

Assignment No-3

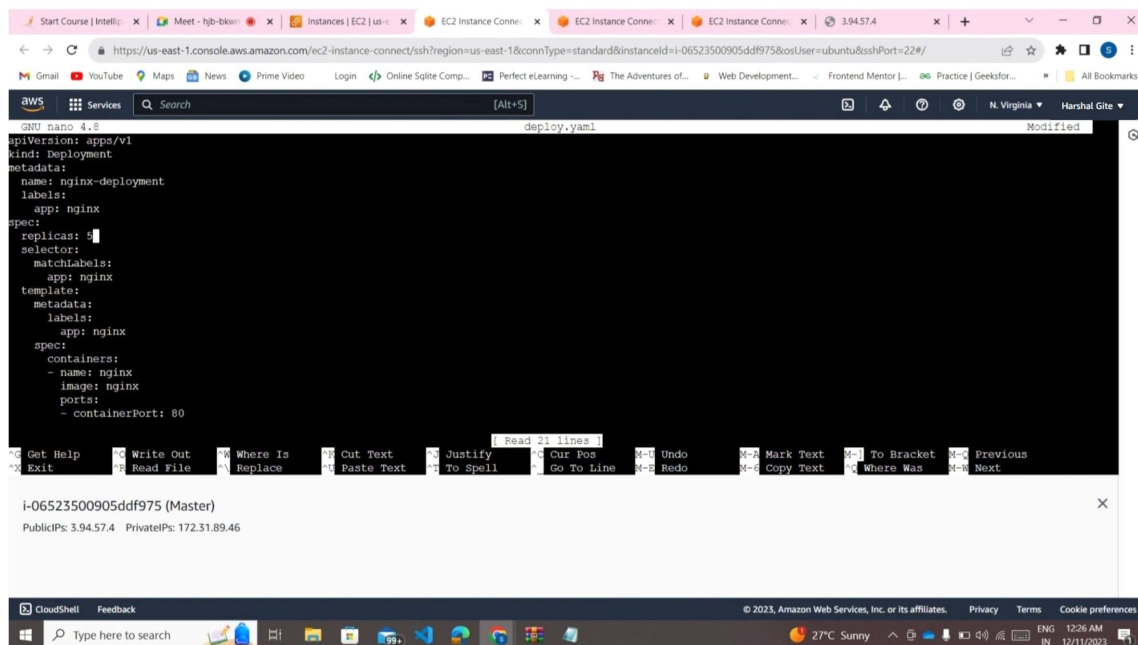
Email: harshalgite888@gmail.com

Tasks:

1. Use the previous deployment
2. Change the replicas to 5 for the deployment

Solution:

Steps:



The screenshot shows an AWS CloudShell terminal window. The terminal is running a nano editor editing a file named `deploy.yaml`. The content of the file is a Kubernetes Deployment configuration for nginx. The configuration includes metadata, labels, and a spec section. The spec section defines the number of replicas (currently 1) and the container configuration (nginx image, port 80). The terminal also shows the AWS CLI output for the deployment, including the instance ID and public/private IP addresses.

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-deployment
  labels:
    app: nginx
spec:
  replicas: 1
  selector:
    matchLabels:
      app: nginx
  template:
    metadata:
      labels:
        app: nginx
    spec:
      containers:
        - name: nginx
          image: nginx
          ports:
            - containerPort: 80
```

i-06523500905ddf975 (Master)
PublicIPs: 3.94.57.4 PrivateIPs: 172.31.89.46

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← → ↻ https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-06523500905ddf975&osUser=ubuntu&sshPort=22#/?

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Ubuntu Pro delivers the most comprehensive open source security and compliance features.

<https://ubuntu.com/aws/pro>

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.

See <https://ubuntu.com/esm> or run: `sudo pro status`

New release '22.04.3 LTS' available.

Run 'do-release-upgrade' to upgrade to it.

*** System restart required ***

Last login: Mon Dec 11 07:36:00 2023 from 18.206.107.28

ubuntu@ip-172-31-89-46:~\$ sudo nano service.yaml

ubuntu@ip-172-31-89-46:~\$ sudo nano deploy.yaml

ubuntu@ip-172-31-89-46:~\$ kubectl apply -f deploy.yaml

deployment.apps/nginx-deployment configured

ubuntu@ip-172-31-89-46:~\$ kubectl get deploy

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
nginx-deployment	0/5	5	0	30m

ubuntu@ip-172-31-89-46:~\$

i-06523500905ddf975 (Master)

PublicIPs: 3.94.57.4 PrivateIPs: 172.31.89.46

CloudShell Feedback

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