### Create Amazon EKS cluster by eksctl | How to create EKS cluster in AWS cloud using eksctl | Create EKS Cluster in command line using IAM Role

sudo apt update -y

apt list --upgradable

curl "https://awscli.amazonaws.com/awscli-exe-linux-x86\_64.zip" -o "awscliv2.zip"

sudo apt install unzip

sudo unzip awscliv2.zip

sudo ./aws/install

aws --version

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

sudo curl --silent --location -o /usr/local/bin/kubectl <https://s3.us-west-2.amazonaws.com/amazon-eks/1.22.6/2022-03-09/bin/linux/amd64/kubectl>

sudo chmod +x /usr/local/bin/kubectl

kubectl version --short --client

aws configure

eksctl create cluster --name demo-eks --region us-east-1 --nodegroup-name my-nodes --node-type t3.small --managed --nodes 2

eksctl get cluster --name demo-eks

aws eks update-kubeconfig --name demo-eks

kubectl get nodes

kubectl get ns

kubectl create deployment nginx --image=nginx

kubectl get deployments

eksctl delete cluster --name demo-eks