

Create a Kubernetes cluster using minikubes

To create a kubernetes cluster first we will have to install Minikube and Kubectl and checking their installation using following commands:

\$ minikube version

\$ kubectl version

```
(kali@kali)-[~]$ minikube version
minikube version: v1.36.0
commit: f8f52f5de11fc6ad8244afac475e1d0f96841df1-dirty
Client Version: v1.32.3
Kustomize Version: v5.5.0
```

Now I'll start minikube and specify drive as docker

\$ minikube start --drive=docker

By using this it will use Docker as VM driver.
This will:

- Download a Minikube ISO
- Create and configure a virtual machine or container
- Deploy a single-node Kubernetes cluster

Now we verify clusters status

\$ minikube status

To interact with cluster I'll run

\$ kubectl get nodes

It will information about running node

Enable Dashboard

\$ minikube dashboard

Stop Minikube

\$ minikube stop

Delete Minikube

\$ minikube Delete