

Module 7: Kubernetes Assignment -3

Tasks To Be Performed:

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

SOLUTION:

```
aws
Services
[Alt+5]
N. California
VaishnavG

# Please edit the object below. Lines beginning with a '#' will be ignored,
# and an empty file will abort the edit. If an error occurs while saving this file will be
# reopened with the relevant failures.
#
apiVersion: apps/v1
kind: Deployment
metadata:
  annotations:
    deployment.kubernetes.io/revision: "1"
    kubectl.kubernetes.io/last-applied-configuration: |
      {"apiVersion": "apps/v1", "kind": "Deployment", "metadata": {"annotations": {}, "labels": {"app": "nginx"}, "name": "nginx-deployment", "namespace": "default"}, "spec": {"replicas": 3, "selector": {"matchLabels": {"app": "nginx"}}, "template": {"metadata": {"labels": {"app": "nginx"}}, "spec": {"containers": [{"image": "nginx:latest", "name": "nginx", "ports": [{"containerPort": 80}]}]}}}
  creationTimestamp: "2024-06-16T20:40:20Z"
  generation: 1
  labels:
    app: nginx
  name: nginx-deployment
  namespace: default
  resourceVersion: "1928"
  uid: aal238b9-5e6c-409b-990b-7cdc0b1a09c3
spec:
  progressDeadlineSeconds: 600
  replicas: 5
  revisionHistoryLimit: 10
  selector:
    matchLabels:
      app: nginx
  strategy:
    rollingUpdate:
      maxSurge: 25%
-- INSERT --
22,14
Top

i-0868263520b95d509 (K8S-M)
PublicIPs: 54.241.63.85 PrivateIPs: 172.31.4.255
```

```
spec:
  progressDeadlineSeconds: 600
  replicas: 5
  revisionHistoryLimit: 10
```

```
ubuntu@ip-172-31-4-255:~$ ls
a.sh  deploy.yaml  nginx-service.yaml
ubuntu@ip-172-31-4-255:~$ kubectl edit deployment nginx-deployment
deployment.apps/nginx-deployment edited
ubuntu@ip-172-31-4-255:~$
```

i-0868263520b95d509 (K8S-M)

PublicIPs: 54.241.63.85 PrivateIPs: 172.31.4.255

```
ubuntu@ip-172-31-4-255:~$ kubectl get deployment nginx-deployment
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
nginx-deployment    5/5     5             5           34m
ubuntu@ip-172-31-4-255:~$
```

i-0868263520b95d509 (K8S-M)

PublicIPs: 54.241.63.85 PrivateIPs: 172.31.4.255