—THIS IS HAVING ISSUES AS CERT-MANAGER IS NOT WOKRING–

–CREATE CERTS USING CERTBOT USING URL AND DEPLOY RANCHER WITHOUT CERTMANAGER–

https://docs.google.com/document/d/1pfeW9FJ8B650wD9tE2U2YoxKh8a4WwYr/edit

1. Deploy cluster using KOPS
2. Deploy Ingress Controller.

kubectl apply -f <https://raw.githubusercontent.com/kubernetes/ingress-nginx/controller-v1.0.0/deploy/static/provider/aws/deploy.yaml>

This will also deploy the load balancer as well and TG.

1. Deploy new 20.04 and Generate LetsEncrypt certs using CertBot

<https://docs.google.com/document/d/1pfeW9FJ8B650wD9tE2U2YoxKh8a4WwYr/edit>

1. Create Secret using the certs generated as mentioned in the article.

Use fullchain.pem & privkey.pem to create certificates.

kubectl create namespace cattle-system

kubectl create secret tls my-tls-secret --key tls.key --cert tls.crt -n cattle-system

1. Deploy Rancher using self certs as below.

helm repo add rancher-stable https://releases.rancher.com/server-charts/stable

helm repo update

helm install rancher rancher-stable/rancher \

--namespace cattle-system \

--set hostname=rancher.telugugcp.xyz \

--set bootstrapPassword=India@123456 \

--set ingress.tls.source=my-tls-secret

1. Delete the default rancher ingress which is named as rancher
2. Create a new ingress using the manifest below rancher-ingress.yml. Update the hostnames in the manifest as needed.

1. Create a Route53 record for the load balancer from step 2 using rancher.telugugcp.xyz