



kubernetes

Kubernetes: Node Maintenance

KUBERNETES : Administration

- 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.

KUBERNETES : Administration

- 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.

KUBERNETES : Administration

- 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...

Thank you!

A close-up photograph of a hand holding a black marker, writing the words "Thank you!" in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the fingers gripping the marker. The text is written in a dark, fluid cursive style. The background is plain white.

See you in next lecture ...