# Day - 16

Officient Levels of Loggingen - Pods (Thoubleshooting)

When Something is wrong with application deployed in pod then we can follow the below procedure to troubleshoot and for find where the issue is....

1) Check the pod Status and events of poD:

# Kubectl get pod

# kubect descrebe pod (pod-name)

D) Examine the Logs:

# kubectl Logs < pod\_name>

# kubectl logs (pod\_name) - c (containel\_name)

(multiple containels)

3> Node Level troubleshooting:

# qubect1 get nodes

check the node of any issues at node os level.

47 Resource constraints:

check of pod is hitting resource limits (cpu's, Memory) use below command.

# hubect describe pod <pod\_name>

- 5> Network Pssucs:
  - Verify that pod's networking is fine and check sewice, endpoints and network firewall.
  - Penform pod dragnostros after using below command.

    # kubectl exec -it (pod\_name) -- 1691/sh
- 6) Check kubernetes Events:

  Use kubectl get events to check cluster wide events
  for any issues affecting pods.
- 7) pod Health Probes:

  If health probes are in place, check what is the Status of all probes.
- 8> Rollingback Deployment:

If Issue occured after deployment then perform rollback operation using

# fubect 1 milback undo deployment < deploy-name>

9> Persistent Volumes:

It pod uses perisistent volume, ensure that they are properly mounted and accessible.

## 10> RBAC policies:

Verify RBAC policies that are configured correctly to Service account associated with pod.

## 11) Check for ongoing Maintainance:

Verify that if any on-going Activities at node Level.

This can be a generalised Step by Step process to troubleshoot a pod, But in realtime you can get the details of errors Straight away so, you can directly worken particular error rather Sticking to Single procedure.

This is All about thoubleshooting a pod issue in Kubernetes.