IAM

Create a user "eks-admin" with AdministratorAccess
Create Security Credentials Access Key and Secret access key

EC2

Create an ubuntu instance (region us-west-2)

ssh to the instance from local

Install AWS CLI v2

curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
sudo apt install unzip
unzip awscliv2.zip
sudo ./aws/install -i /usr/local/aws-cli -b /usr/local/bin --update

Setup your access by

aws configure

Install kubectl

curl -o kubectl
https://amazon-eks.s3.us-west-2.amazonaws.com/1.19.6/2021-01-05/bin/linux/amd64/kubectl
chmod +x ./kubectl
sudo mv ./kubectl /usr/local/bin
kubectl version --short --client

Install eksctl

```
curl --silent --location "https://github.com/weaveworks/eksctl/releases/latest/download/eksctl_$(uname
-s)_amd64.tar.gz" | tar xz -C /tmp
sudo mv /tmp/eksctl /usr/local/bin
eksctl version
```

Setup EKS Cluster

```
eksctl create cluster --name my-cluster --region us-west-2 --node-type t2.micro --nodes-min 2
--nodes-max 2
aws eks update-kubeconfig --region us-west-2 --name my-cluster
kubectl get nodes
```

Run Manifests

```
kubectl create namespace two-tier-ns
kubectl apply -f .
Kubectl delete -f .
```

```
eksctl delete cluster --name my-cluster --region us-west-2
```