Create a management server in aws and keep all below things in management server

<https://github.com/kubernetes/kops> --download kops 1.20.0 version using below commands

apt install awscli

kops-linux-amd64

wget <https://github.com/kubernetes/kops/releases/download/v1.19.0-beta.1/kops-linux-amd64>

wget <https://github.com/kubernetes/kops/releases/download/v1.20.0-alpha.1/kops-linux-amd64>

chmod 700 kops-linux-amd64

mv kops-linux-amd64 /usr/local/bin/kops

**need to download kubectl**

curl -LO https://dl.k8s.io/release/v1.26.0/bin/linux/amd64/kubectl

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

kops create cluster --name=awsravi.xyz --state=s3://awsravi.xyz --zones=us-east-1a --node-count=2 --node-size=t2.micro --master-size=t2.small --master-volume-size 20 --node-volume-size 10 --dns-zone=awsravi.xyz --yes

kops validate cluster --state=s3://awsravi.xyz

kubectl cluster-info

Kubernetes control plane is running at https://api.awsravi.xyz

KubeDNS is running at https://api.awsravi.xyz/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy

kubectl get pods -n kube-system

**using below command for auto complete using kubectl**

echo "source <(kubectl completion bash)" >> ~/.bashrc

**Commands**

1. kubectl get services -A
2. kubectl get pods -o wide --> it is useful for the pods is running on which node
3. kubectl get pods -o wide --no-headers | cut -d “ “ -f 1 --> if you change values in last number you will get output of above commands column wise.
4. Kubectl describe svc podname