## Setting up Kubornotes boully of Minikube to set up a kubernetes duster. \* Minikubo arts as the moster & worker node of It is not ideal but can be used for on It creates a single node cluster on the testing purposes. Vistual machine on your laptop. some operation puberrores Sommand line tool = Sused for doing duster using duster using Installiation of Kuboctl Installation of Minicube Setting up a loual duster using minikube Minikubo in mostly used for festing developing purposes. de copy the link from the website and our the corredommand in command prompte (ie putting the unl in the Command prompt.

Minikube set up a Virtual Machine Locally deplay all the necessary Kubarneles Component it. unto

-> ~ minikubo start

→ ~ minikubo status

minikub0

type: control plane

host: Running

Kubolet: Running

opicenien: Running

Kubo config : lonfigured.

-> ~ minikubo dash board

Explosing Minikubo Commands

~ minikube docker - env -> environment Variable

Those are reasured for communicating the local VM to the Kuberneles server of docker. with

~ docker container Le > liet all the container running on the local machino

= is gust a command inv bool to interact with charles.

-> Kubortl config convert - context

minikubo.

-> ~ Kuborth get all -- all-namespaces.

-> ~ minikube stop.

-> ~ minikube delete.

## Multinode cluster with Kuboadm + containerd.

Using Kuboadm we con sotup a multipole unitable and multiple unitable your machine and config master and node component.

seure way to access a computer over an (
unsecured notwork.

(reale a control plane unstance on (ivo loud and copy the self & to the command prompt now you are connected to the rombol plane.

of Apply the solling by executing systel commends

Tristalling containerd

root@ control -plano - 1622 F878: n# sudo apt-get updale 4d sudo apt-get unetall -y containerd.

(realing o Containend file · At sudo mkdir -p/etc/containerd. -> creating container Gienerating default configuration CH sudo containend config default | sudo fee /etc/containerd/config.toml Restant Containerd file. A sudo systemett restart containerd. Disabling Supping memory reff sudo swapoff -a. Twinoff automatic updates Sudo apt - mark hold kubelet kuboadm kubect is used to connect with the control node & worker node both are present unside the cluster