Name:M.Ravi Krishna

Id:2000031169

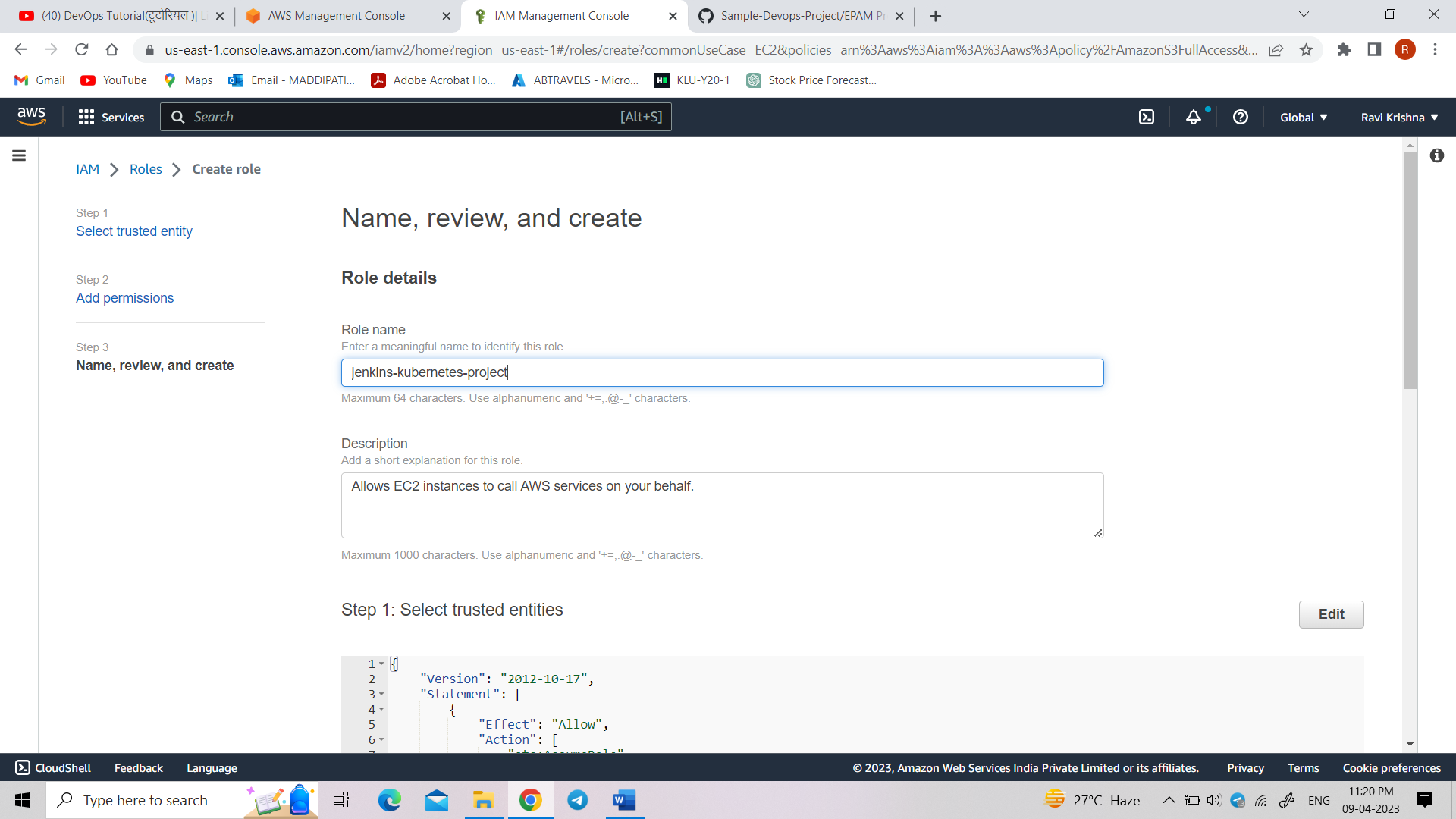
CLOUD DEVOPS PROJECT

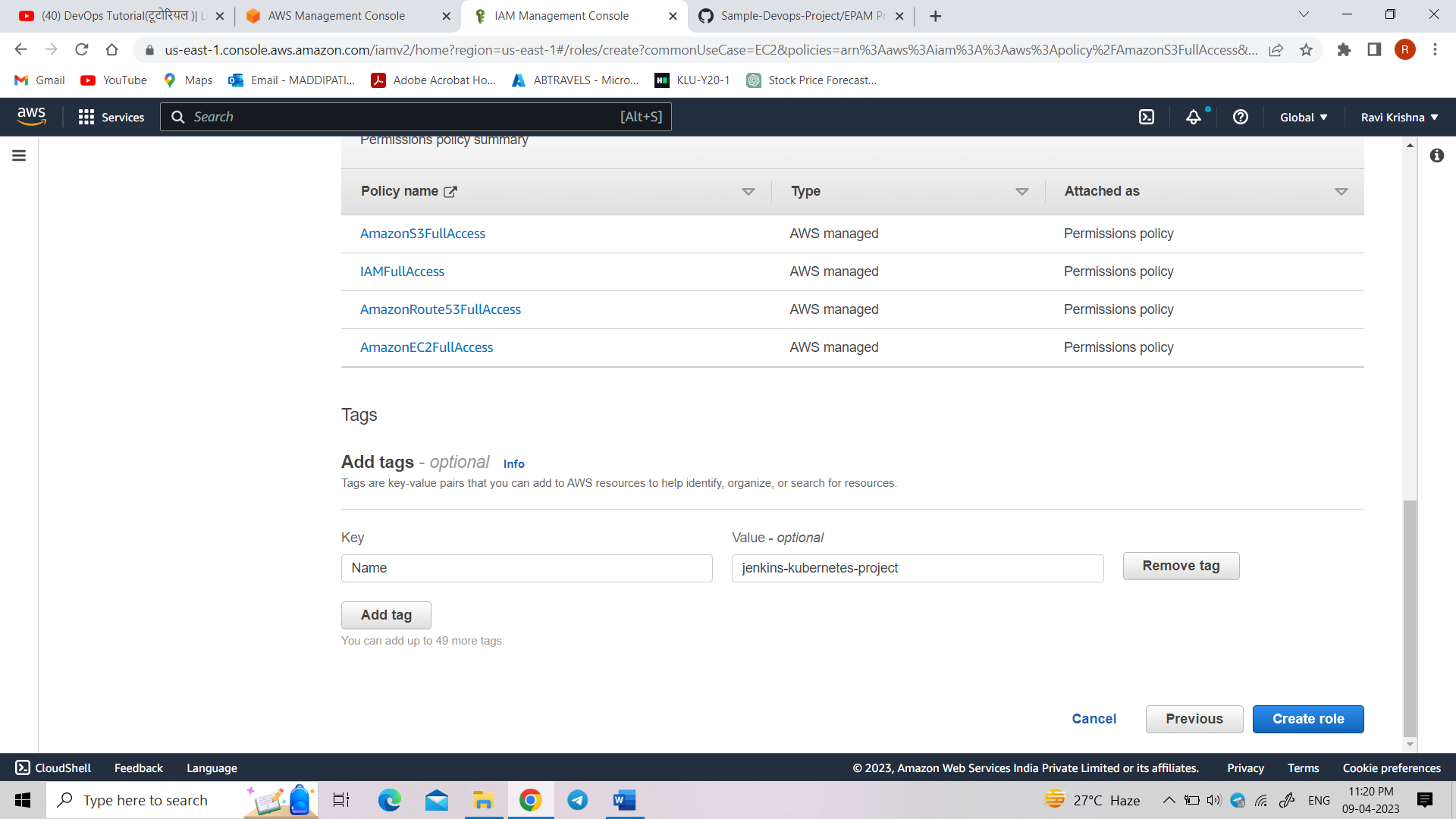
Create IAM roles in aws account:

