**III-Install Docker and Kubernetes on the cluster.**

**A**fter many tries, I had successfully installed my Kubernetes cluster on EC2 using kops.

Here are the steps.

I will also provide with the GitHub link.

https://github.com/jeanmd1/k8sonEC2.git

Launch an EC2 amazon Linux server t2 micro

Graphical user interface, text, application

Description automatically generated

Configure security group with all allow inbound

Graphical user interface, text, application, email

Description automatically generated

Create a role with admin permissions

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

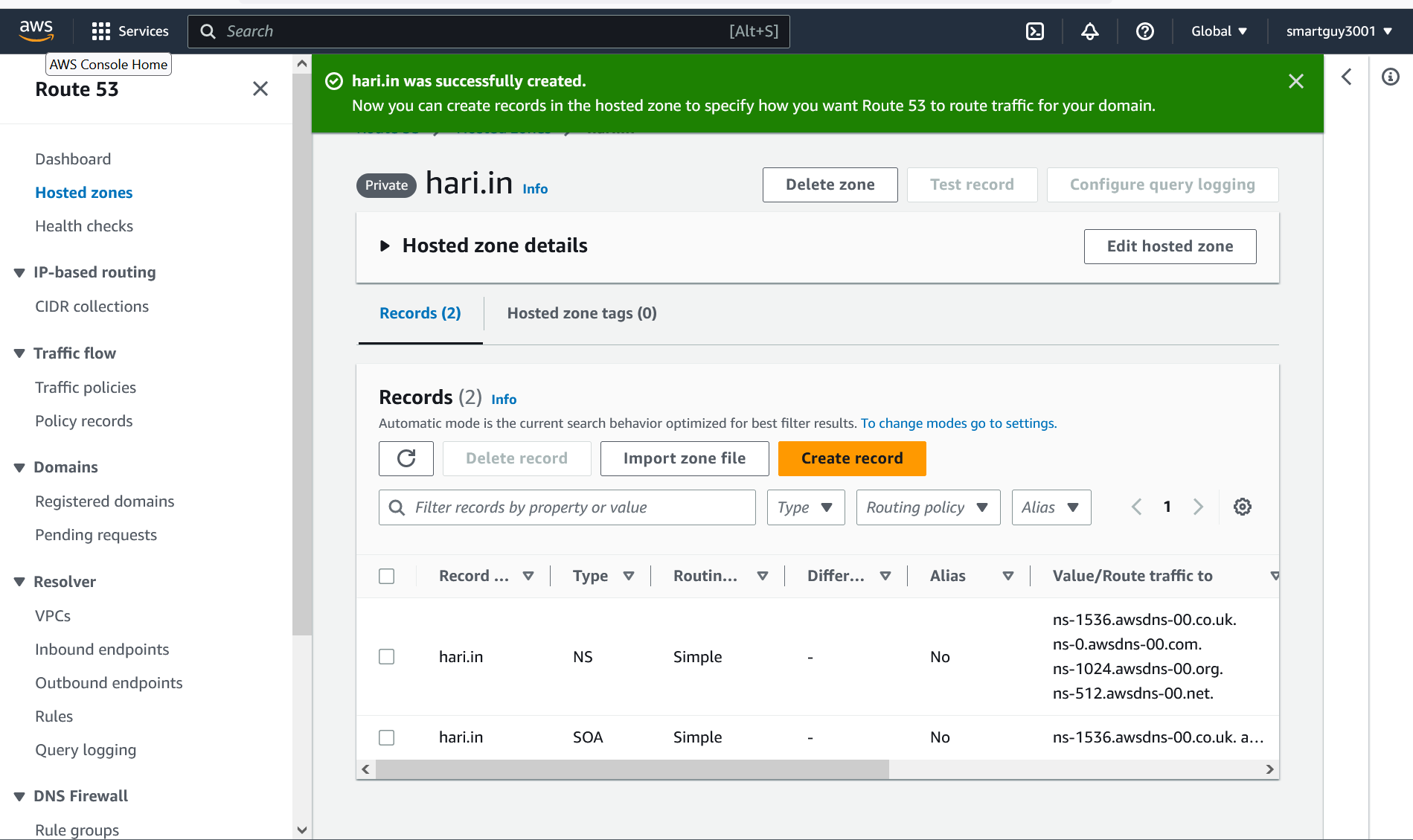
Description automatically generated

Role attached

Graphical user interface, text, application, email

Description automatically generated

Route 53 create



Connection to my EC2 using MobaXterm.

Text

Description automatically generated

Install kops with appropriate permissions.

Text

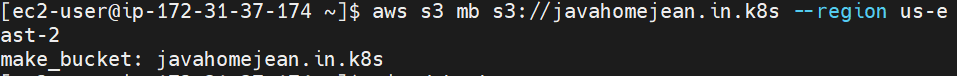
Description automatically generated

Install Kubernetes and all permissions.

Text

Description automatically generated

Create s3 bucket.



Edit ~/.bashrc with export KOPS ClUSTER NAME and KOPS\_STATE\_STATE s3 bucket

Text

Description automatically generated

Text

Description automatically generated

Generate keys pairs.

.Text

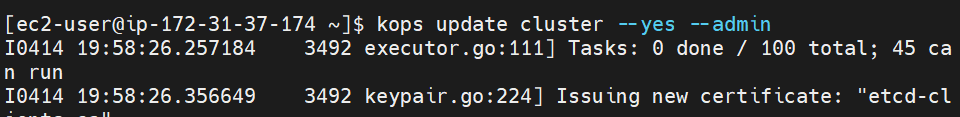
Description automatically generated

Kops started creating cluster.

Text

Description automatically generated

Creating Cluster confirmation



Creation Cluster in progress

Text

Description automatically generated

Cluster ready to use.

Text

Description automatically generated

Verification on EC2 Dashboard.

Graphical user interface, application

Description automatically generated

Let’s see our cluster.

Text

Description automatically generated