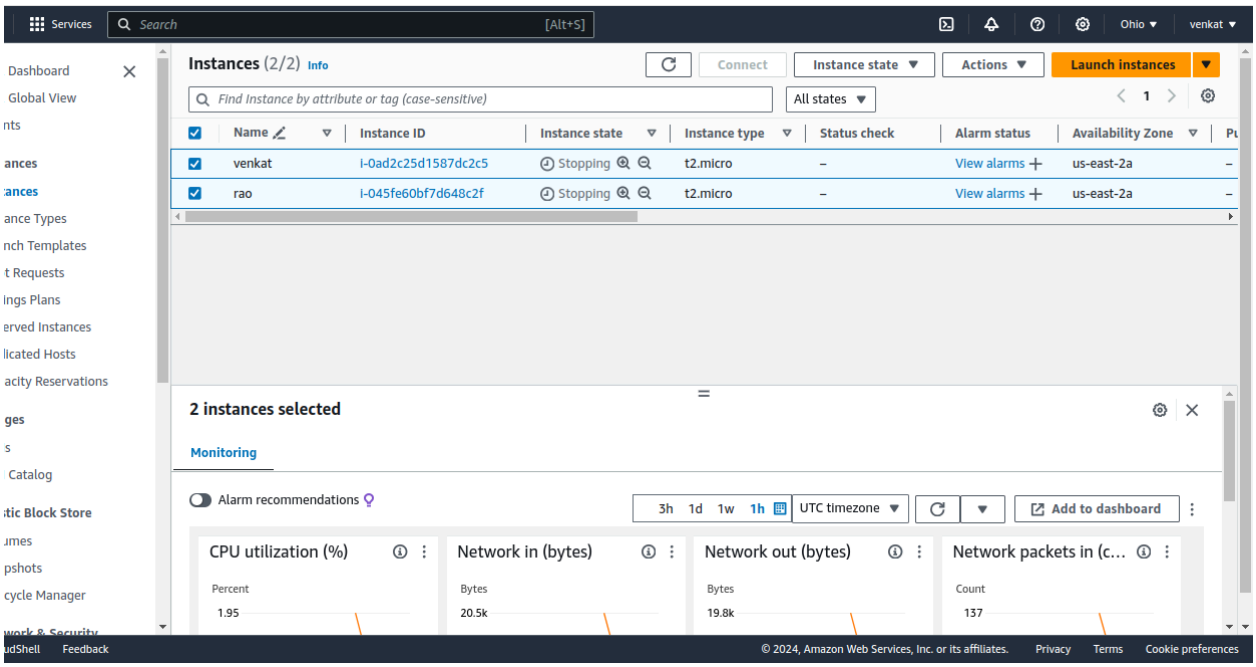


17) Now click test

18) Test event action= create new event

19) Event name= test1 click save

20) Click test the instance stopping go to ec2 check



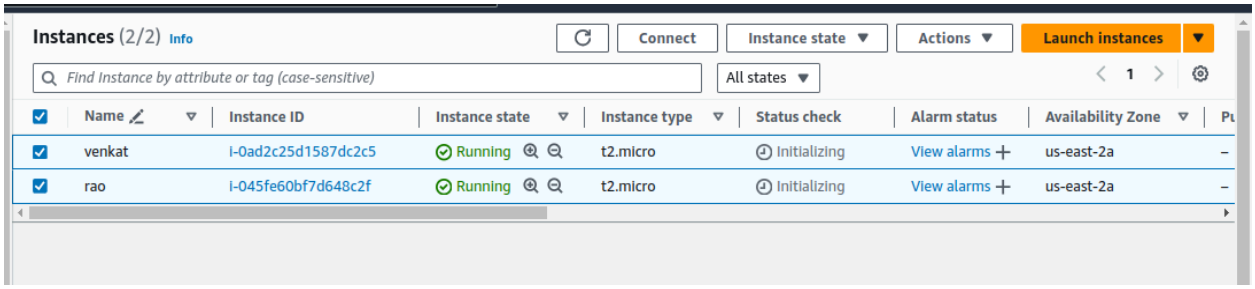