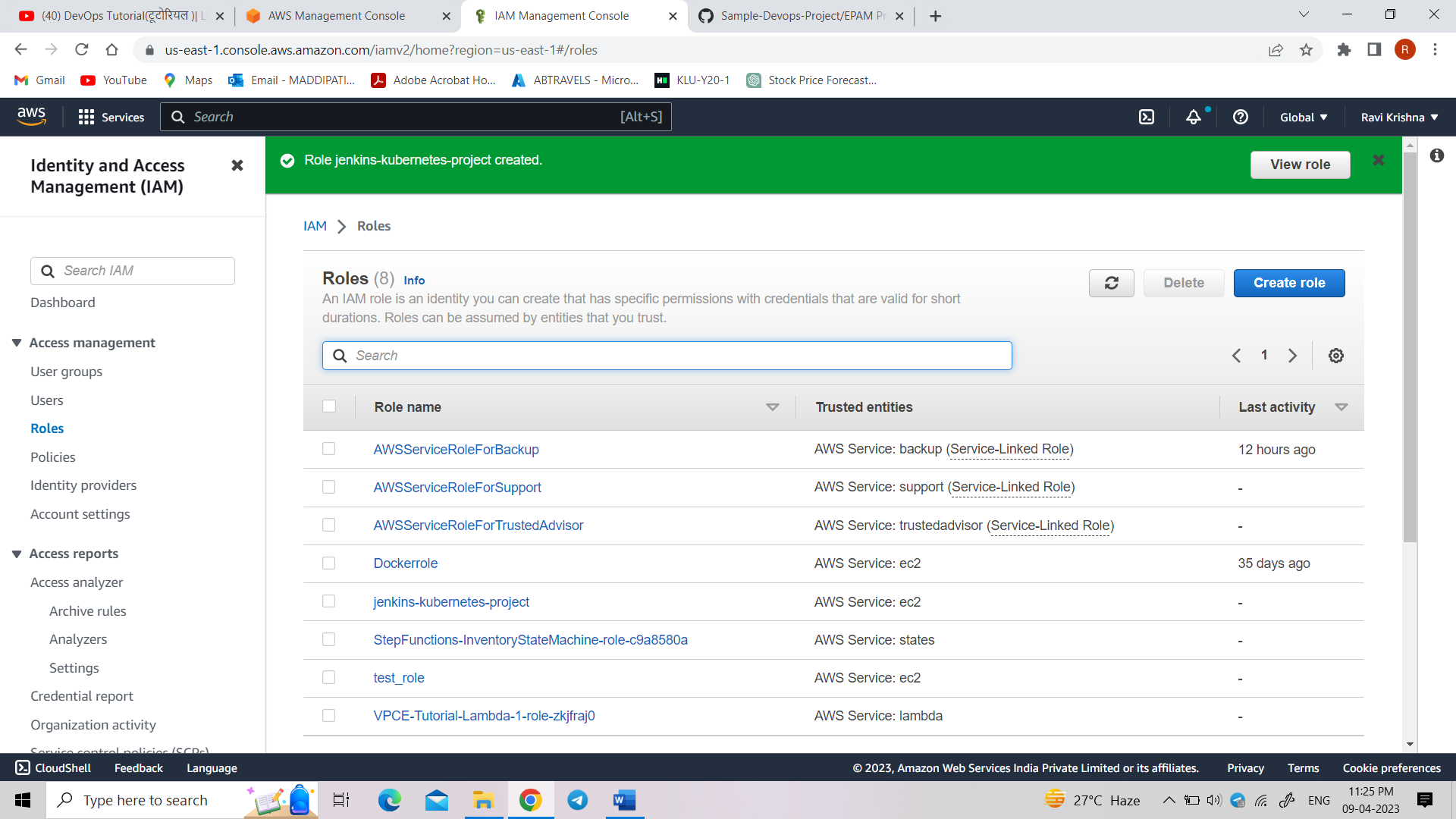
Ec2fullaccess

amazonRoute53fullaccess

Amazons3fullaccess



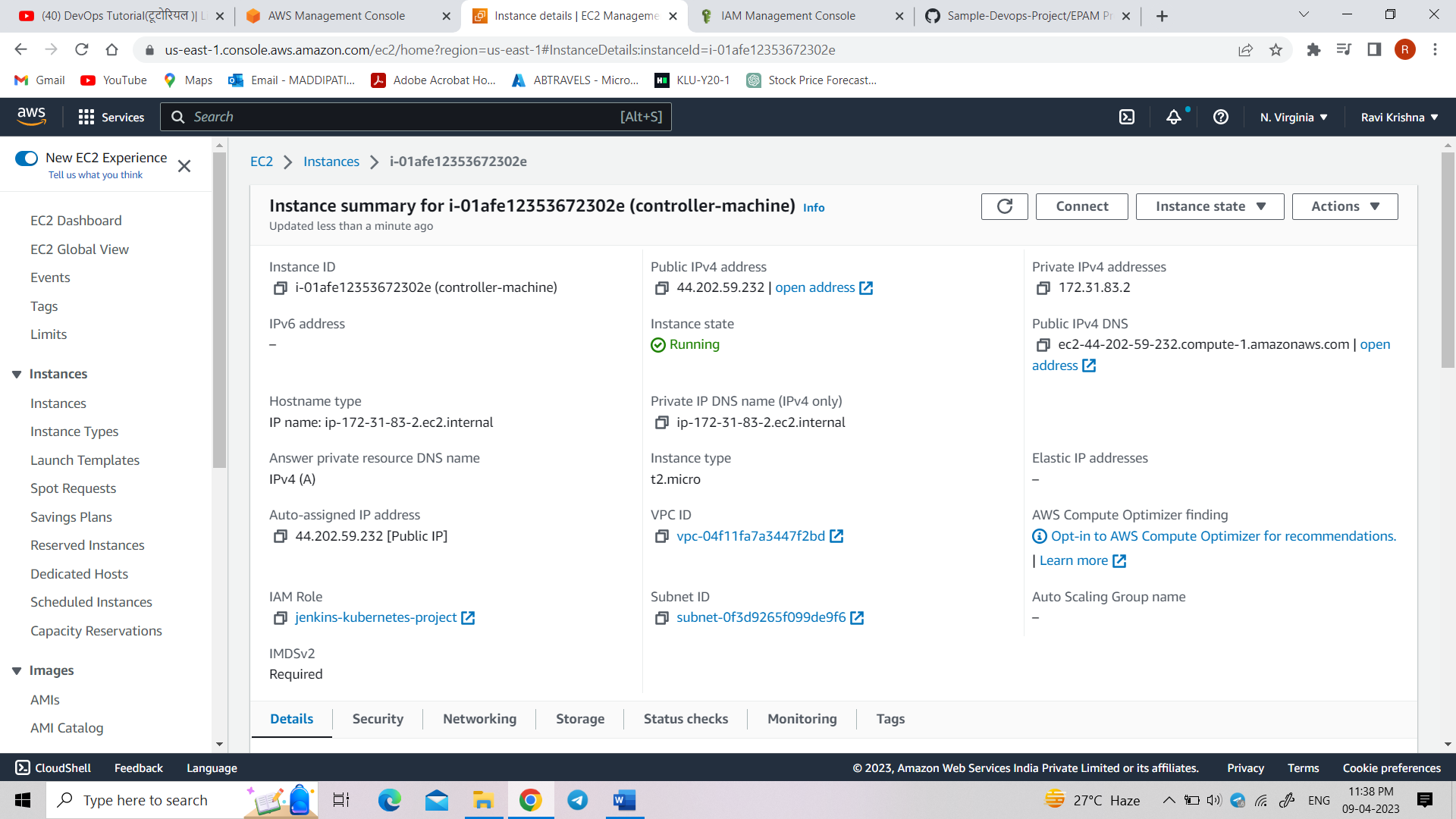




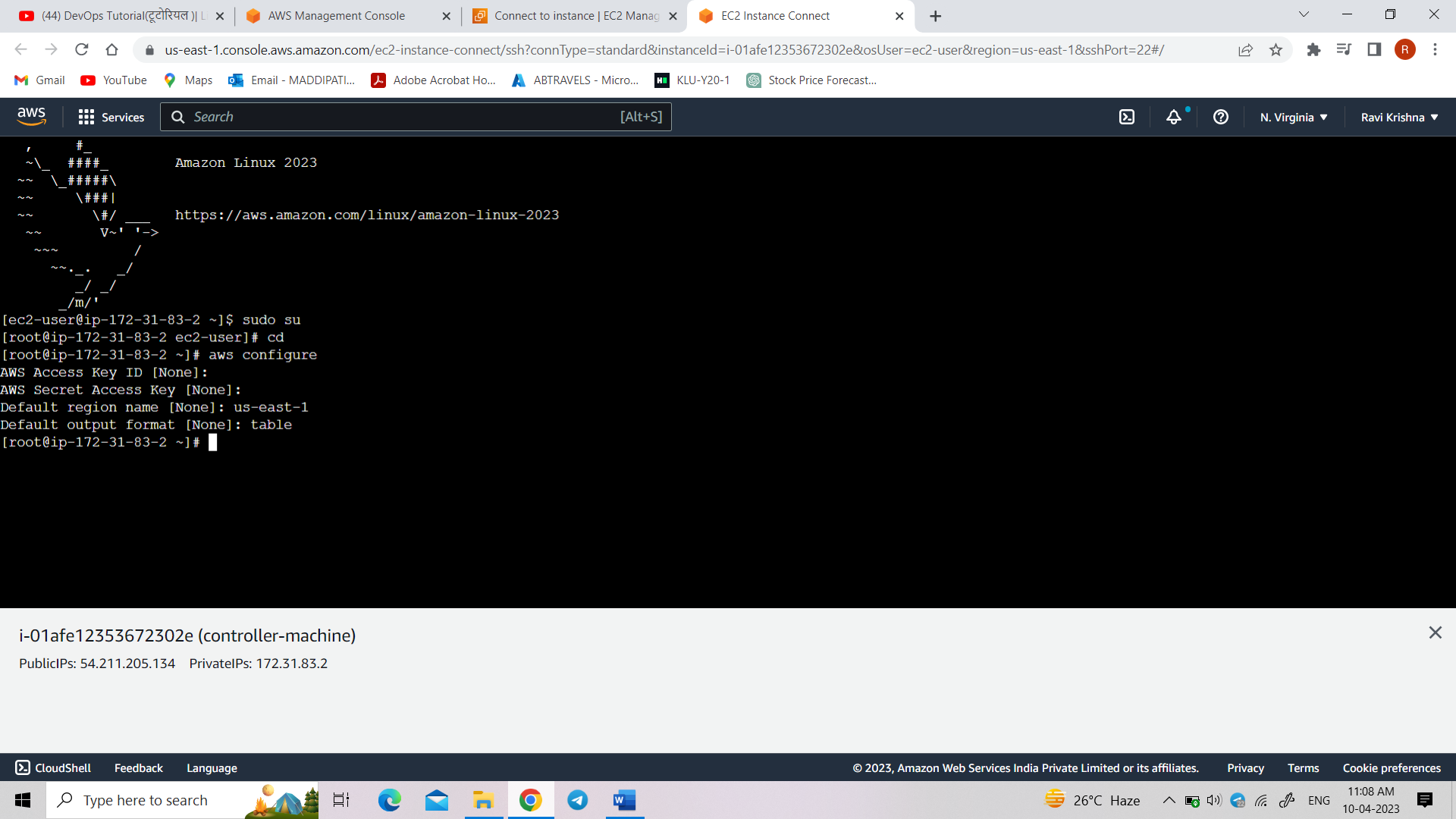
Now create an ec2 instance:

