

How to create PODS

TASK 1

- Vi Pod1.yml

kind: Pod

apiVersion: v1

metadata:

```
name: testpod
```

spec:

containers:

- name: c00

image: ubuntu

```
command: ["/bin/bash", "-c", "while true; do echo Hello-gasim; sleep 5 ; done"]
```

restartPolicy: Never # Defaults to Always

- `kubectrl apply -f pod1.yml` // to create and build yml file
- `kubectrl get pods :` //to check running pods
- `kubectrl get pods -o wides` // to check where is your pods running in which cluster worker nodes
- `kubectrl get pod testpod` // to check more deep details of pod and container”testpod is container name”
- `kubectrl logs -f testpod` // now check what’s running in container used this command
- `kubectrl logs -f testpod -c c00` : to check specific container running details
- `kubectrl delete pod testpod` :to delete pods

[illegible]

Creating Annotations On Yml File , Annotation Is The Text Message Which Was Right For The Other Developer To Understand The Message

restartPolicy: Never

.....

MULTI CONTAINER POD ENVIRONMENT

TASK 3

kind: Pod

apiVersion: v1

metadata:

name: testpod3

spec:

containers:

- name: c00

image: ubuntu

command: ["/bin/bash", "-c", "while true; do echo hello qasim; sleep 5 ; done"]

- name: c01

image: ubuntu

command: ["/bin/bash", "-c", "while true; do echo Hello-sultani; sleep 5 ; done"]

POD ENVIRONMENT VARIABLES

TASK 4

kind: Pod

apiVersion: v1

metadata:

name: environments

spec:

containers:

- name: c00

image: ubuntu

```
command: ["/bin/bash", "-c", "while true; do echo Hello-Qasim Sultani; sleep 5 ; done"]
```

```
env:          # List of environment variables to be used inside the pod
```

- name: MYNAME

value: M Qasim Sultani

- `kubectrl exec environments -it -- bin/bash` : to enter in pod

echo \$MYNAME : to check name which we put in our env variable in file

.....

POD WITH PORTS

TASK 5

kind: Pod

apiVersion: v1

metadata:

name: testpod4

spec:

containers:

- name: c00

image: httpd

ports:

- containerPort: 80

//Now check is the port working fine

kubectrl get pods -o wide

curl pod ip:portyougive : curl 192.32.243.4:80

//it's work message shown

*****END*****