



kubernetes

Kubernetes: First Image on Kubernetes

KUBERNETES : Run First Image

- Let's Run Newly **Built Custom Image** on Kubernetes Cluster.
- To Launch Containers Images on Kubernetes, we need to Create **Deployment**.
- **Deployment Defines the Running Application.**
- Define the Service on host for the Deployment, so that user can access it.

KUBERNETES : Run First Image

- How to Start Application on MiniKube.
- Start Minikube Kubernetes Cluster
`minikube start`
- Verify Minikube is running.
`kubectl get node`
- Start the Deployment on Kubernetes Cluster.
`kubectl create deployment <Deployment_Name> —
image=<Image_Name>`
- Get Information of Running Deployments
`kubectl get deployments`

KUBERNETES : Run First Image

- Describe the Running Deployment.

```
kubectl describe deployment <Deployment_Name>
```

- Make the NGINX container accessible via the internet.

```
kubectl create service nodeport <deployment_name> --  
tcp=80:80
```

- Get Running Services

```
kubectl get svc
```

- Get Service access point.

```
minikube service <service_name> --url
```

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 ...