CUSTOM RESOURCE DEFINITION

STEP 1 –MINIKUBE AND DOCKER INSTALLATION ON AMAZON LINUX

1. Launch an instance from an Amazon Linux 2 or Amazon Linux AMI

2. Connect to your instance.

3. Update the packages and package caches you have installed on your instance.

yum update -y

4. Install the latest Docker Engine packages. Amazon Linux 2 amazon-linux-extras install docker yum install docker -y

5. Start the Docker service.

systemctl start docker systemctl enable docker

6. Install Conntrack and Minikube:

yum install conntrack -y

curl -LO
https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64
sudo install minikube-linux-amd64
/usr/local/bin/minikube 7. Start your MINIKUBE
/usr/local/bin/minikube start --force --driver=docker

STEP2 – INSTALL DOCKER/GIT

yum install docker -y

systemctl start docker

systemctl enable docker

GIT

```
 yum install git
```

STEP 3 – INSTALL KUBECTL

```
curl -o kubectl
https://amazon-eks.s3.us-west-2.amazonaws.com/1.20.
4/2021 -04-12/bin/linux/amd64/kubectl
 chmod +x ./kubectl
 mkdir -p $HOME/bin
 cp ./kubectl $HOME/bin/kubectl
 export PATH=$HOME/bin:$PATH
 echo 'export PATH=$HOME/bin:$PATH' >> ~/.bashrc
 source $HOME/.bashrc
 kubectl version --short –client
```

STEP 4 – Clone Code and run the commands

** Clone the repository
https://github.com/praveen1994dec/Custom_Resource_
Definition.git **

cd Custom_Resource_Definition/ and hit the below command

kubectl apply -f crd.yml **

Once the CRD is registered, verify that by running the

kubectl api-resources | grep myplatform

** Creating the custom resource
kubectl apply -f cr.yml

** Hit the below command kubectl get myp