# Pods Hands-on

## Creating a pod and describing

**Step 1:** Write a yaml file for the pod that you are creating

apiVersion: v1

kind: Pod

metadata:

name: intellipaat

spec:

containers:

- name: sise

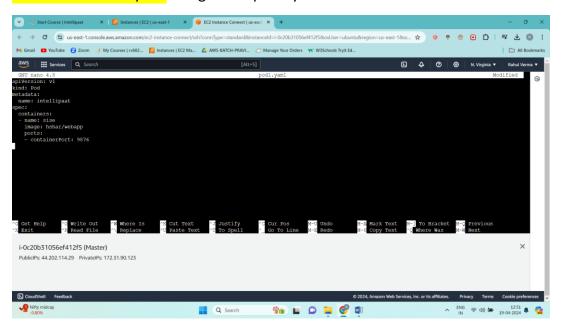
image: hshar/webapp

ports:

- containerPort: 9876

Go to command line and create a yaml file and paste the above created specs.

nano <file name>.yaml e.g- nano pod1.yaml



## **Step 2:** next thing to do is create the pod yaml file.

## kubectl create -f <file name>

```
ubuntu@ip-172-31-90-123:~$ kubectl create -f pod1.yaml
pod/intellipaat created
ubuntu@ip-172-31-90-123:~$
```

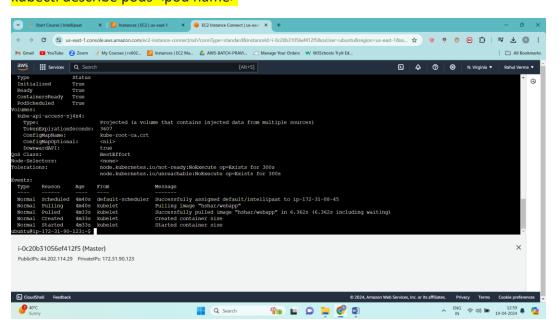
## **Step 3:** Retrive the pods.

#### kubetctl get pods

ubuntu@ip-172-31-90-123:~\$ kubectl create -f pod1.yaml pod/intellipaat created				
ubuntu@ip-172-31-90-123:~\$ kubectl get pods				
ubuntu@ip-1/2-31-90-123:~\$ kubecti	get pous			
NAME	READY	STATUS	RESTARTS	AGE
intellipaat	1/1	Running	0	2m26s
nginx-deployment-86dcfdf4c6-9xnc2	1/1	Running	1 (20m ago)	43h
nginx-deployment-86dcfdf4c6-g29f9	1/1	Running	1 (20m ago)	43h
nginx-deployment-86dcfdf4c6-r88f6	1/1	Running	0	14m
nginx-deployment-86dcfdf4c6-vqldx	1/1	Terminating	0	43h
ubuntu@ip-172-31-90-123:~\$				

## **Step 4:** Now we need to get the descriptions

### kubectl describe pods <pod name>



#### Few additional commands-

If you want to label the pod-

kubectl label pods <pod name> label name

```
ubuntu@ip-172-31-90-123:~$ kubectl label pods intellipaat dog=cat pod/intellipaat labeled ubuntu@ip-172-31-90-123:~$
```

If you want to check labels-

kubectl get pods -show-labels <pod name>

```
ubuntu@ip-172-31-90-123:~$ kubectl get pods --show-labels intellipaat
NAME READY STATUS RESTARTS AGE LABELS
intellipaat 1/1 Running 0 26m dog=cat
ubuntu@ip-172-31-90-123:~$
```

#### To delete pods

#### kubectl delete pods <pod name>

```
ubuntu@ip-172-31-90-123:~$ kubectl
                                   get pods
NAME
                                    READY
                                             STATUS
                                                           RESTARTS
                                                                         AGE
intellipaat
                                    1/1
                                                                         16m
                                            Running
                                                           0
nginx-deployment-86dcfdf4c6-9xnc2
                                             Running
                                                                         43h
                                    1/1
                                                           1 (34m ago)
                                                           1 (34m ago)
                                                                         43h
nginx-deployment-86dcfdf4c6-g29f9
                                    1/1
                                            Running
                                    1/1
nginx-deployment-86dcfdf4c6-r88f6
                                            Running
                                                           0
                                                                         28m
nginx-deployment-86dcfdf4c6-vqldx
                                    1/1
                                            Terminating
                                                           0
                                                                         43h
ubuntu@ip-172-31-90-123:~$ kubectl delete pods nginx-deployment-86dcfdf4c6-r88f6
pod "nginx-deployment-86dcfdf4c6-r88f6" deleted
ubuntu@ip-172-31-90-123:~$
```