Select the newly created IAM role “Jenkins-Kubernetes-project”



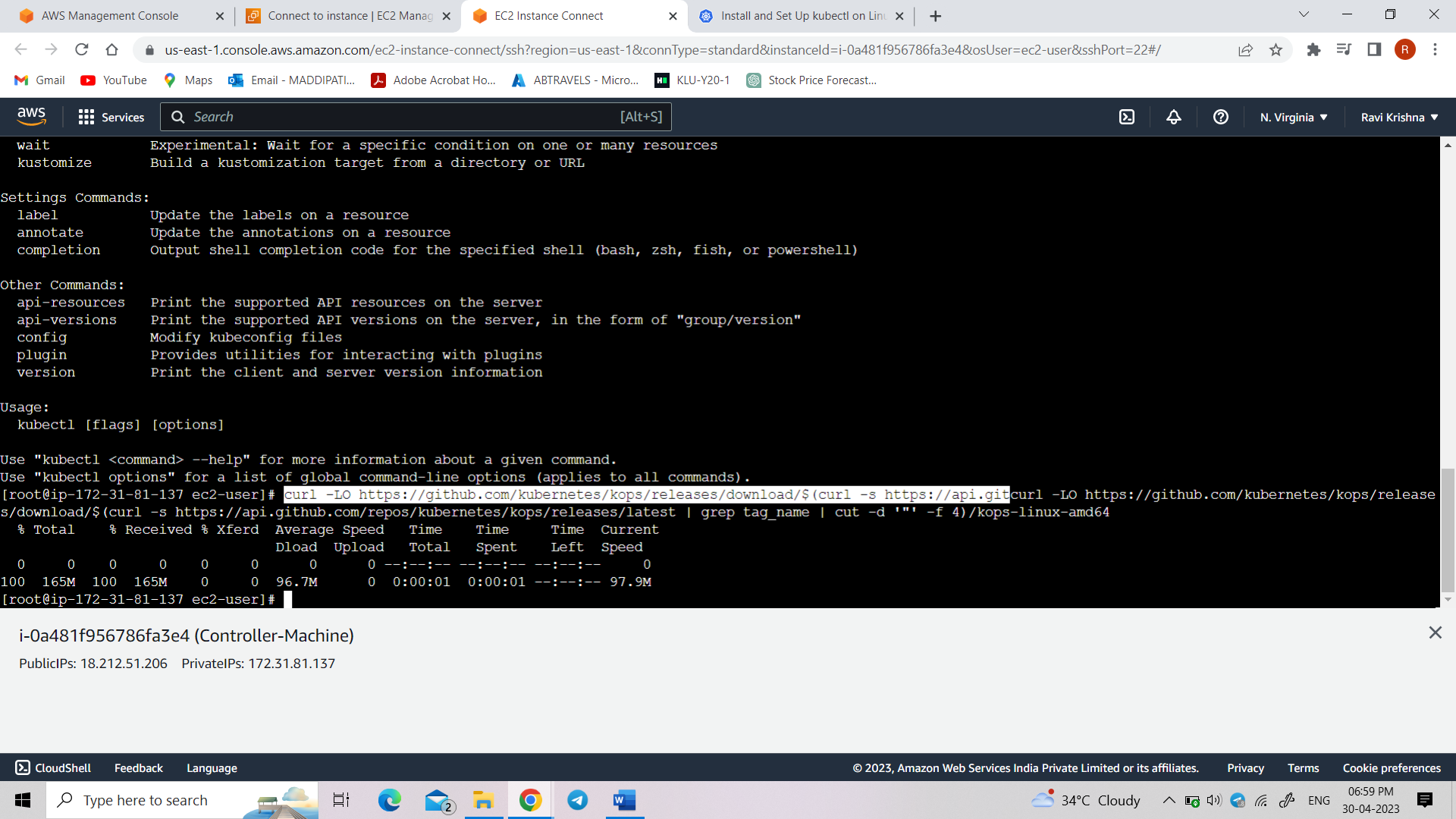


Connect to ec2 instance:



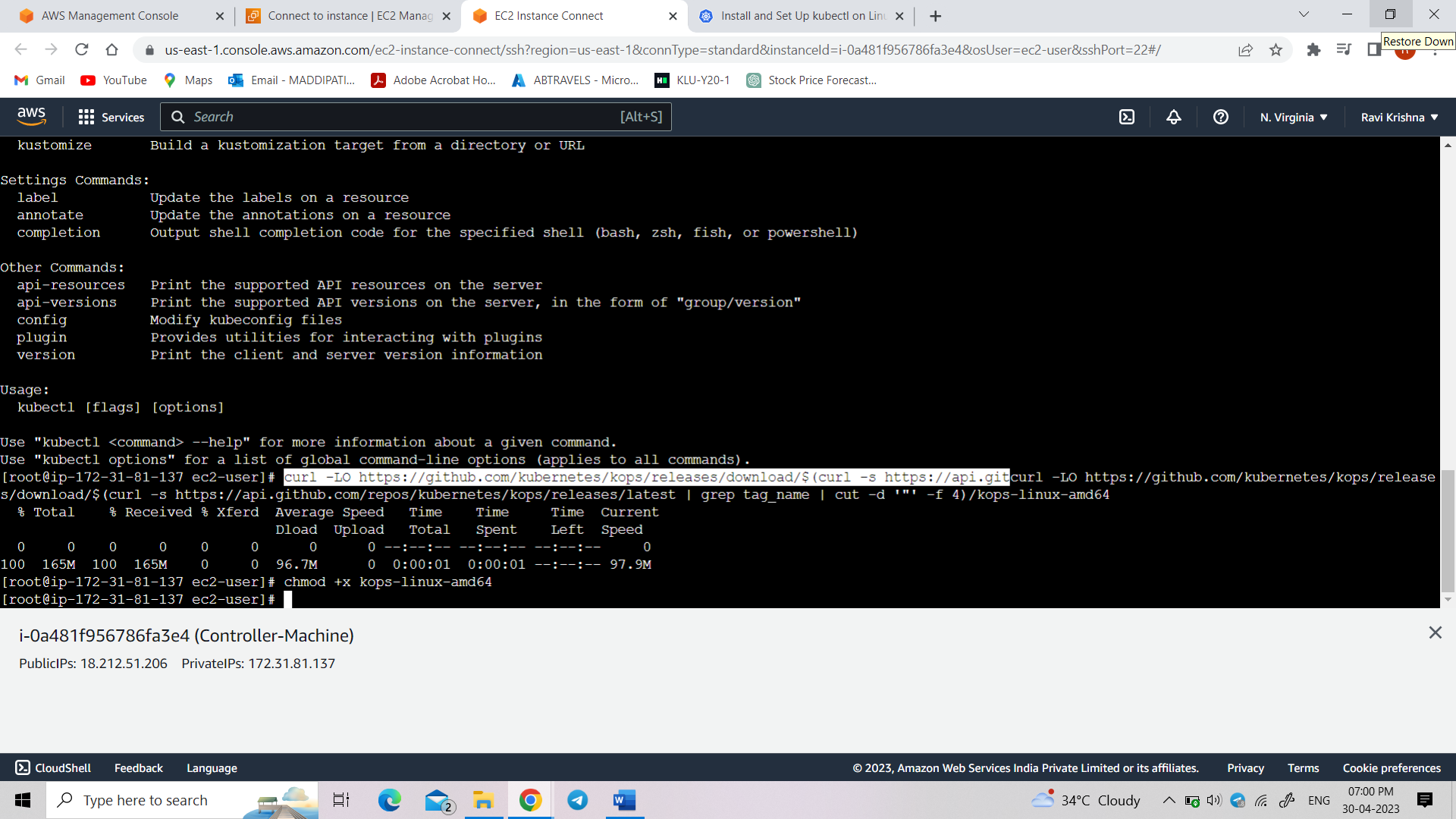
Installing kops using command

“curl -LO https://github.com/kubernetes/kops/releases/download/**$(**curl -s https://api.github.com/repos/kubernetes/kops/releases/latest | grep tag\_name | cut -d '"' -f 4**)**/kops-linux-amd64”