21) Above script just chang stop place use start and again deploy and test check ec2 instance

import boto3

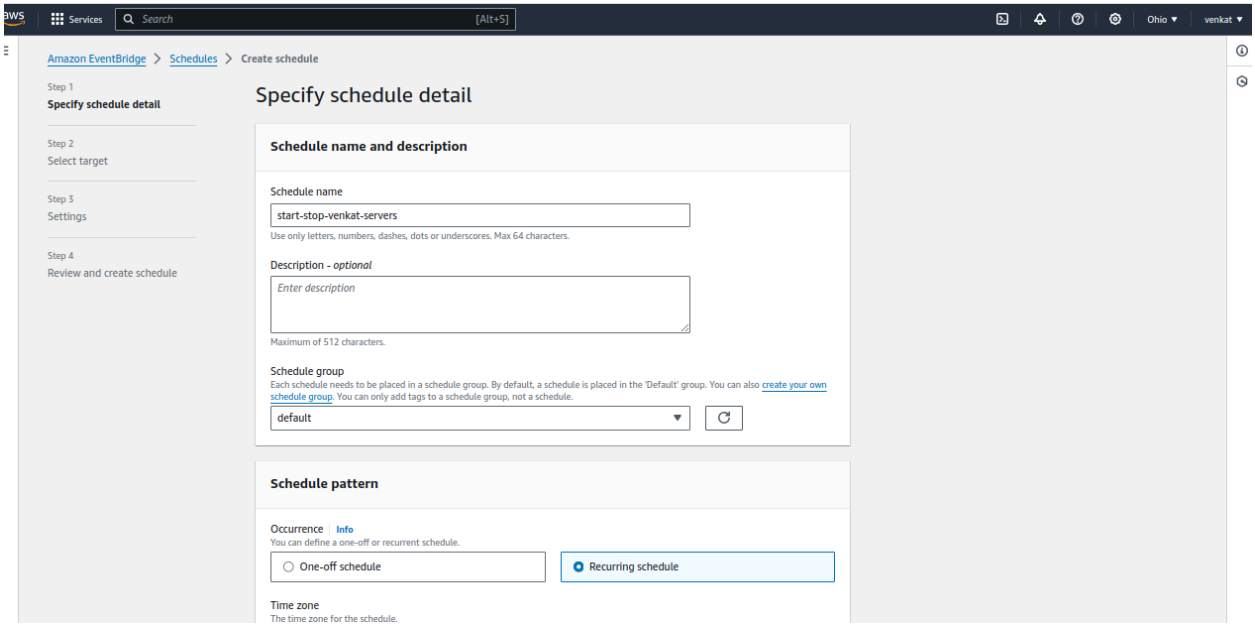
region = 'us-east-2'

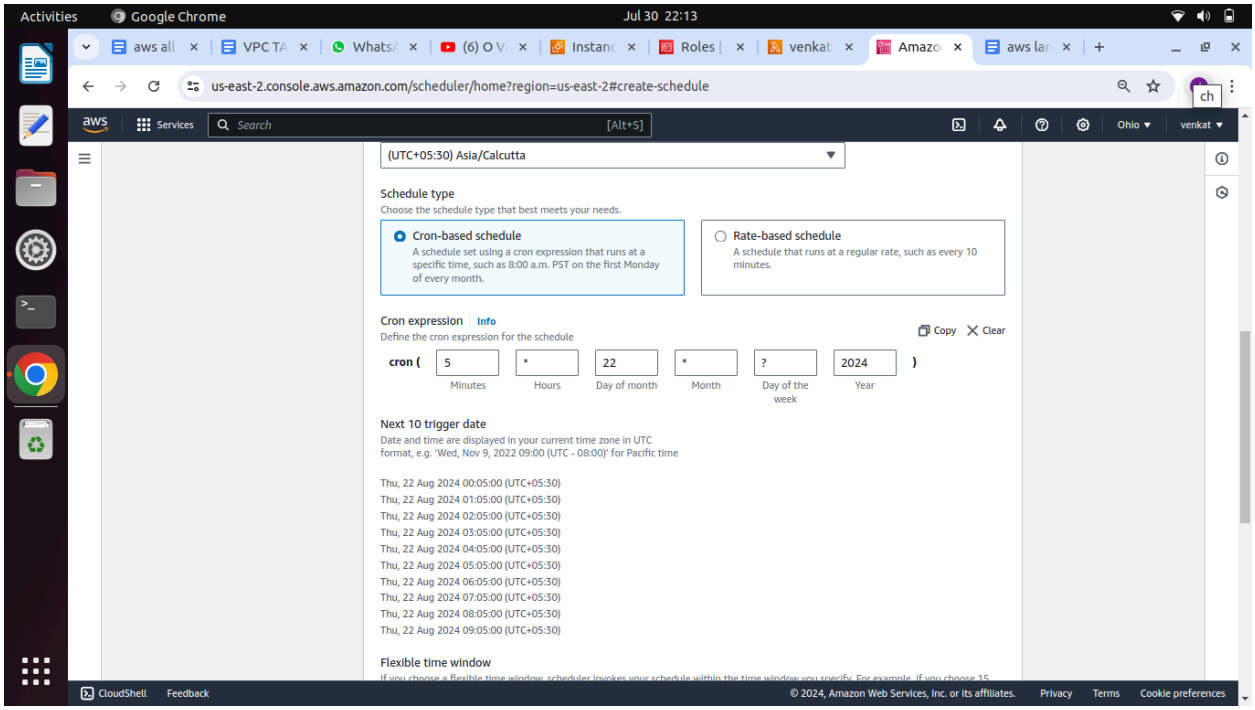
