Minikube

Minikube lets you to provision a single node k8s cluster on your virtual machine locally.

You need hypervisor like VirtualBox or libvirt to install minikube.

For EC2 Instances we do not have access to the BIOS to enable hypervisor, since AWS EC2 instance itself is a Virtual Machine. Thus, we are using the --vm-driver=none tag. No need to install a Hypervisor (VirtualBox or KVM)

Check virtualization is supported, it has to return some values.

Text

Description automatically generated

Install Kubectl

A screenshot of a computer

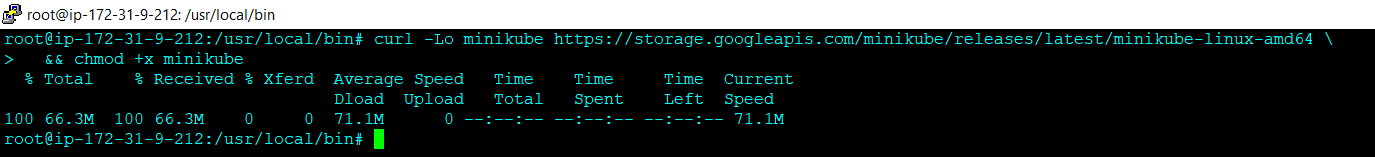
Description automatically generated with medium confidence

Using --vm-driver=none requires docker

Text

Description automatically generated

Install Minikube



Start minikube

Graphical user interface, text

Description automatically generated

Check the status

Text

Description automatically generated

Create a container

Graphical user interface, text

Description automatically generated

Expose the container

Graphical user interface, text

Description automatically generated

Enable dashboard

Graphical user interface, text

Description automatically generated

Stop the Kubernetes cluster

Text

Description automatically generated

Delete the K8s cluster

Text

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