Lab 7: Kubernetes Setup Guide

Kubectl and Minikube Setup

Please follow the instructions as per you OS:

Mac/Linux ONLY

Kubectl Installation Guide: https://kubernetes.io/docs/tasks/tools/

Minikube Installation Guide: https://minikube.sigs.k8s.io/docs/start

Windows

1. Make sure docker is up and running. (Run: `docker run hello-world`)
2. Open Docker Desktop → Settings → Kubernetes → Enable Kubernetes →
   Apply and Restart
3. Run `kubectl version --client` to ensure that kubectl is working properly.
4. Uncheck the "Enable Kubernetes" Option that was checked in Step 2 and Apply and Restart again
5. Run `kubectl version --client` to ensure that kubectl is working properly.
6. Open Powershell as administrator and run `winget install Kubernetes.minikube`
7. Close Powershell and re-open it and run `minikube start`
8. Run `kubectl get nodes` to check kubernetes is working. Expected output is: