How to install Kubernetes in your CentOS and Ubuntu VM

Kubernetes is a container software that we can deploy within are virtual Docker environment. This document will guide you through the process of installation process.

How to install on your CentOS VM:

I ran into issues installing Kubernetes in my CentOS VM. The issues I ran into occurred when trying to add the repository. I followed several different guides to build the kubernetes.repo file however anytime I tried to install kubelet, kubectl or kubeadm the repo would fail to load. The error I received was basic and said Warning: failed loading kubernetes.repo skipping….

How to install on your Ubuntu VM:

1. Install classic version of Microk8s. This will install the needed services for Kubernetes. You may install by issuing the following:

# snap install microk8s –classic

Note: microk8s was already installed in my Ubuntu VM.

1. You can list different versions of kubernets available for installation should you want something other than the classic version. You may do so by issuing the following:

# snap info microk8s

1. Check the status of of microk8s by issuing the following:

# microk8s.status

1. You should now be able to access Kubernetes. To do so, you use the kubectl.

# mircok8s.kubectl

Should you need to install kubectl you may do so by issuing the following:

# snap install kubectl –classic

