

Day -3

Minikube Setup on Windows.

Prerequisites:-

- 2 or more CPU's
- Atleast 2GB of free memory.
- 20GB of free disk space.
- Virtualization Software.
(Oracle VM Virtual box)

→ Installation of minikube on Windows:-

1) Go to official installation page of minikube.

<https://minikube.sigs.k8s.io/docs/start>.

2) Follow and execute each command in windows powershell as admin user.

3) # minikube start.

It will start a VM automatically and install all pre-requisites. If you want you can install 'kubectl' to interact with k8s cluster using kubernetes-cl application.

4) Once minikube started successfully you can use kubectl commands to interact.

kubectl get nodes

(to list all nodes)

kubectl get pods

(to list all pods in default namespace)

minikube dashboard.

(to start metric server and k8s admin console)

5) Deploy a sample application using below commands.

kubectl create deployment hello-minikube

--image=kicbase/echo-server:1.0

kubectl expose deployment hello-minikube

--type=NodePort --port=8080

6) After deployment, run to show service

kubectl get services hello-minikube.

7) After handson, you can cleanup all resource by just running below commands.

minikube delete --all