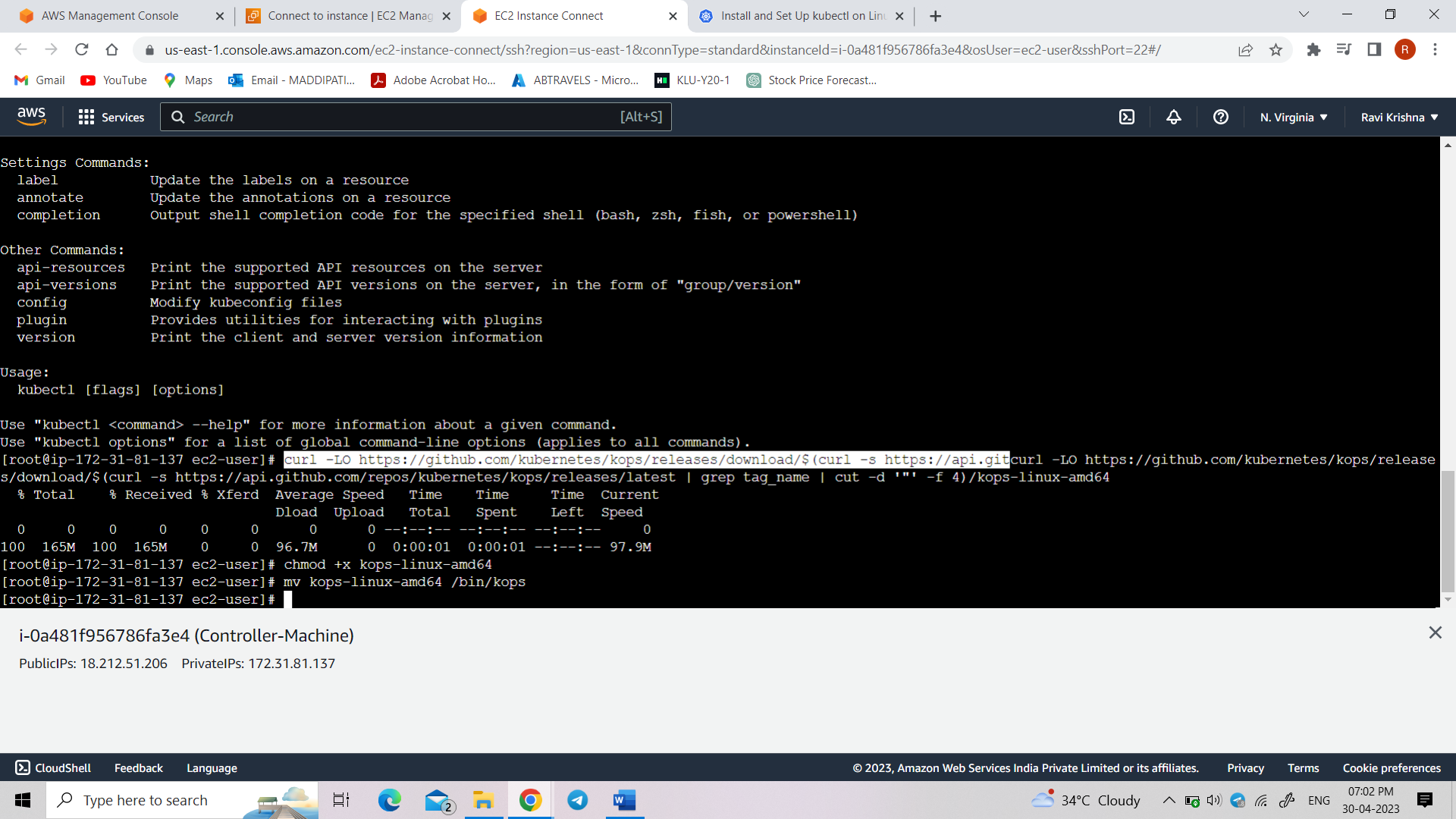
Now make kops binary executable

“chmod +x kops-linux-amd64”

