Installing Kubernetes on the Server

Install Ubuntu 20.04 LTS and upgrade to 20.10.

We are going to use microk8s for a single node deployment with GPU support on the server which we assembled.

We are going to install microk8s v1.20 via snap:

sudo snap install microk8s --classic --channel=1.20/stable

For details visit the official microk8s docs on [this link](https://microk8s.io/docs) and [this link](https://microk8s.io/docs/setting-snap-channel).

token=$(microk8s kubectl -n kube-system get secret | grep default-token | cut -d " " -f1)

microk8s kubectl -n kube-system describe secret $token

The token is sent to the stdout. Copy the token and paste it below:

We are going to use SOCKS5 proxy for forwarding our requests to the server:

For details see [this link](https://charmed-kubeflow.io/docs/dashboard) and [this github microk8s thread](https://github.com/ubuntu/microk8s/issues/1243).

ssh -D9999 <username>@<network-server-ip>





