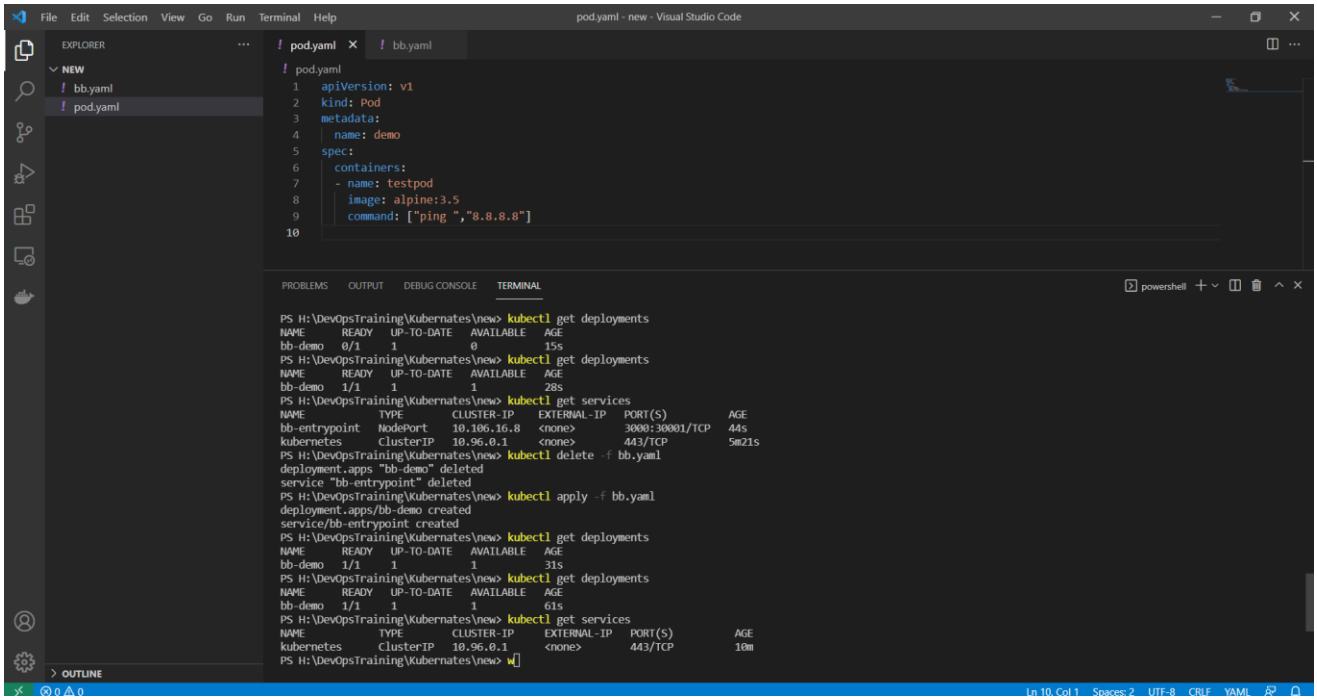
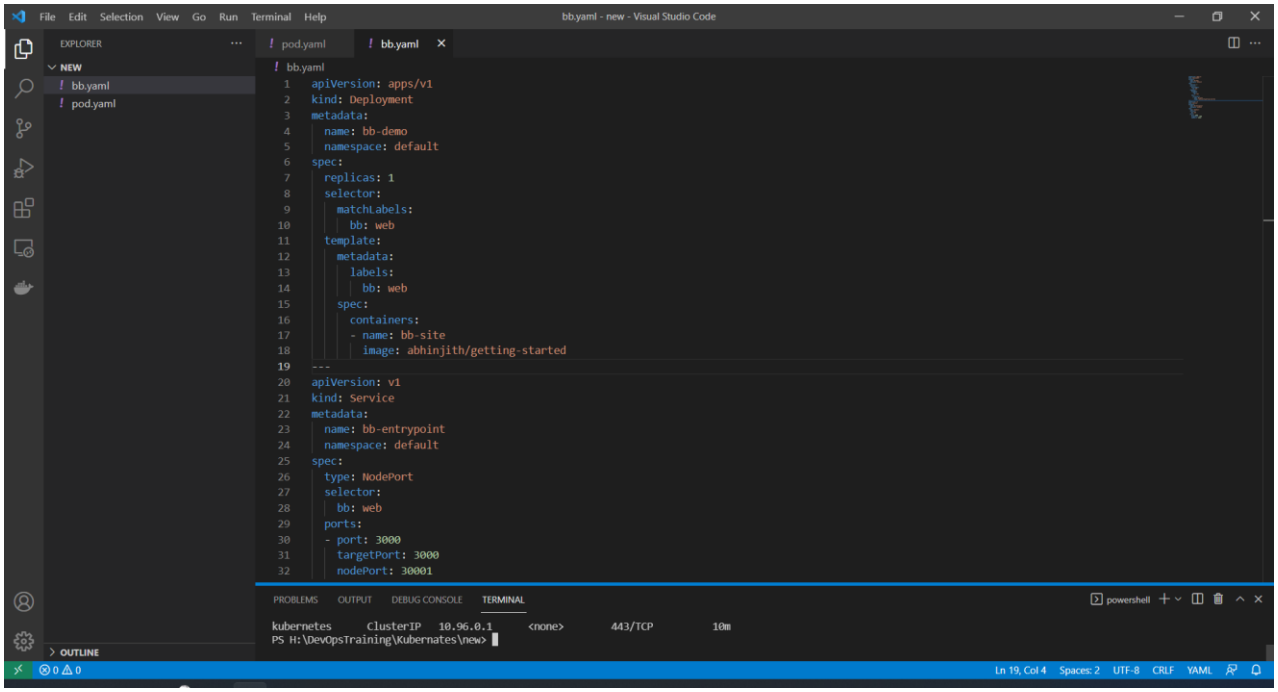
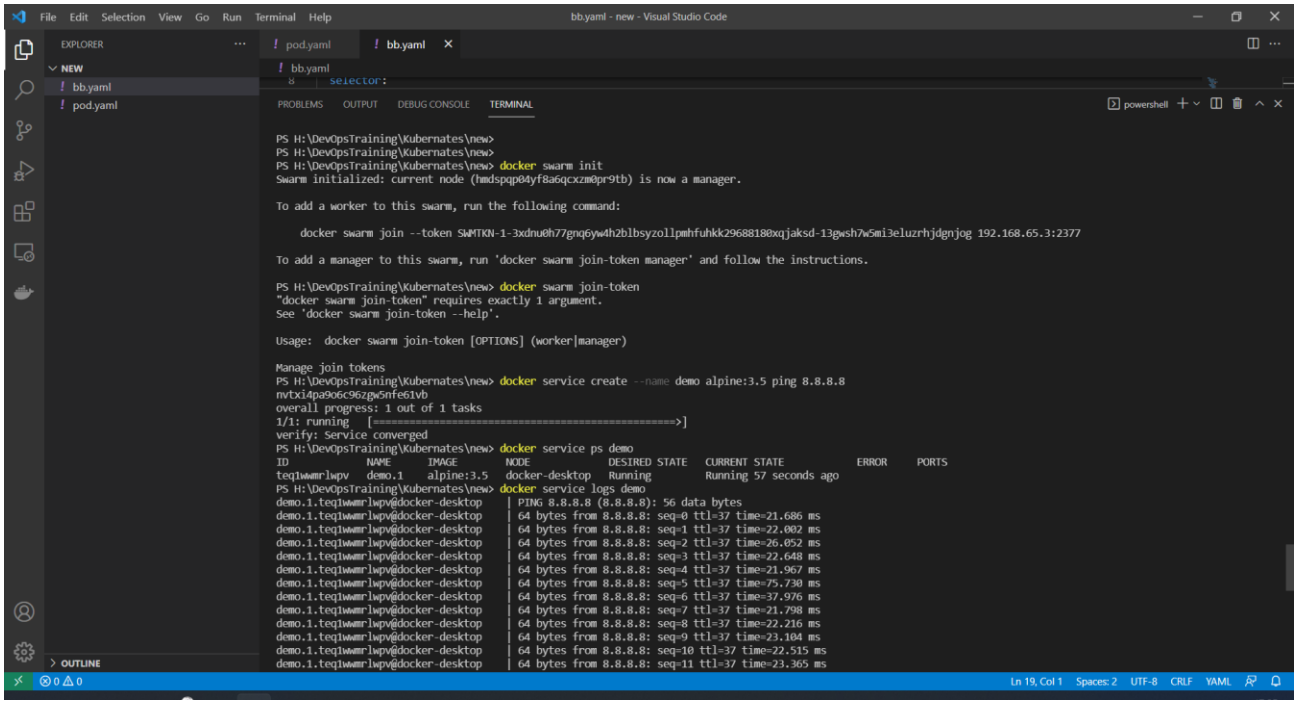
KUBERNETES

Sample Kubernetes Commands

1. kubectl apply -f pod.yaml
2. kubectl get pods
3. kubectl logs demo
4. kubectl delete -f pod.yaml
5. docker swarm init
6. docker swarm join-token
7. docker swarm leave
8. docker service create --name demo alpine:3.5 ping 8.8.8.8
9. docker service ps demo
10. docker service logs demo
11. kubectl apply -f bb.yaml
12. kubectl get deployments
13. kubectl get services
14. kubectl delete -f bb.yaml




File Edit Selection View Go Run Terminal Help
bb.yaml - new - Visual Studio Code
EXPLORER
NEW
bb.yaml
pod.yaml
pod.yaml
bb.yaml
bb.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
name: bb-demo
namespace: default
spec:
replicas: 1
selector:
matchLabels:
bb: web
template:
metadata:
labels:
bb: web
spec:
containers:
- name: bb-site
image: abhinjith/getting-started
---
apiVersion: v1
kind: Service
metadata:
name: bb-entrypoint
namespace: default
spec:
type: NodePort
selector:
bb: web
ports:
- port: 3000
targetPort: 3000
nodePort: 30001
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
powershell
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 10m