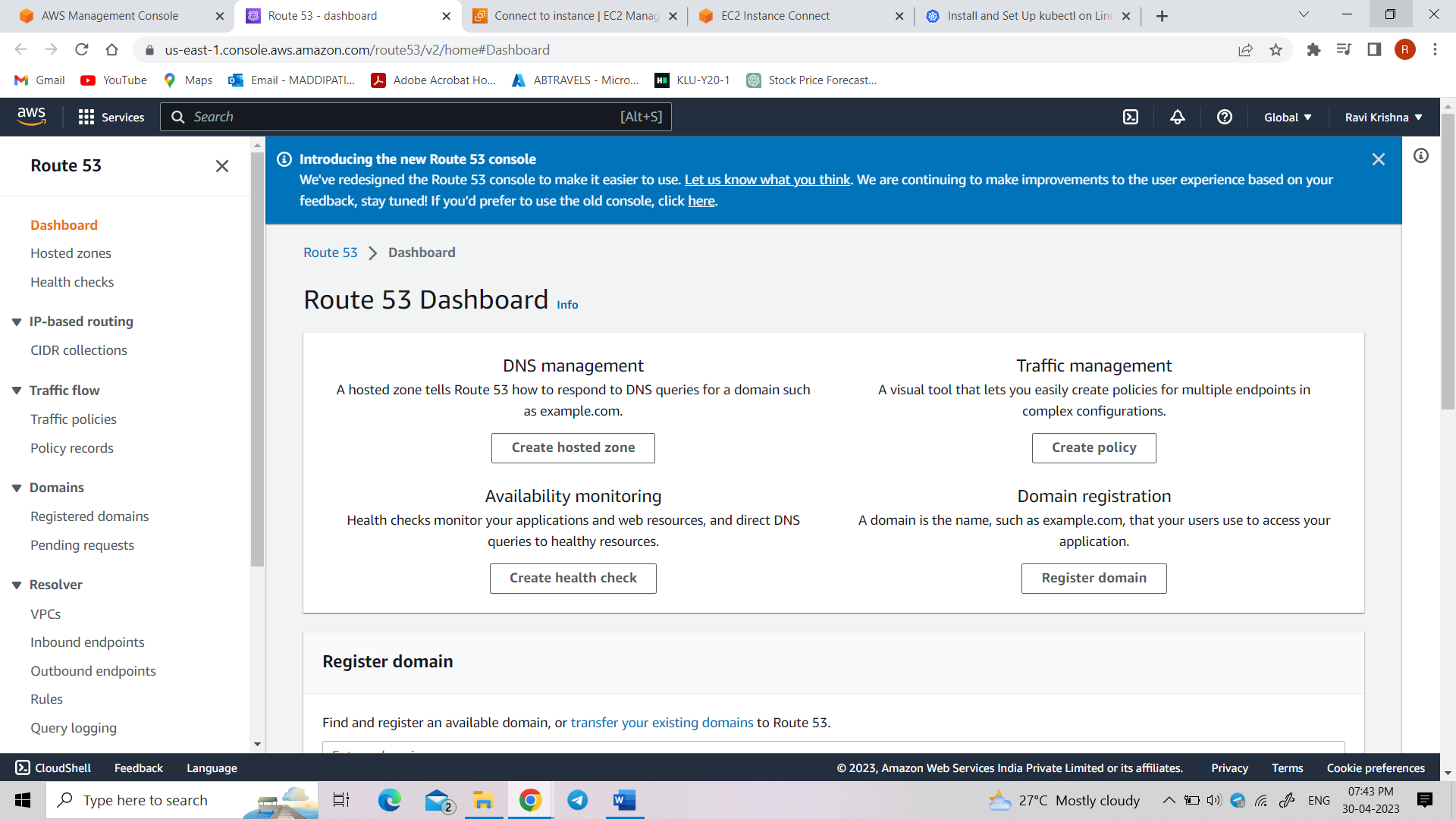


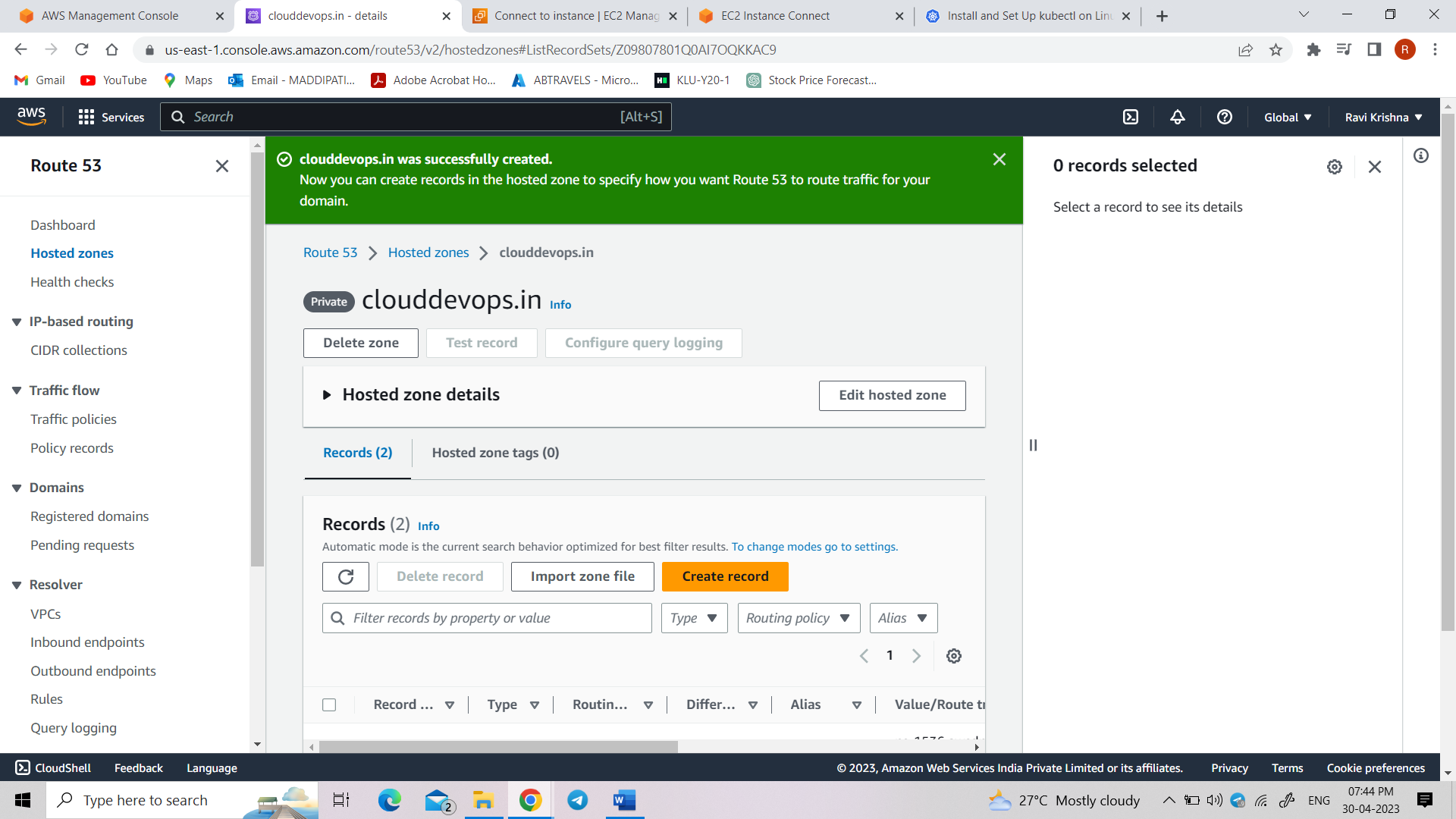
Now make the kops binary into your path

“mv kops-linux-amd64 /usr/local/bin/kops”



