

30 Days of Kubernetes:-

#Day3 - Minikube setup on Windows.

Prerequisites:-

- 2 or more CPUs
- atleast 2GB of free memory
- 20GB of free disk space.
- virtualisation software
(Oracle VM Virtual Box)

Installation of Minikube on Windows:-

- ① Go to official Installation page of minikube.

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

- ② Follow and execute each command in windows powershell as Admin user.

- ③ `#minikube start`

It'll start a VM automatically and installs all prerequisites. If you want you can install "kubectl" to interact with KB's cluster using Kubernetes-cli application

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

```
# kubectl get nodes
```

(to list all Nodes/master)

```
# kubectl get pods
```

(to list all pods in default Name space)

```
# minikube dashboard
```

(to start metric server and K8 Admin console)

⑤ Deploy a sample application using below cmds.

```
# kubectl create deployment hello-minikube
```

```
--image=kicbase/echo-server:1.0
```

```
# kubectl expose deployment hello-minikube
```

```
--type=NodePort --port=8080.
```

⑥ After deployment, run ls show service

```
#kubectl get services hello-minikube
```

⑦ After handson, you can cleanup all resources by just running below commands:

```
#minikube delete --all.
```