```
instances = ['i-0ad2c25d1587dc2c5', 'i-045fe60bf7d648c2f']
ec2 = boto3.client('ec2', region_name=region)

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

22) Click deploy and click test
23) Go to ec2 instance check started or not



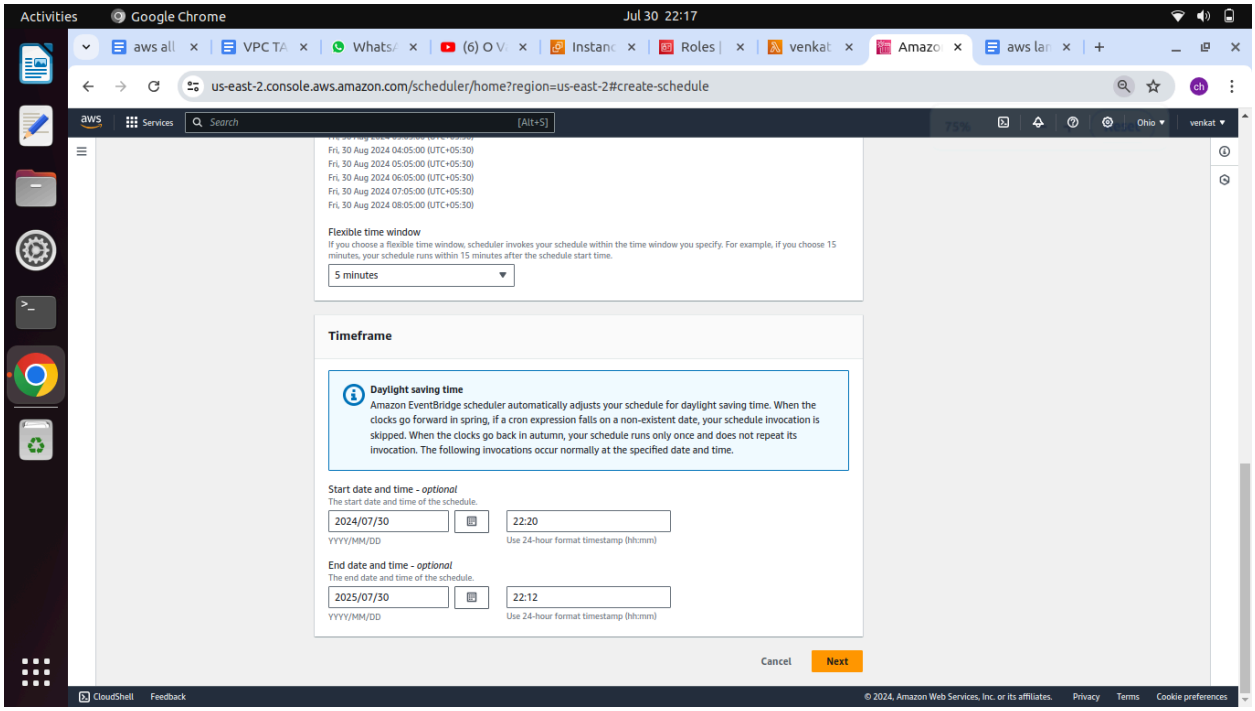
24) Now go to amazon event bridge
25) Go to schedule and click create schedule
26) occurrence= recurring schedule
27) Schedule type= cron-based schedule





28) corn= 5 * 30 * ? 2024

29) Flexible time window = 5 min use or set off



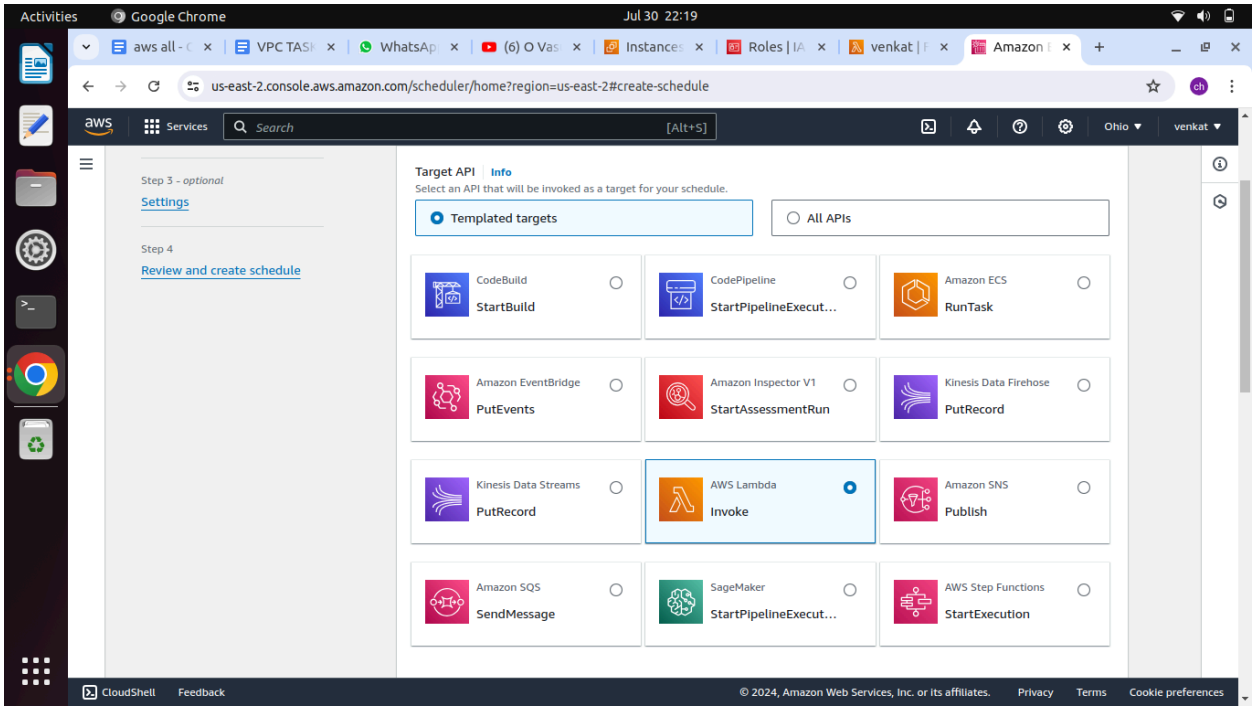
30) Star

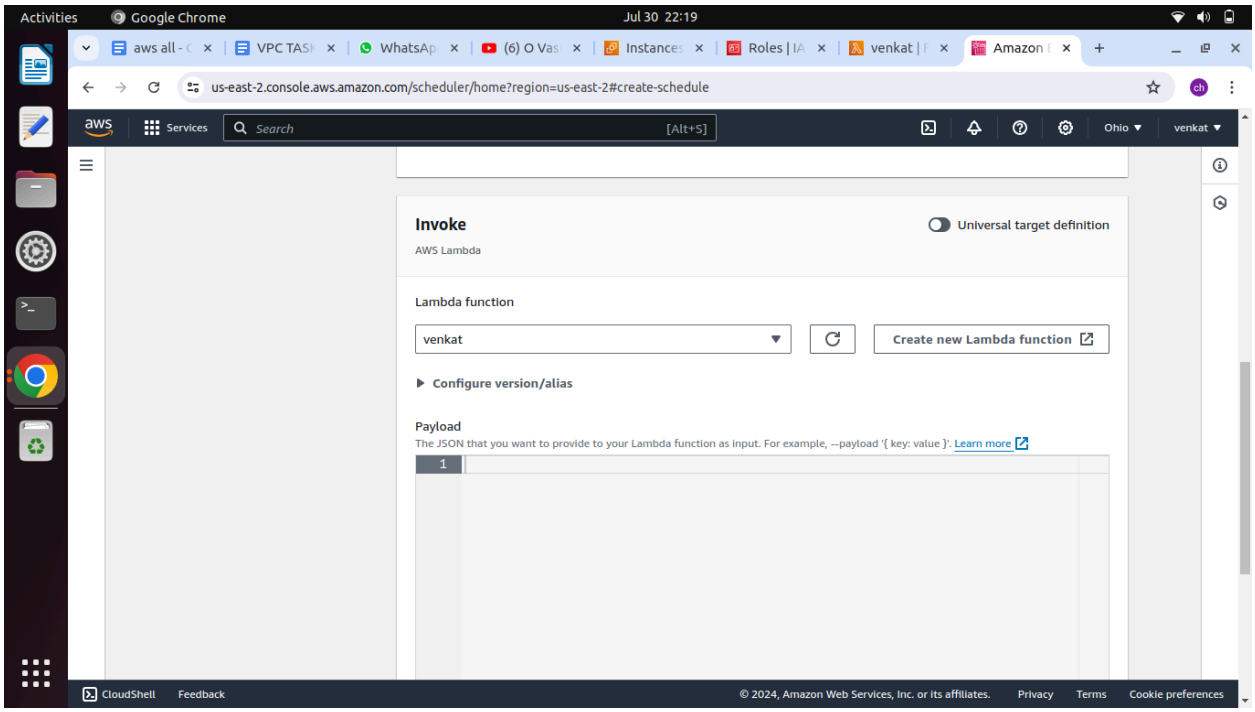
31) Sto