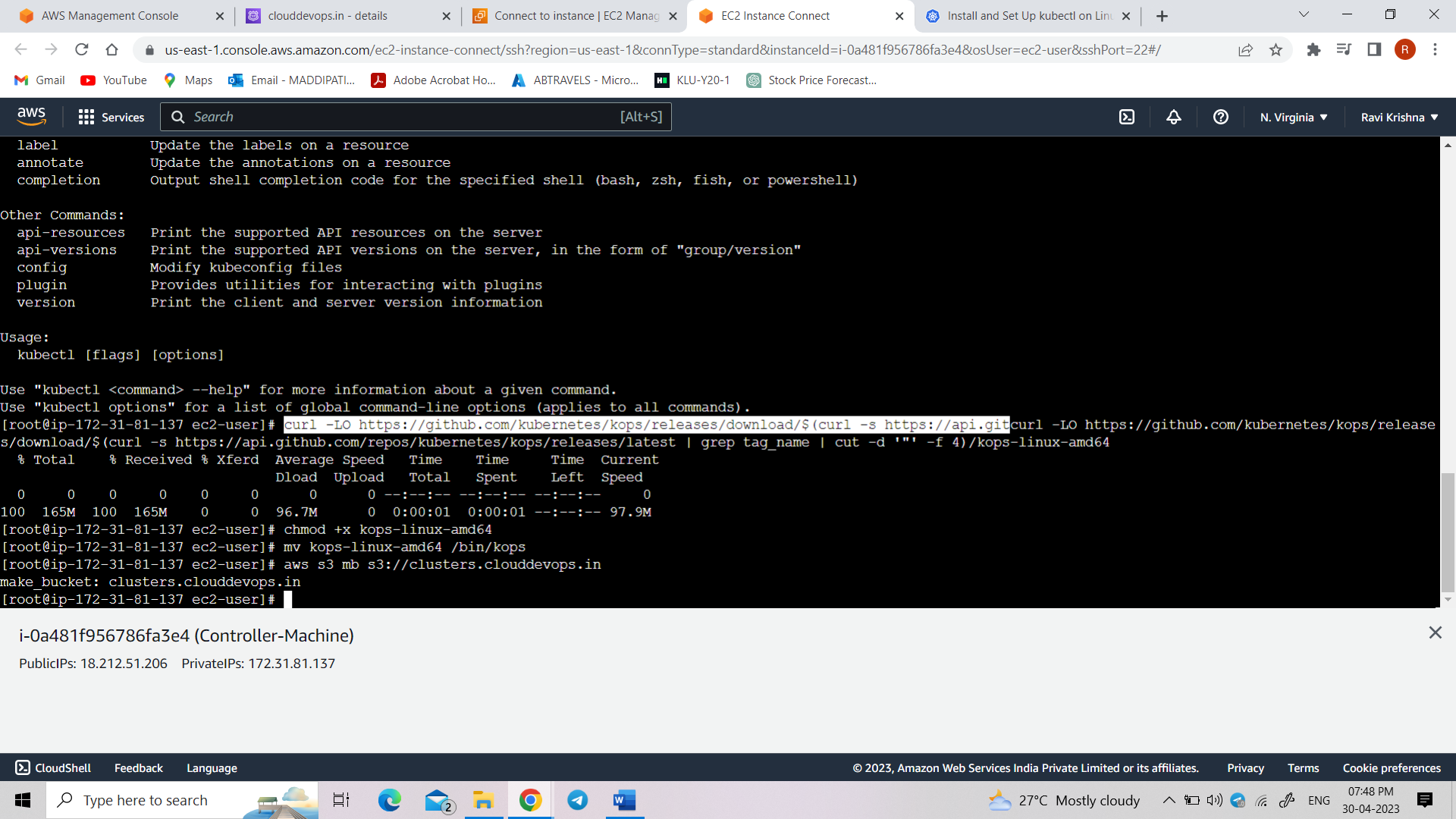
Amazon route 53

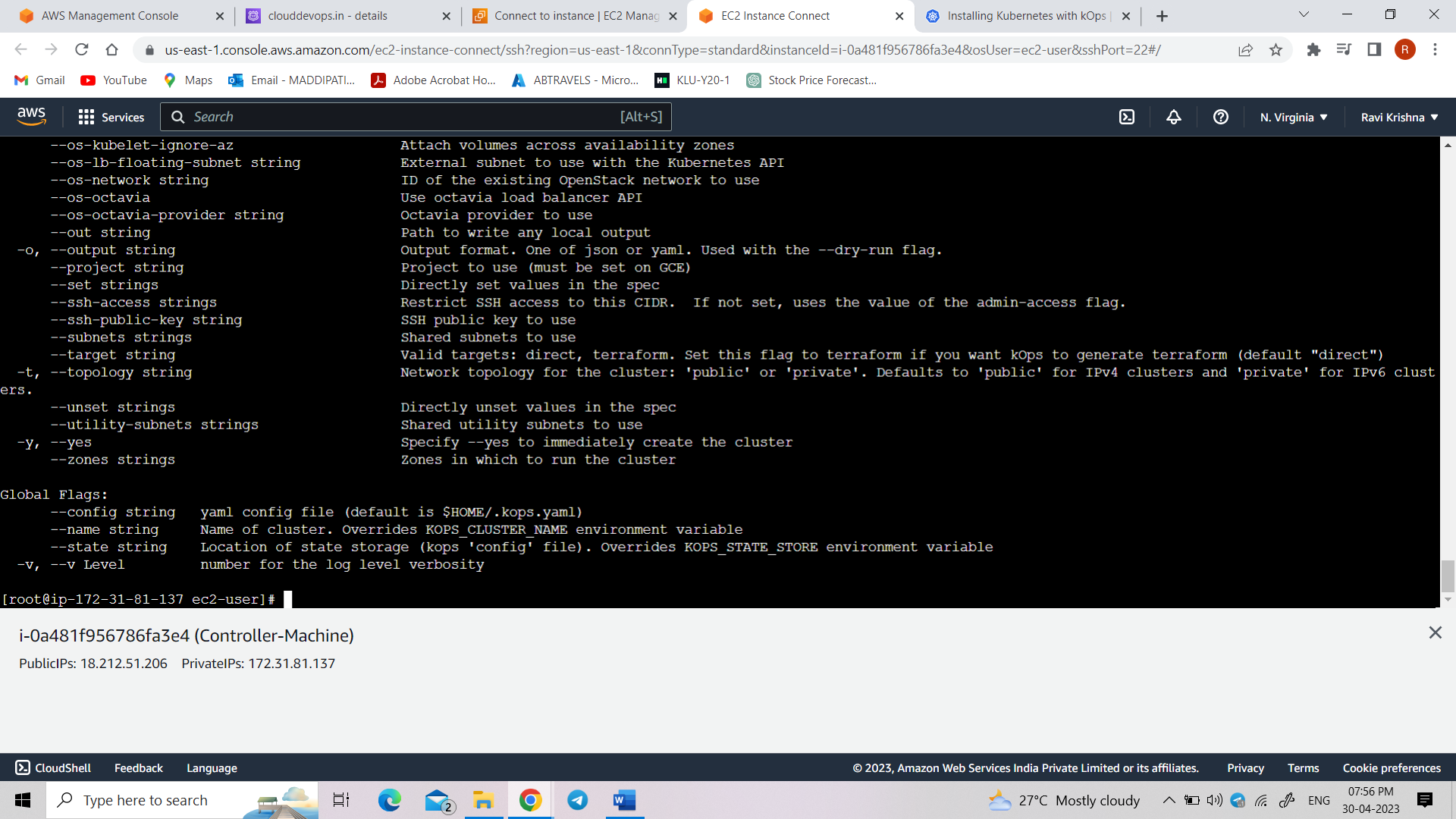




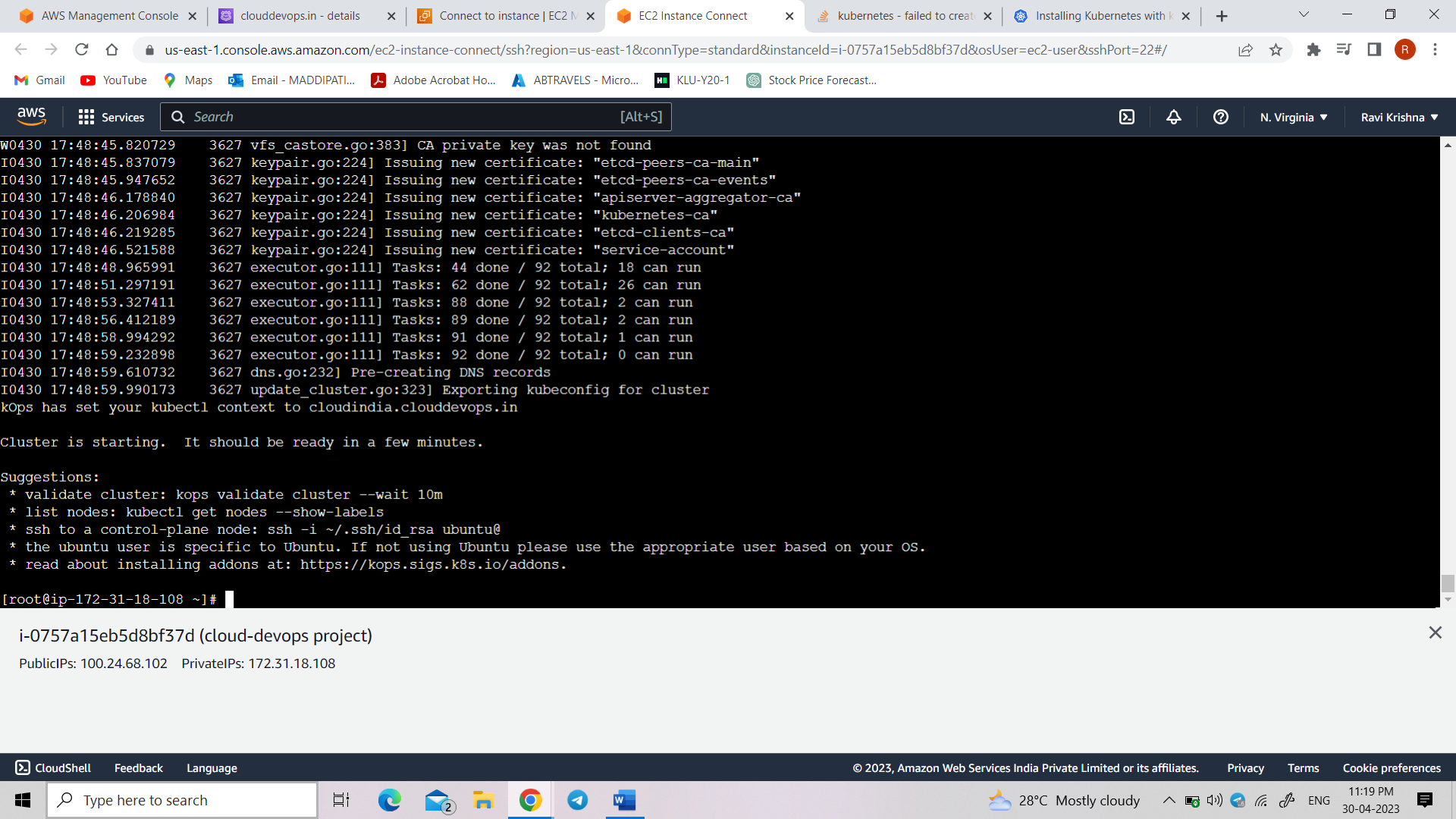
Now create s3 bucket using

“Create the S3 bucket using aws s3 mb s3://clusters.dev.clouddevops.in”

