

# Assignment No-4

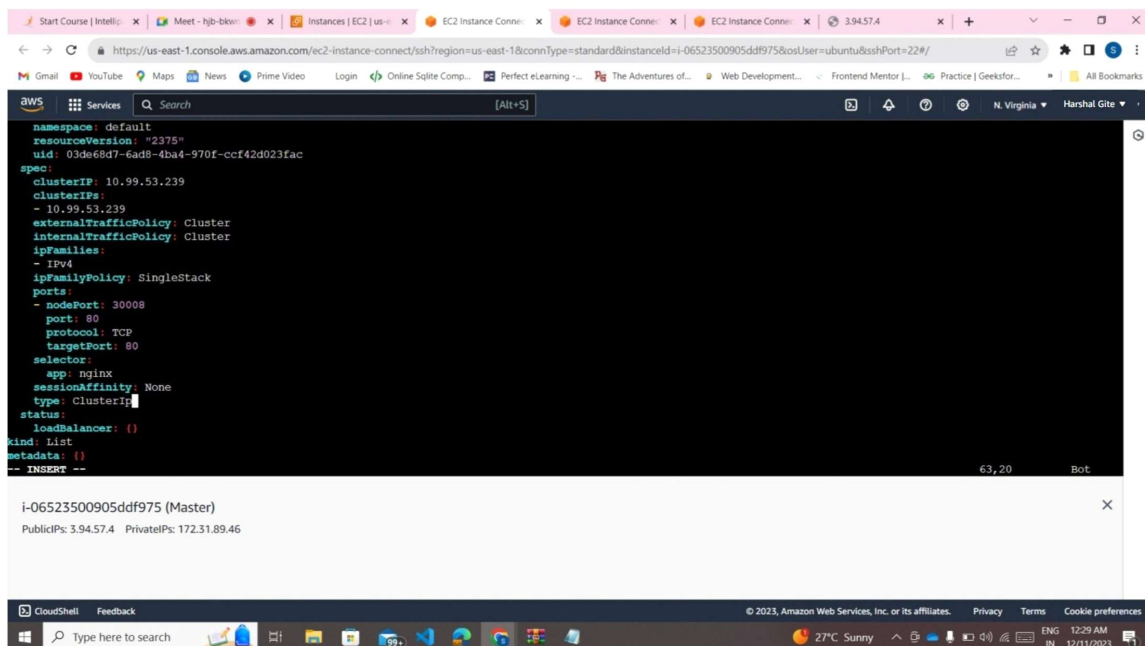
Email: harshalgite888@gmail.com

Tasks:

1. Use the previous deployment
2. Change the service type to ClusterIP

Solution:

Steps:



The screenshot shows the AWS CloudShell interface with a terminal window. The terminal displays a Kubernetes manifest for a ClusterIP service. The manifest includes the following details:

- namespace:** default
- resourceVersion:** "2378"
- uid:** 03de68d7-6ad8-4ba4-970f-ccf42d023fac
- spec:**
  - clusterIP:** 10.99.53.239
  - clusterIPs:**
    - 10.99.53.239
  - externalTrafficPolicy:** Cluster
  - internalTrafficPolicy:** Cluster
  - ipFamilies:**
    - IPv4
  - ipFamilyPolicy:** SingleStack
  - ports:**
    - **nodePort:** 30008
    - port:** 80
    - protocol:** TCP
    - targetPort:** 80
  - selector:**
    - app:** nginx
  - sessionAffinity:** None
  - type:** ClusterIP
- status:**
  - loadBalancer:** {}
- kind:** List
- metadata:** {}

At the bottom of the terminal, there is a command prompt with the text `-- INSERT --`. Below the terminal window, the instance details for `i-06523500905ddf975 (Master)` are visible, showing PublicIPs: 3.94.57.4 and PrivateIPs: 172.31.89.46.

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

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```
namespace: default
resourceVersion: "2375"
uid: 03de68d7-6ad8-4ba4-970f-ccf42d023fac

spec:
  clusterIP: 10.99.53.239
  clusterIPs:
  - 10.99.53.239
  externalTrafficPolicy: Cluster
  internalTrafficPolicy: Cluster
  ipFamilies:
  - IPv4
  ipFamilyPolicy: SingleStack
  ports:
  - nodePort: Null
    port: 80
    protocol: TCP
    targetPort: 80
  selector:
    app: nginx
    sessionAffinity: None
  type: ClusterIP
status:
  loadBalancer: {}

kind: List
metadata: {}
-- INSERT --
```

56,21 Bot

i-06523500905ddf975 (Master) X

PublicIPs: 3.94.57.4 PrivateIPs: 172.31.89.46

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

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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 08:26:23 2023 from 18.206.107.28

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

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	46m
my-nginx-deployment	NodePort	10.99.53.239	<none>	80:30008/TCP	22m

ubuntu@ip-172-31-89-46:~\$ kubectl edit svc service/kubernetes

service/kubernetes skipped

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

Command 'get' not found, but there are 18 similar ones.

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

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	48m
my-nginx-deployment	ClusterIP	10.99.53.239	<none>	80/TCP	24m

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

i-06523500905ddf975 (Master) X

PublicIPs: 3.94.57.4 PrivateIPs: 172.31.89.46

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