



Instances | EC2 Management Co x EC2 Instance Connect x EC2 Instance Connect x 192.168.49.2 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

```

No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ kubectl create -f first_pod.yml
pod/mypod2 created
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME      READY   STATUS    RESTARTS   AGE
mypod2    0/1     ContainerCreating   0          3s
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME      READY   STATUS    RESTARTS   AGE
mypod2    1/1     Running   0          7s
[ec2-user@ip-172-31-12-246 ~]$ kubectl describe pods mypod2
Name:      mypod2
Namespace: default
Priority:   0
Service Account: default
Node:      minikube/192.168.49.2
Start Time: Thu, 15 Dec 2022 10:49:49 +0000
Labels:    <none>
Annotations: <none>
Status:    Running
IP:        172.17.0.3
IPs:

```

i-03d5a71bf0df22cbe (kubernetes)

PublicIPs: 65.0.173.121 PrivateIPs: 172.31.12.246

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```

PodScheduled: True
Volumes:
  kube-api-access-v7pnc:
    Type: Projected (a volume that contains injected data from multiple sources)
    TokenExpirationSeconds: 3607
    ConfigMapName: kube-root-ca.crt
    ConfigMapOptional: <nil>
    DownwardAPI: true
QoS Class: BestEffort
Node-Selectors: <none>
Tolerations:
  node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
  node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
  Type     Reason      Age    From          Message
  ----     ------      ---    -
  Normal   Scheduled   21s    default-scheduler   Successfully assigned default/mypod2 to minikube
  Normal   Pulling     21s    kubelet          Pulling image "httpd"
  Normal   Pulled      19s    kubelet          Successfully pulled image "httpd" in 1.790706421s
  Normal   Created     19s    kubelet          Created container mycl
  Normal   Started     19s    kubelet          Started container mycl
[ec2-user@ip-172-31-12-246 ~]$

```

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl delete pods --all
pod "mypod2" deleted
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$
```

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Instances | EC2 Mani x EC2 Instance Conn x EC2 Instance Conn x 192.168.49.2 x which industry is us x Companies using Ki x +

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

```
[ec2-user@ip-172-31-12-246 ~]$ kubectl delete pods --all
pod "mypod2" deleted
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
[ec2-user@ip-172-31-12-246 ~]$
```

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

Namespace: default  
Priority: 0  
Service Account: default  
Node: minikube/192.168.49.2  
Start Time: Thu, 15 Dec 2022 11:13:56 +0000  
Labels: <none>  
Annotations: <none>  
Status: Running  
IP: 172.17.0.3  
IPs: IP: 172.17.0.3  
Containers: mycl:  
Container ID: docker://d1377c034927237e95f87862b88b0457301bf84e94211244106d3c081e2eb578  
Image: httpd  
Image ID: docker-pullable://httpd@sha256:550274cfad1e6ab57cd5009b22a2d97946bdae50989db350a222dae93babc723  
Port: <none>  
Host Port: <none>  
State: Running  
Started: Thu, 15 Dec 2022 11:13:58 +0000  
Ready: True

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

apiVersion: v1  
kind: Pod  
metadata:  
name: "mypod3"  
labels:  
dc: US  
team: team3  
spec:  
containers:  
- name: "myc3"  
image: "httpd"

"pod\_label.yml" [readonly] 12L, 148B 12,1 All

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Instances | EC2 Main | EC2 Instance Connect | EC2 Instance Connect | 192.168.49.2 | which industry is us | Companies using K | +