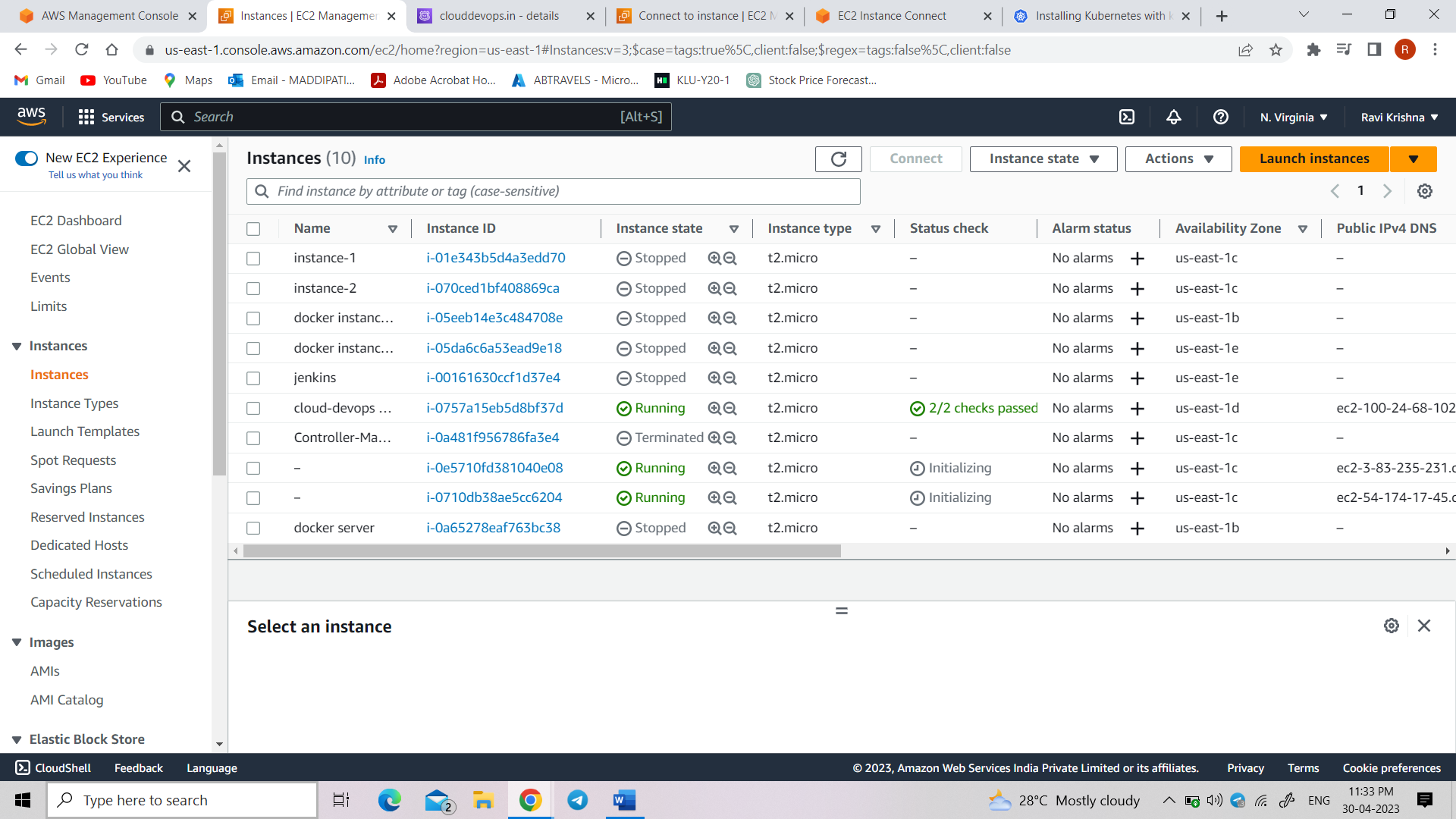


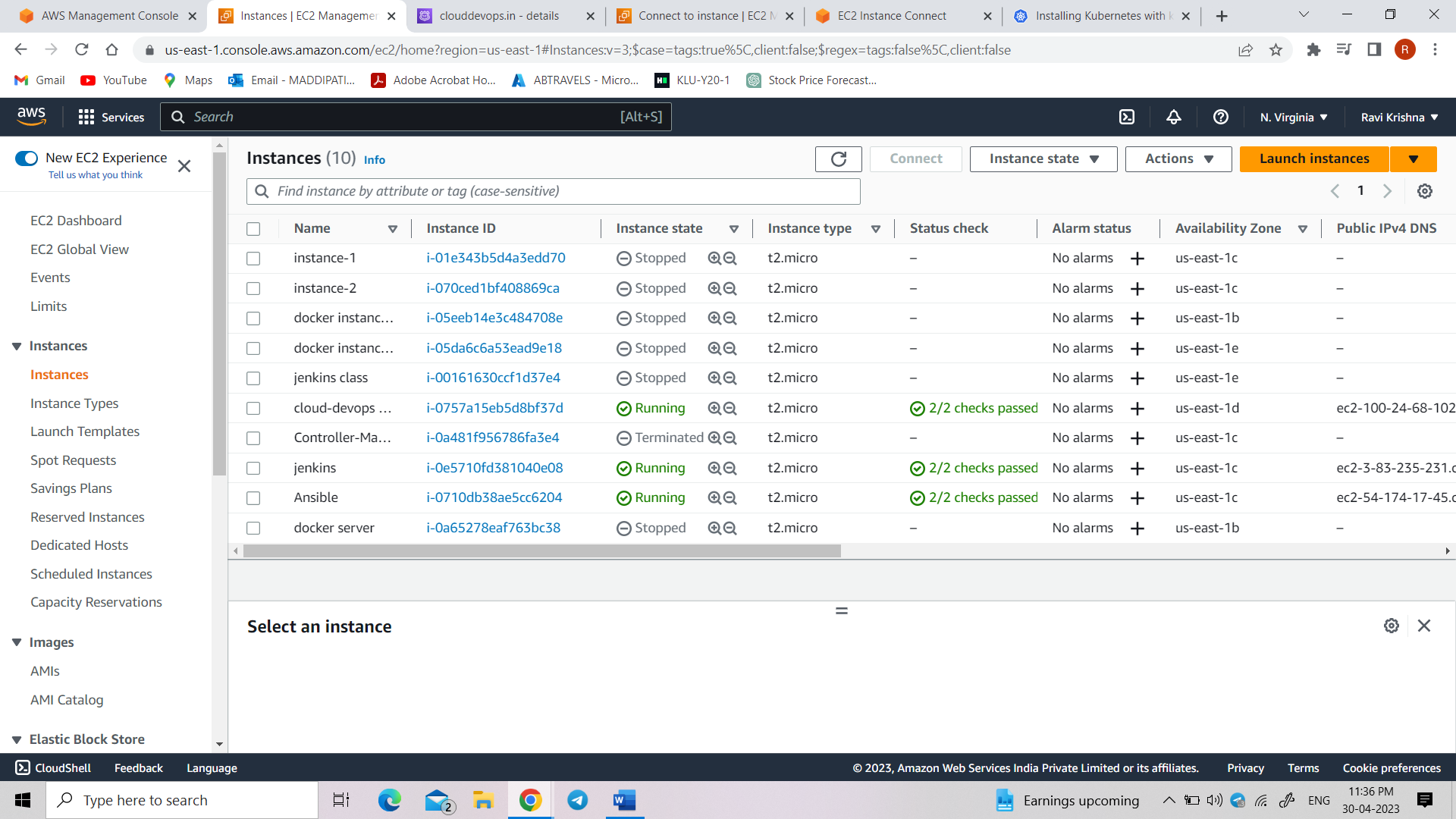


“kops create cluster --cloud=aws --zones=us-east-1 --name=clusters.clouddevops.in --dns-zone=clouddevops.in --dns private”

