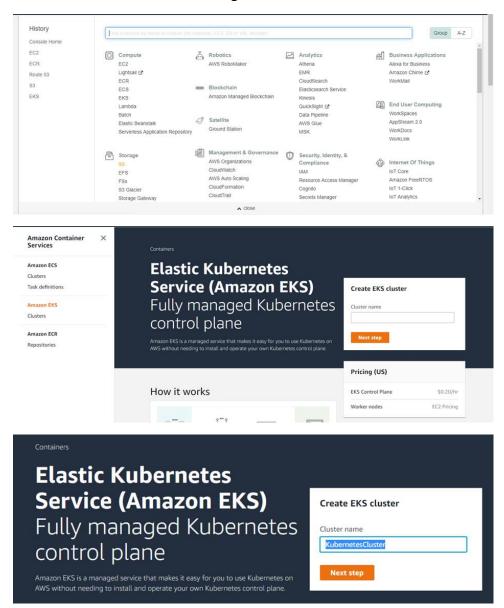
5.2 Install Kubernetes on Cloud

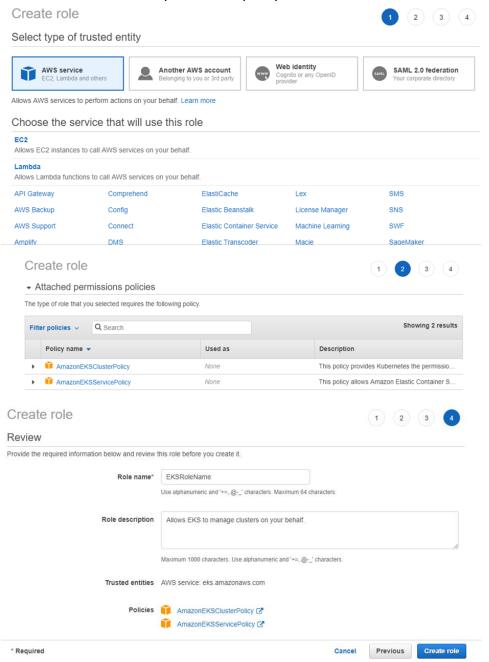
Connect to AWS console and navigate to EKS service to create an EKS cluster



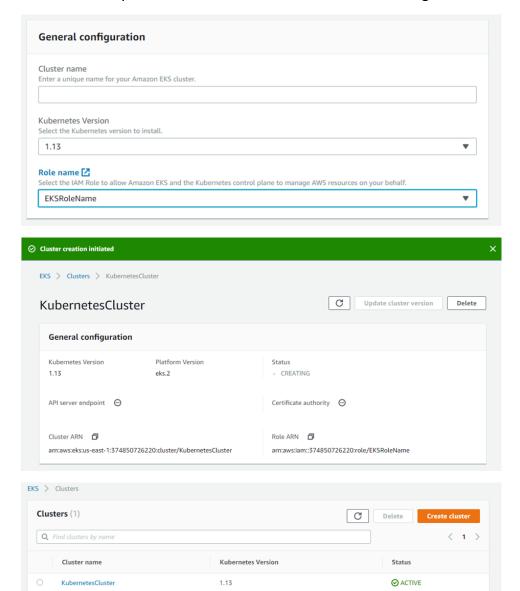
Configure Role name used by EKS rest.



Click on **Create Role** and provide the policy details. Select **EKS** from the service list.



Select the newly created role name from the list while creating the EKS cluster



wget https://amazon-eks.s3-us-west-2.amazonaws.com/1.10.3/2018-07-26/bin/linux/amd64/kubectl

chmod +x kubectl

./kubectl

mkdir bin

cp ./kubectl \$HOME/bin/kubectl && export PATH=\$HOME/bin:\$PATH

kubectl version

kubectl version --short --client

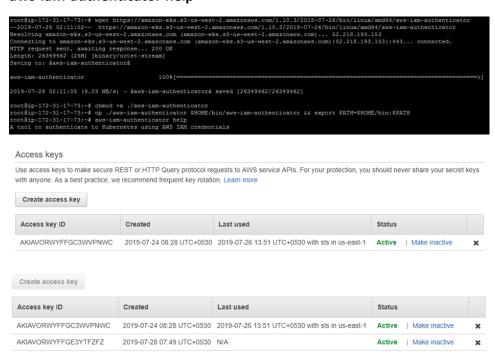
```
root@ip-172-31-17-73:~ mkdir bin
root@ip-172-31-17-73:~ cp ./kubectl $HOME/bin/kubectl && export PATH=$HOME/bin:$PATH
root@ip-172-31-17-73:~ kubectl version
Client Version: version.Info{Major:"1", Minor:"10", GitVersion:"v1.10.3", GitCommit:"2bba0-26T20:40:11Z", GoVersion:"go1.9.3", Compiler:"gc", Platform:"linux/amd64"}
```

wget https://amazon-eks.s3-us-west-2.amazonaws.com/1.10.3/2018-07-26/bin/linux/amd64/aws-iam-authenticator

chmod +x ./aws-iam-authenticator

cp ./aws-iam-authenticator \$HOME/bin/aws-iam-authenticator && export PATH=\$HOME/bin:\$PATH

aws-iam-authenticator help



Configure AWS CLI and provide Access Keys and Secret Access Keys while configuring it.

```
root@ip-172-31-17-73:~# aws configure

AWS Access Key ID [None]: AKIAVORWYFFGE3YTFZFZ

AWS Secret Access Key [None]: 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

Default region name [None]: us-east-1

Default output format [None]: json

root@ip-172-31-17-73:~#
```

awseks --region us-east-1 update-kubeconfig --name KubernetesCluster kubectl get svc

```
root@ip-172-31-17-73:~# aws eks --region us-east-1 update-kubeconfig --name KubernetesCluster
Updated context arn:aws:eks:us-east-1:374850726220:cluster/KubernetesCluster in /root/.kube/config
root@ip-172-31-17-73:~# kubectl get svc
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.100.0.1 <none> 443/TCP 32m
root@ip-172-31-17-73:~#
```