

Connect to instance | EC2 Manag... x EC2 Instance Connect x +

https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-03d5a71bf0df2...

aws Services Search [Alt+S] Mumbai The Eshwar Kanna

Last login: Thu Dec 15 08:36:59 2022 from ec2-13-233-177-3.ap-south-1.compute.amazonaws.com

```

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| | | | |
|_|_|_|_|_|
      Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
20 package(s) needed for security, out of 39 available
Run "sudo yum update" to apply all updates.
(ec2-user@ip-172-31-12-246 ~)$ minikube start
* minikube v1.28.0 on Amazon 2 (xen/amd64)
* Using the docker driver based on existing profile
* Starting control plane node minikube in cluster minikube
* Pulling base image ...
* Restarting existing docker container for "minikube" ...
* Preparing Kubernetes v1.25.3 on Docker 20.10.20 ...-
```

i-03d5a71bf0df22cbe (kubernetes)

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Last login: Thu Dec 15 08:36:59 2022 from ec2-13-233-177-3.ap-south-1.compute.amazonaws.com

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* Preparing Kubernetes v1.25.3 on Docker 20.10.20 .../
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```
[ec2-user@ip-172-31-12-246 ~]$ minikube cluster-info
Error: unknown command "cluster-info" for "minikube"
Run 'minikube --help' for usage.
[ec2-user@ip-172-31-12-246 ~]$ kubectl cluster-info
Kubernetes control plane is running at https://192.168.49.2:8443
CoreDNS is running at https://192.168.49.2:8443/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.
[ec2-user@ip-172-31-12-246 ~]$
```

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```
[ec2-user@ip-172-31-12-246 ~]$ minikube cluster-info
Error: unknown command "cluster-info" for "minikube"
Run 'minikube --help' for usage.
[ec2-user@ip-172-31-12-246 ~]$ kubectl cluster-info
Kubernetes control plane is running at https://192.168.49.2:8443
CoreDNS is running at https://192.168.49.2:8443/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME                                READY    STATUS              RESTARTS   AGE
httpdeploy-656cbb85fb-w6w6x        0/1      CrashLoopBackOff    60 (49s ago)  19h
myrset-c/fixh                      1/1      Running             1 (15h ago)  21h
myrset-grhms                       1/1      Running             1 (15h ago)  21h
[ec2-user@ip-172-31-12-246 ~]$
```

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```

```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$
```

i-03d5a71bf0df22cbe (kubernetes)
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Connect to instance | EC2 Manager | EC2 Instance Connect

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```

```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ kubectl create deploy myweb --image=httpd
deployment.apps/myweb created
[ec2-user@ip-172-31-12-246 ~]$
```

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ kubectl create deploy myweb --image=httpd
deployment.apps/myweb created
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
myweb-56cd5fc747-7bwqw	1/1	Running	0	5s

```
[ec2-user@ip-172-31-12-246 ~]$
```

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Connect to instance | EC2 Manag... x EC2 Instance Connect x +

https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-03d5a71bf0df2...

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
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[ec2-user@ip-172-31-12-246 ~]$ kubectl create deploy myweb --image=httpd
deployment.apps/myweb created
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
myweb-56cd5fc747-7bwqw	1/1	Running	0	5s

```
[ec2-user@ip-172-31-12-246 ~]$ kubectl delete delete pod myweb-56cd5fc747-7bwqw
error: the server doesn't have a resource type "delete"
[ec2-user@ip-172-31-12-246 ~]$ kubectl delete pod myweb-56cd5fc747-7bwqw
pod "myweb-56cd5fc747-7bwqw" deleted
[ec2-user@ip-172-31-12-246 ~]$
```

i-03d5a71bf0df22cbe (kubernetes)

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ kubectl create deploy myweb --image=httpd
deployment.apps/myweb created
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
myweb-56cd5fc747-7bwqw 1/1     Running   0          5s
[ec2-user@ip-172-31-12-246 ~]$ kubectl delete delete pod myweb-56cd5fc747-7bwqw
error: the server doesn't have a resource type "delete"
[ec2-user@ip-172-31-12-246 ~]$ kubectl delete pod myweb-56cd5fc747-7bwqw
pod "myweb-56cd5fc747-7bwqw" deleted
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
myweb-56cd5fc747-qb6z8 1/1     Running   0          6s
[ec2-user@ip-172-31-12-246 ~]$
```

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Connect to instance | EC2 Manag... x EC2 Instance Connect x +

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ kubectl create deploy myweb --image=httpd
deployment.apps/myweb created
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
myweb-56cd5fc747-7bwqw 1/1     Running   0          5s
[ec2-user@ip-172-31-12-246 ~]$ kubectl delete delete pod myweb-56cd5fc747-7bwqw
error: the server doesn't have a resource type "delete"
[ec2-user@ip-172-31-12-246 ~]$ kubectl delete pod myweb-56cd5fc747-7bwqw
pod "myweb-56cd5fc747-7bwqw" deleted
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME                READY   STATUS    RESTARTS   AGE
myweb-56cd5fc747-qb6z8 1/1     Running   0          6s
[ec2-user@ip-172-31-12-246 ~]$ kubectl get deploy
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
myweb                1/1       1             1           3m4s
[ec2-user@ip-172-31-12-246 ~]$
```

