Kubernetes In 30 Days challenge:-

Different levels of loggingin - Pods (Troubleshooting)

when something is wrong with Application deployed in Pod then we can follow the below procedure to troubleshoot and/or find where the issue is...

- ① check the POD status and events of POD:

 # Kubectl get Pod

 # kubectl describe pod < pod -name>
- ② Examine the Logs:

 # kubecti logs <pod-name>

 # kubecti logs <pod-name> -c < contained_name>
- (Multiple containers)

 3 Node level troubleshooting:

#kubectl get nodes check the Node if any issues at Node Oslevel.

A Resource constraints:

check if Pod is hitting resource limite (CPUS, Menory). Use below end:

#kubectl describe pod <pod-name>

(5) Network issues:

-> verify that Pod's networking is the and check service, endpoints and Network thewall -> l'enform pod d'agnostics after using below cma:

Kubectl exec -it <pod-name> --/bih/sh

6 check Kubernetes Events:-

Use Kubectl get events to check cluster wide events too any issues affecting pods

P Pod Health Probes :-

If Health Probes are in place, check what is the status of all probes.

& Rolling back Deployment:

It Issue occured after deployment then perform Roll back operation using #kubectl rollback undo deployment

Ldeploy - name>

9 Persistent volumes:-

If fod uses PV, ensure that they are properly mounted and accessible

- (10) RBAC policies:
 - verify RBAC policies that are configured correctly to sa associated with pod
- (11) check too ongoing maintainanc:-

verify that if any on-going tetivities at Node level.

This can be a generalised step by step process to troubleshoot a pod. But In Realthne you can get the details of Errors straight away so, you can directly workon particular error rather sticking to single procedure.

This is All about troubleshooting a pod issue in kubernetes.