**Creating Multi Container Pods**

file: multi\_container\_pod.yml

1. apiVersion: v1
2. kind: Pod
3. metadata:
4. name: web
5. labels:
6. tier: front
7. app: nginx
8. role: ui
9. spec:
10. containers:
11. - name: nginx
12. image: nginx:stable-alpine
13. ports:
14. - containerPort: 80
15. protocol: TCP
16. volumeMounts:
17. - name: data
18. mountPath: /var/www/html-sample-app
20. - name: sync
21. image: schoolofdevops/sync:v2
22. volumeMounts:
23. - name: data
24. mountPath: /var/www/app
26. volumes:
27. - name: data
28. emptyDir: {}

To create this pod

1. kubectl apply -f multi\_container\_pod.yml

Check Status

1. root@kube-01:~# kubectl get pods
2. NAME READY STATUS RESTARTS AGE
3. nginx 0/2 ContainerCreating 0 7s
4. vote 1/1 Running 0 3m

Checking logs, logging in

1. kubectl logs web -c sync
2. kubectl logs web -c nginx
4. kubectl exec -it web sh -c nginx
5. kubectl exec -it web sh -c sync

Observe whats common and whats isolated in two containers running inside the same pod using the following commands,

shared

1. hostname
2. ifconfig

isolated

1. cat /etc/issue
2. ps aux
3. df -h