kubernetes

Kubernetes: Node Maintenance

- Kubernetes **Node Management** is a crucial part of a Kubernetes cluster.
- Kubernetes have **Node Controller** to manage the Nodes:
- Assign IP Space to Node, when a new Node is Launched
- Keeps the **Node List** Upto Date.
- Monitor the **Health of Node**.
- Delete the Unhealthy Nodes.
- Pods running on Unhealthy Nodes get rescheduled.

- When Add New Node, **Kube-let** will **self-register** it self on new Node.
- User can add new Nodes with any Cluster API Change.
- New Node will automatically creates with metadata, Labels.
- Steps to decommission Node.
- Drain Node without Shutdown, it will take down out of Cluster.

- Get Node List:
  kubectl get nodes

- Get Pods Running on Nodes:
  kubectl get pods -o wide

- Drain Node Safely:
  kubectl drain [NODE_HOSTNAME] --ignore-daemonsets

- Enable Node Again:
  kubectl uncordon [NODE_HOSTNAME]

Will see you in Next Lecture…

See you in next lecture …