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl create -f pod_label.yml
[ec2-user@ip-172-31-12-246 ~]$ vim pod_label.yml
[ec2-user@ip-172-31-12-246 ~]$ kubectl create -f pod_label.yml
pod/mypod3 created
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods
NAME      READY   STATUS    RESTARTS   AGE
mypod3    1/1     Running   0           4s
[ec2-user@ip-172-31-12-246 ~]$
```

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```
mypod3    1/1     Running   0           4s
[ec2-user@ip-172-31-12-246 ~]$ kubectl describe pods mypod3
Name:      mypod3
Namespace: default
Priority:   0
Service Account: default
Node:      minikube/192.168.49.2
Start Time: Thu, 15 Dec 2022 11:15:54 +0000
Labels:    dc=US
Annotations: team=team3
Status:     Running
IP:         172.17.0.3
IPs:
  IP: 172.17.0.3
Containers:
  myc3:
    Container ID:  docker://aed9f7910d76ebbbdf942bd5ef31cb065489ff8135b9b8e814ac3bef03b5b0fc
    Image:         httpd
    Image ID:      docker-pullable://httpd@sha256:550274cfad1e6ab57cd5009b22a2d97946bdae50989db350a222dae93babc723
    Port:          <none>
```

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods --show-labels
NAME      READY   STATUS    RESTARTS   AGE   LABELS
mypod3    1/1     Running   0           54s   dc=US,team=team3
[ec2-user@ip-172-31-12-246 ~]$ vim pod_label.yml
[ec2-user@ip-172-31-12-246 ~]$ sudo vim pod_label.yml
[ec2-user@ip-172-31-12-246 ~]$ kubectl create -f pod_label.yml
Error from server (AlreadyExists): error when creating "pod_label.yml": pods "mypod3" already exists
[ec2-user@ip-172-31-12-246 ~]$ sudo vim pod_label.yml
[ec2-user@ip-172-31-12-246 ~]$ kubectl create -f pod_label.yml
pod/mypod4 created
[ec2-user@ip-172-31-12-246 ~]$ sudo vim pod_label.yml
[ec2-user@ip-172-31-12-246 ~]$ kubectl create -f pod_label.yml
pod/mypod5 created
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods --show-labels
NAME      READY   STATUS    RESTARTS   AGE   LABELS
mypod3    1/1     Running   0          2m53s   dc=US,team=team3
mypod4    1/1     Running   0           28s   dc=IN,team=team2
mypod5    1/1     Running   0           8s    dc=IN,team=team3
[ec2-user@ip-172-31-12-246 ~]$
```

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods --selector "dc in (IN)" --show-labels
NAME      READY   STATUS    RESTARTS   AGE   LABELS
mypod4    1/1     Running   0          4m24s   dc=IN,team=team2
mypod5    1/1     Running   0          4m4s    dc=IN,team=team3
[ec2-user@ip-172-31-12-246 ~]$
```

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods --selector "dc in (IN)" --show-labels
```

NAME	READY	STATUS	RESTARTS	AGE	LABELS
mypod4	1/1	Running	0	4m24s	dc=IN, team=team2
mypod5	1/1	Running	0	4m4s	dc=IN, team=team3

```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods --selector "dc in (IN,US)" --show-labels
```

NAME	READY	STATUS	RESTARTS	AGE	LABELS
mypod3	1/1	Running	0	7m14s	dc=US, team=team3
mypod4	1/1	Running	0	4m49s	dc=IN, team=team2
mypod5	1/1	Running	0	4m29s	dc=IN, team=team3

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

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```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods --selector "dc in (IN)" --show-labels
```

NAME	READY	STATUS	RESTARTS	AGE	LABELS
mypod4	1/1	Running	0	4m24s	dc=IN, team=team2
mypod5	1/1	Running	0	4m4s	dc=IN, team=team3

```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods --selector "dc in (IN,US)" --show-labels
```

NAME	READY	STATUS	RESTARTS	AGE	LABELS
mypod3	1/1	Running	0	7m14s	dc=US, team=team3
mypod4	1/1	Running	0	4m49s	dc=IN, team=team2
mypod5	1/1	Running	0	4m29s	dc=IN, team=team3

```
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pods --selector "dc notin (US)" --show-labels
```

NAME	READY	STATUS	RESTARTS	AGE	LABELS
mypod4	1/1	Running	0	5m19s	dc=IN, team=team2
mypod5	1/1	Running	0	4m59s	dc=IN, team=team3

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

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