Kubeadm

Create 1 master and 2 worker nodes using Kubeadm  
  
Ensure network connectivity between master and worker nodes

Graphical user interface, text

Description automatically generated

Disable Swap in all 3 machines

Text

Description automatically generated

Let IP tables see bridge traffic

Text

Description automatically generated

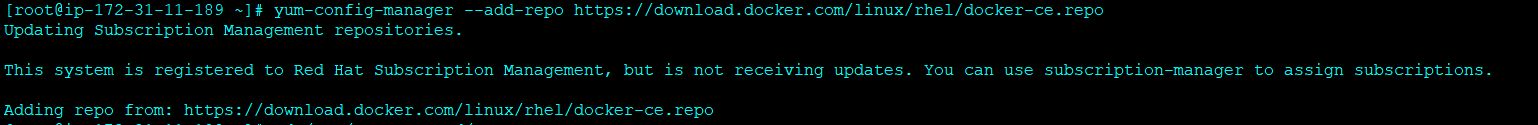
To install containers in pods, Kubernetes need container runtime like Docker, Continerd.

Install docker on RHEL8

Graphical user interface, text

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Add the official repo to install docker



Install docker

Graphical user interface, text

Description automatically generated

Start docker and check status

Text

Description automatically generated

Control docker to use systemd for management of container cgroups

Text

Description automatically generated

Disable selinux

Text

Description automatically generated

Add the repositories for K8s

Text

Description automatically generated

Install Kubernetes

Text

Description automatically generated

Run only on master, Initialize the kubeadm

Graphical user interface, text

Description automatically generated

Text

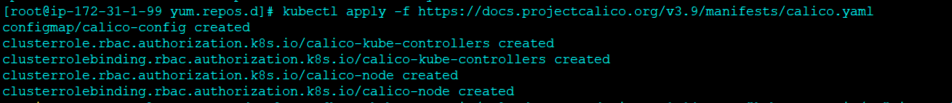
Description automatically generated

Join the worker nodes

Text

Description automatically generated

Deploy pod network for the pods to communicate with each other



Validate  
  
A screenshot of a computer

Description automatically generated with medium confidence