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Connect to instance | EC2 Manag... x EC2 Instance Connect x +

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aws Services Search [Alt+S] Mumbai The Eshwar Kanna

```
[ec2-user@ip-172-31-12-246 ~]$ kubectl scale deploy myweb --replicas=3
deployment.apps/myweb scaled
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
myweb-56cd5fc747-gb6z8	1/1	Running	0	3m14s
myweb-56cd5fc747-r4ttp	1/1	Running	0	5s
myweb-56cd5fc747-xgr8g	1/1	Running	0	5s

[ec2-user@ip-172-31-12-246 ~]\$

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Connect to instance | EC2 Manag... x EC2 Instance Connect x +

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl scale deploy myweb --replicas=3
deployment.apps/myweb scaled
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
myweb-56cd5fc747-gb6z8	1/1	Running	0	3m14s
myweb-56cd5fc747-r4ttp	1/1	Running	0	5s
myweb-56cd5fc747-xgr8g	1/1	Running	0	5s

```
[ec2-user@ip-172-31-12-246 ~]$ kubectl scale deploy myweb --replicas=6
deployment.apps/myweb scaled
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
myweb-56cd5fc747-cdhtn	0/1	ContainerCreating	0	2s
myweb-56cd5fc747-f27t9	0/1	ContainerCreating	0	2s
myweb-56cd5fc747-fnpjq	0/1	ContainerCreating	0	2s
myweb-56cd5fc747-gb6z8	1/1	Running	0	3m43s
myweb-56cd5fc747-r4ttp	1/1	Running	0	34s
myweb-56cd5fc747-xgr8g	1/1	Running	0	34s

[ec2-user@ip-172-31-12-246 ~]\$

i-03d5a71bf0df22cbe (kubernetes)

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Connect to instance | EC2 Man... x EC2 Instance Connect x +

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```
myweb-56cd5fc747-gb6z8 1/1 Running 0 3m14s
myweb-56cd5fc747-r4ttp 1/1 Running 0 5s
myweb-56cd5fc747-xgr8g 1/1 Running 0 5s
[ec2-user@ip-172-31-12-246 ~]$ kubectl scale deploy myweb --replicas=6
deployment.apps/myweb scaled
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME READY STATUS RESTARTS AGE
myweb-56cd5fc747-cdhtn 0/1 ContainerCreating 0 2s
myweb-56cd5fc747-f27t9 0/1 ContainerCreating 0 2s
myweb-56cd5fc747-fnpjq 0/1 ContainerCreating 0 2s
myweb-56cd5fc747-gb6z8 1/1 Running 0 3m43s
myweb-56cd5fc747-r4ttp 1/1 Running 0 34s
myweb-56cd5fc747-xgr8g 1/1 Running 0 34s
[ec2-user@ip-172-31-12-246 ~]$ kubectl scale deploy myweb --replicas=2
deployment.apps/myweb scaled
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME READY STATUS RESTARTS AGE
myweb-56cd5fc747-fnpjq 1/1 Terminating 0 15s
myweb-56cd5fc747-gb6z8 1/1 Running 0 3m56s
myweb-56cd5fc747-xgr8g 1/1 Running 0 47s
[ec2-user@ip-172-31-12-246 ~]$
```

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Connect to instance | EC2 Man... x EC2 Instance Connect x +

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```
[ec2-user@ip-172-31-12-246 ~]$ minikube ip
192.168.49.2
[ec2-user@ip-172-31-12-246 ~]$
```

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Connect to instance | EC2 Manager | EC2 Instance Connect

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```
[ec2-user@ip-172-31-12-246 ~]$ minikube ip
192.168.49.2
[ec2-user@ip-172-31-12-246 ~]$ kubectl expose deploy myweb --type=NodePort --port=80
service/myweb exposed
[ec2-user@ip-172-31-12-246 ~]$ kubectl get service
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
httpdeploy	NodePort	10.109.83.166	<none>	80:31526/TCP	20h
kubernetes	ClusterIP	10.96.0.1	<none>	443/TCP	44h
myweb	NodePort	10.108.172.200	<none>	80:31684/TCP	44s

[ec2-user@ip-172-31-12-246 ~]\$

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192.168.49.2

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