PS H:\DevOpsTraining\Kubernates\new>
OUTLINE
Ln 19, Col 4 Spaces: 2 UTF-8 CRLF YAML


File Edit Selection View Go Run Terminal Help
bb.yaml - new - Visual Studio Code
EXPLORER
NEW
bb.yaml
pod.yaml
pod.yaml
bb.yaml
selector:
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
powershell
PS H:\DevOpsTraining\Kubernates\new>
PS H:\DevOpsTraining\Kubernates\new>
PS H:\DevOpsTraining\Kubernates\new> docker swarm init
Swarm initialized: current node (hmdspqp04yf8a6qcxzm0pr9tb) is now a manager.
To add a worker to this swarm, run the following command:
docker swarm join --token SWMTKN-1-3xdnu0h77gnq6yw4h2blbsyzollpmhfuhkk2968818oxqjaksd-13gwsh7w5mi3eluzrhjdgnjog 192.168.65.3:2377
To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.
PS H:\DevOpsTraining\Kubernates\new> docker swarm join-token
"docker swarm join-token" requires exactly 1 argument.
See 'docker swarm join-token --help'.
Usage: docker swarm join-token [OPTIONS] (worker|manager)
Manage join tokens
PS H:\DevOpsTraining\Kubernates\new> docker service create --name demo alpine:3.5 ping 8.8.8.8
nvtxi4pa9o6c96zgw5nfe61vb
overall progress: 1 out of 1 tasks
1/1: running [==========>]
verify: Service converged
PS H:\DevOpsTraining\Kubernates\new> docker service ps demo
ID NAME IMAGE NODE DESIRED STATE CURRENT STATE ERROR PORTS
teq1wwmrlwpv demo.1 alpine:3.5 docker-desktop Running Running 57 seconds ago
PS H:\DevOpsTraining\Kubernates\new> docker service logs demo
demo.1.teq1wwmrlwpv@docker-desktop | PING 8.8.8.8 (8.8.8.8): 56 data bytes
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=0 ttl=37 time=21.686 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=1 ttl=37 time=22.002 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=2 ttl=37 time=26.052 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=3 ttl=37 time=22.648 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=4 ttl=37 time=21.967 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=5 ttl=37 time=75.730 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=6 ttl=37 time=37.976 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=7 ttl=37 time=21.798 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=8 ttl=37 time=22.216 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=9 ttl=37 time=23.104 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=10 ttl=37 time=22.515 ms
demo.1.teq1wwmrlwpv@docker-desktop | 64 bytes from 8.8.8.8: seq=11 ttl=37 time=23.365 ms
OUTLINE
Ln 19, Col 1 Spaces: 2 UTF-8 CRLF YAML