32) Click next

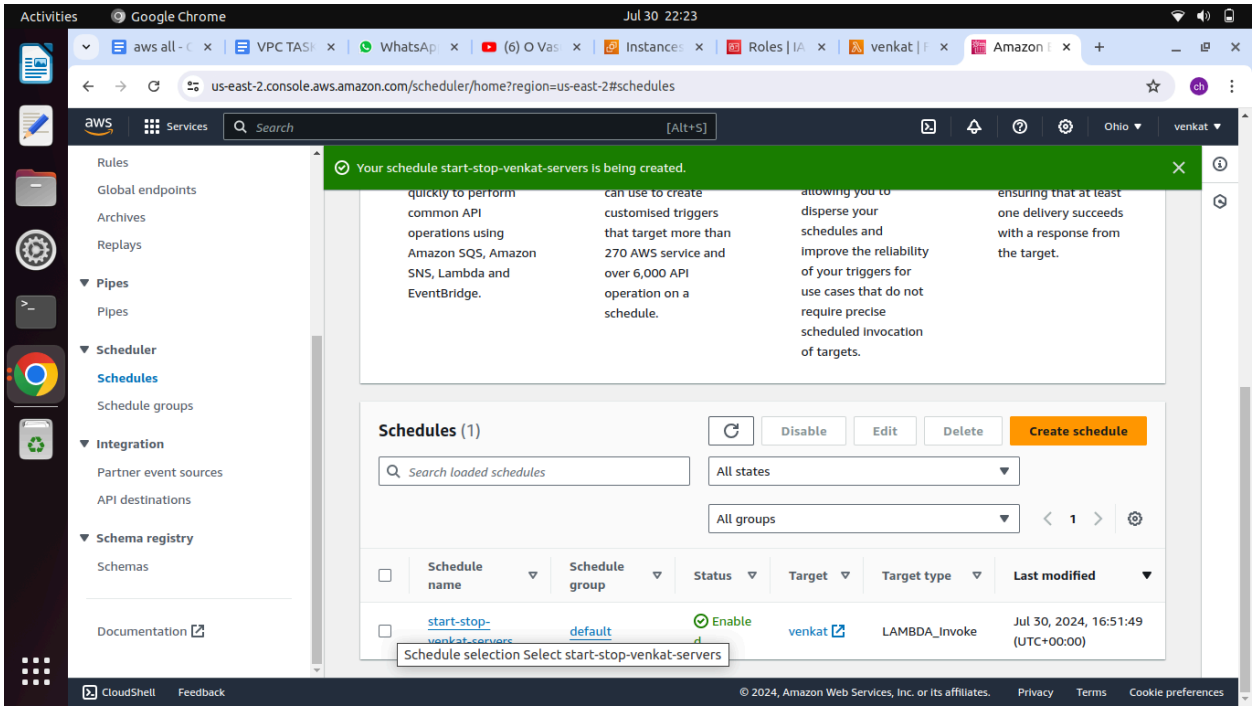
33) Target api= templeted targets

34) Select aws lambda invoke

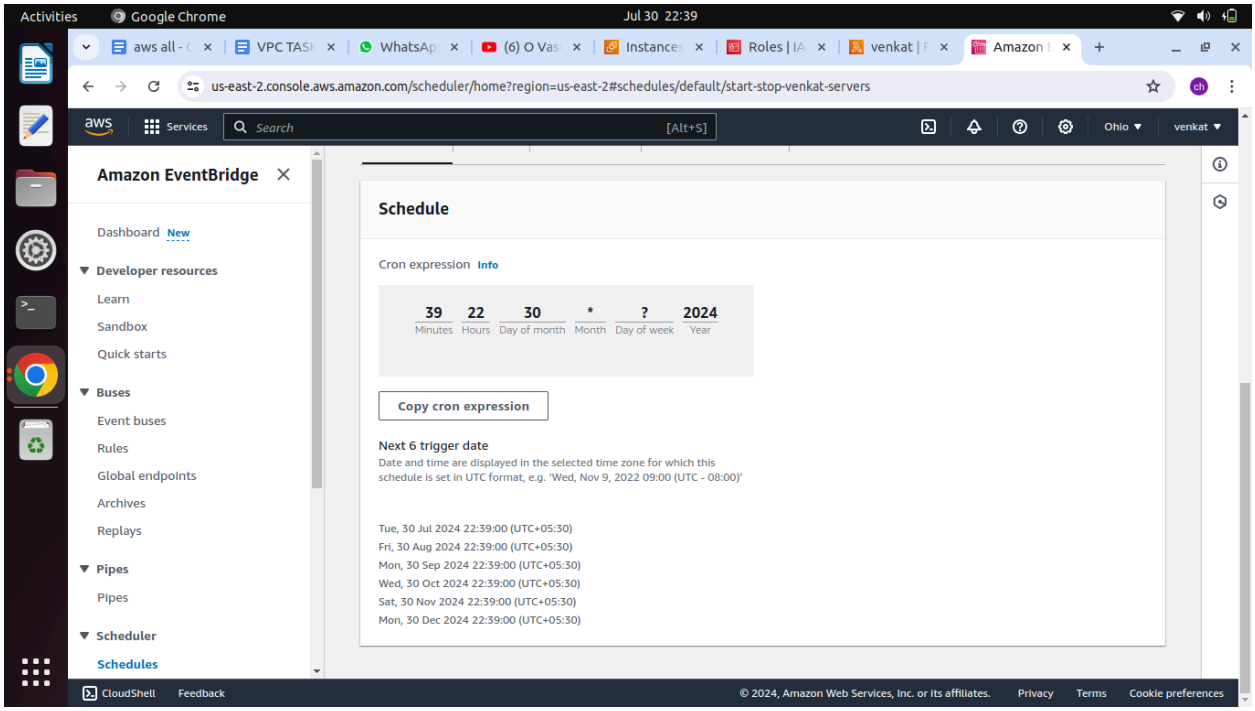


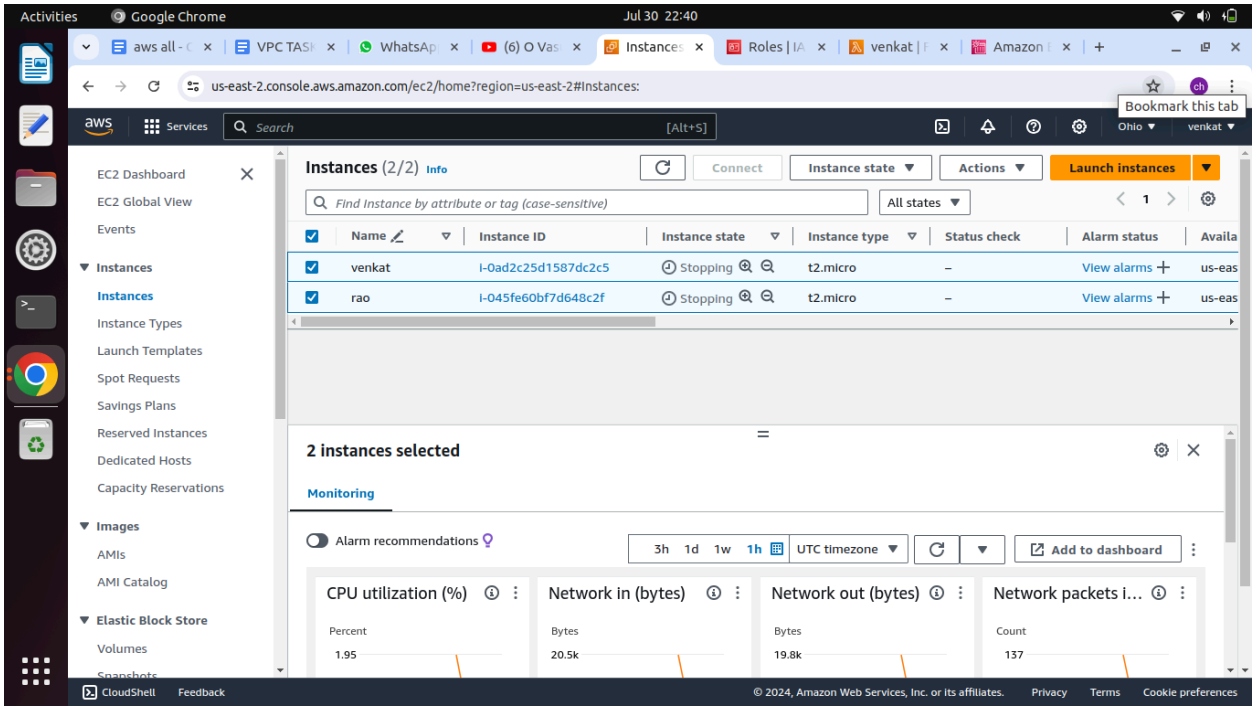


35) Lambda function= venkat
36) Click next
37) Next and click crete policy



38) Using event bridge server stop





39) Same crete another event start using same above steps

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