**KUBEADM KURULUMU**

Kullanılanlinux dağıtımı ve sürümü : Ubuntu 20.04 Arayüzlü

Kurulan kubeadm sürümü : Kubernetes v1.32

Not : komutların sırası belgede belirtilen şekilde olmalıdır

Yeşil ---> hem master hem worker makinelerde kurulum için kullanlılacak komutları temsil eder

Kırmızı ---> sadece master makinelerde kurulum için kullanılacak komutları temsil eder

Mavi ---> sadece worker makinelerde kurulum için kullanılacak komutları temsil eder

sudo apt update

sudo apt upgrade -y

swapoff -a

sudo apt-get update

sudo apt-get install -y apt-transport-https ca-certificates curl gpg

sudo mkdir -p -m 755 /etc/apt/keyrings

curl -fsSL https://pkgs.k8s.io/core:/stable:/v1.32/deb/Release.key | sudo gpg --dearmor -o /etc/apt/keyrings/kubernetes-apt-keyring.gpg

echo 'deb [signed-by=/etc/apt/keyrings/kubernetes-apt-keyring.gpg] https://pkgs.k8s.io/core:/stable:/v1.32/deb/ /' | sudo tee /etc/apt/sources.list.d/kubernetes.list

modprobe br\_netfilter

echo 1 > /proc/sys/net/bridge/bridge-nf-call-iptables

echo 1 > /proc/sys/net/ipv4/ip\_forward

sudo apt-get update

sudo apt-get install -y kubelet kubeadm kubectl

sudo apt-mark hold kubelet kubeadm kubectl

sudo systemctl enable --now kubelet

sudo apt update

sudo apt install -y curl gnupg lsb-release software-properties-common

sudo mkdir -p /etc/apt/keyrings

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg

echo \

"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu \

$(lsb\_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

sudo apt update

sudo apt install -y containerd.io

sudo mkdir -p /etc/containerd

sudo containerd config default | sudo tee /etc/containerd/config.toml > /dev/null

sudo systemctl restart containerd

sudo systemctl enable containerd

sudo systemctl status containerd

A computer screen with white text

Description automatically generated

sudo sysctl -w net.ipv4.ip\_forward=1

sudo kubeadm init --pod-network-cidr=192.168.0.0/16 --cri-socket unix:///var/run/containerd/containerd.sock --v=5

A screenshot of a computer program

Description automatically generated

mkdir -p $HOME/.kube

sudo cp -i /etc/kubernetes/admin.conf $HOME/.kube/config

sudo chown $(id -u):$(id -g) $HOME/.kube/config

sudo hostnamectl set-hostname worker1

kubectl apply -f https://raw.githubusercontent.com/coreos/flannel/master/Documentation/kube-flannel.yml

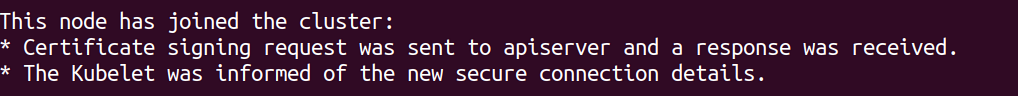
sudo sysctl -w net.ipv4.ip\_forward=1

kubeadm join 192.168.244.140(master makine ip):6443 --token gtcxl7.8am8tvunb2rtl6iq --discovery-token-ca-cert-hash sha256:b5732b35253e1126c5d92e012c55f913efc6c653f3ee171e2ea8cc647d452db1(master makineden alınan token)



sudo systemctl restart kubelet

sudo systemctl restart containerd



kubectl get nodes

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Description automatically generated

kubectl get pods -A -o wide

A close up of a screen

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“ NOT: her kapanış açılışta ,

sudo swapoff -a

modprobe br\_netfilter

echo 1 > /proc/sys/net/bridge/bridge-nf-call-iptables

echo 1 > /proc/sys/net/ipv4/ip\_forward

systemctl restart kubelet