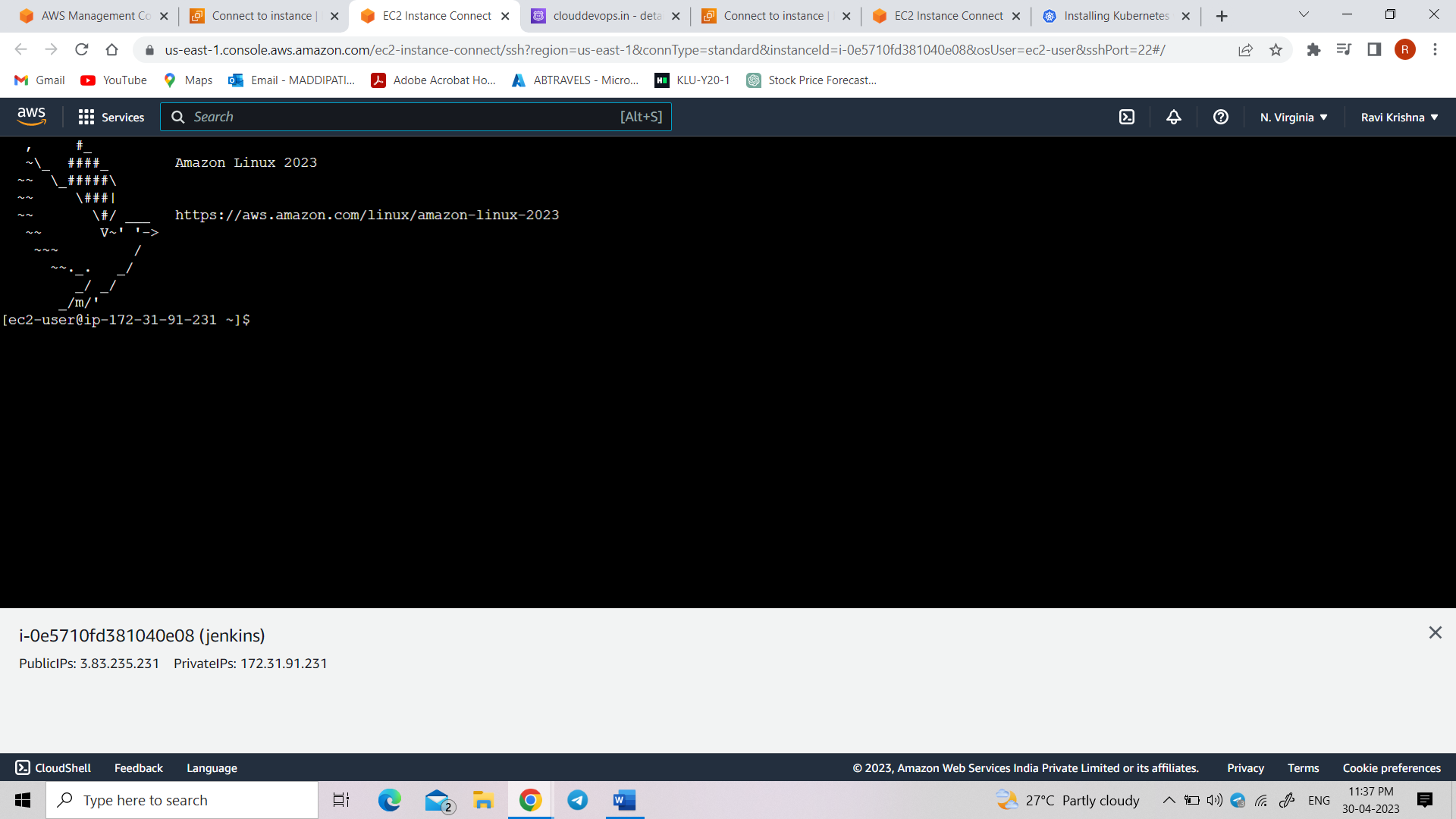


Now create 2 instances

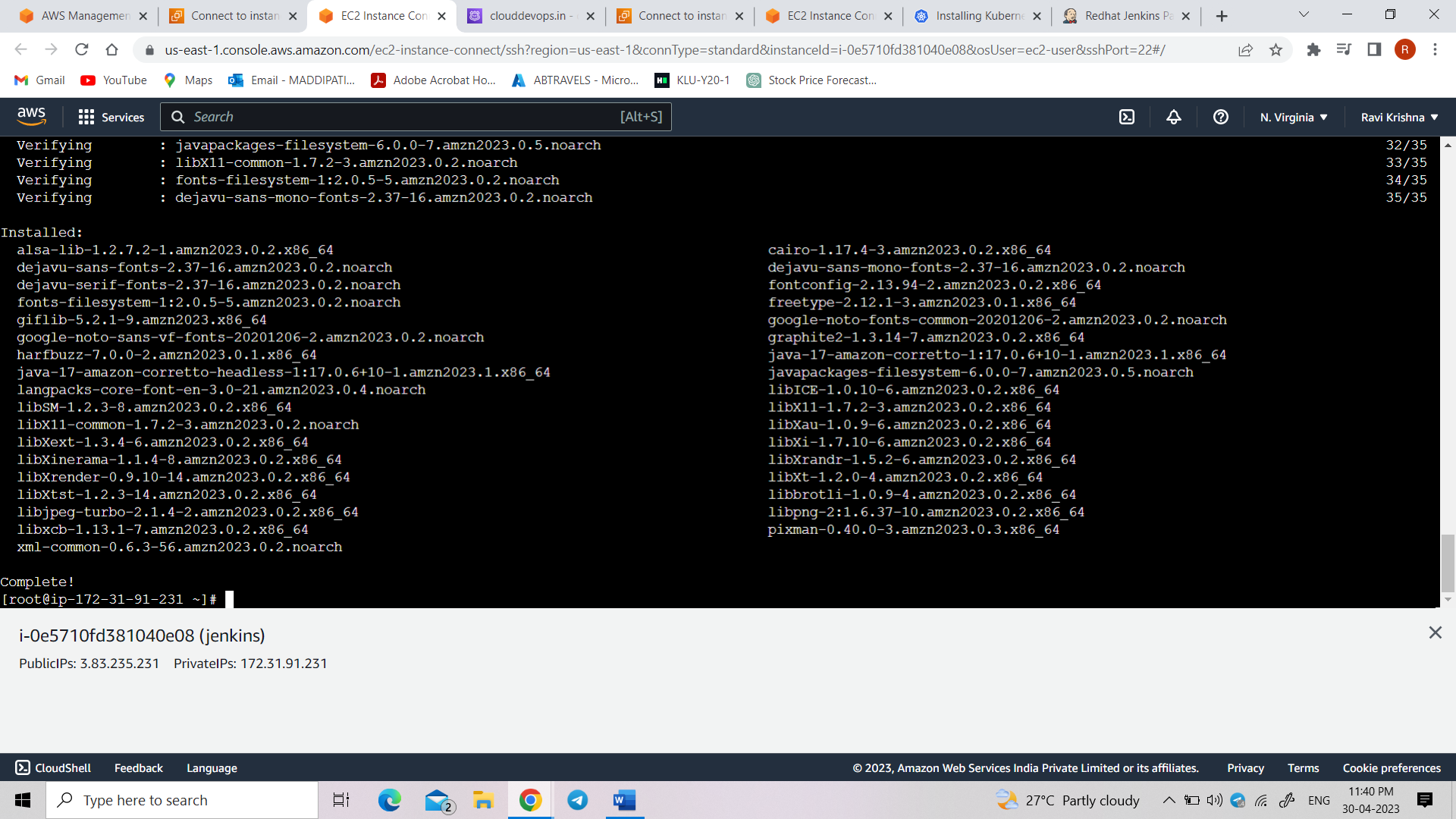




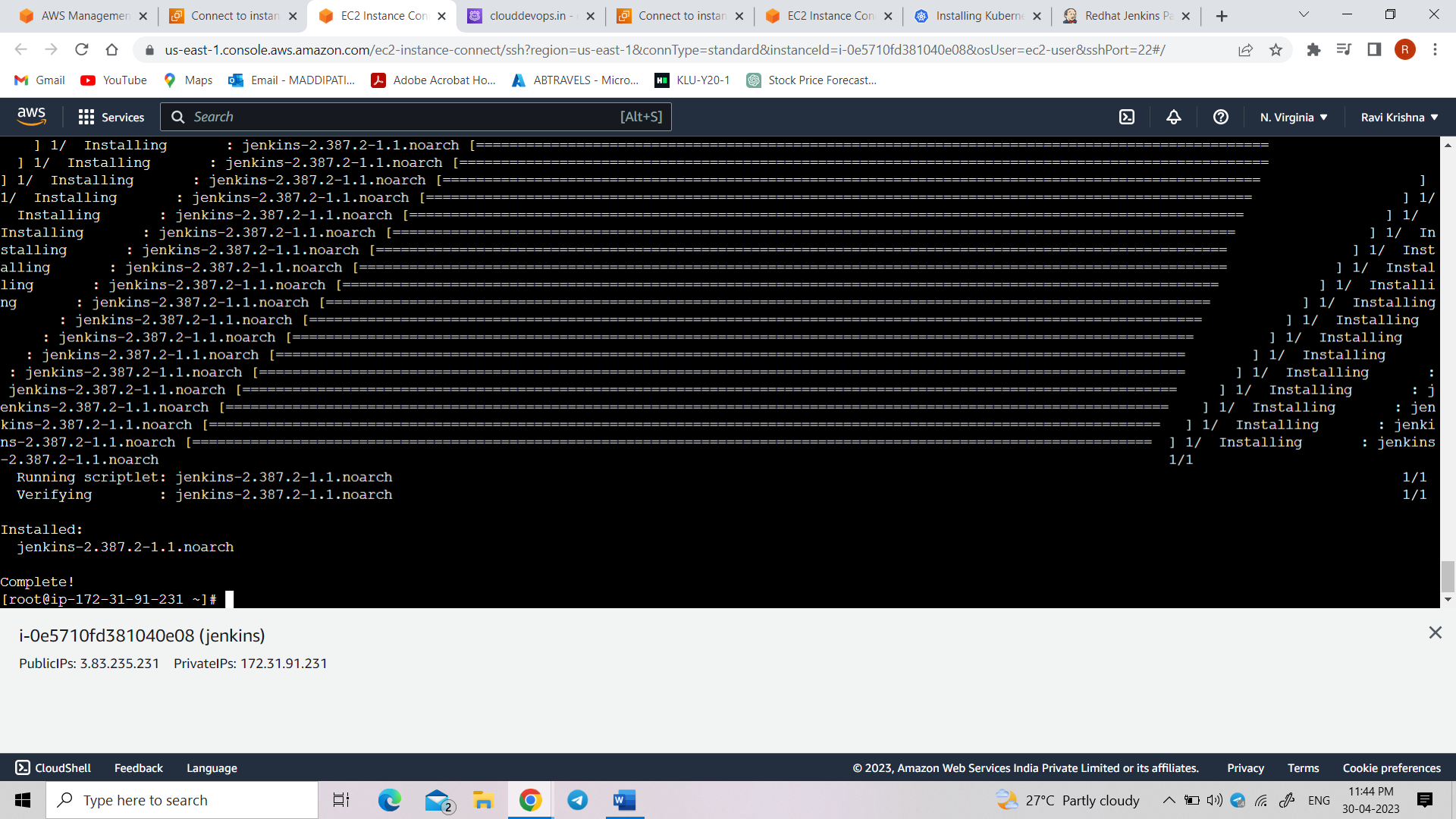
Connect to the Jenkins instance



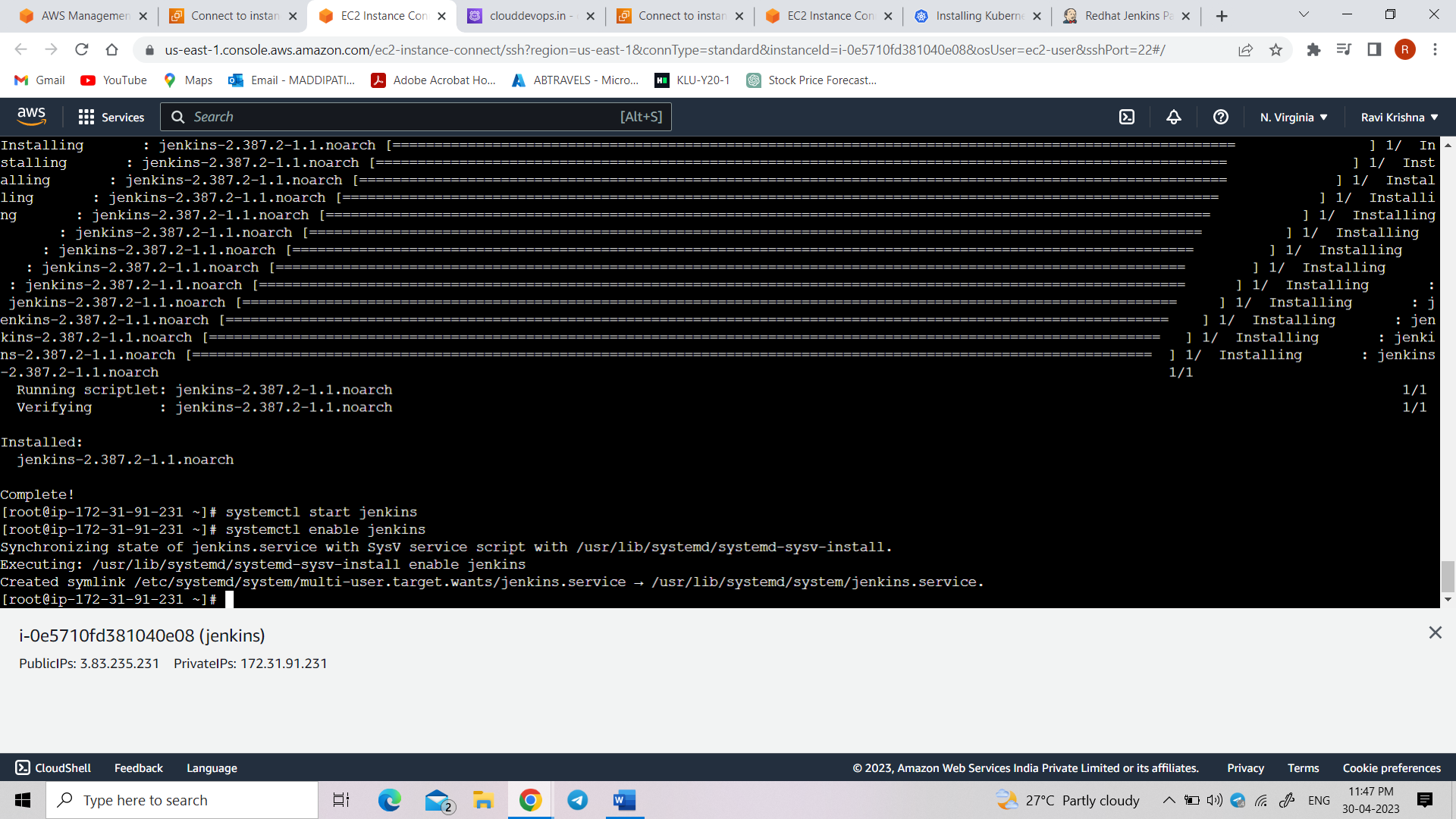
Install java in Jenkins using “yum install java”



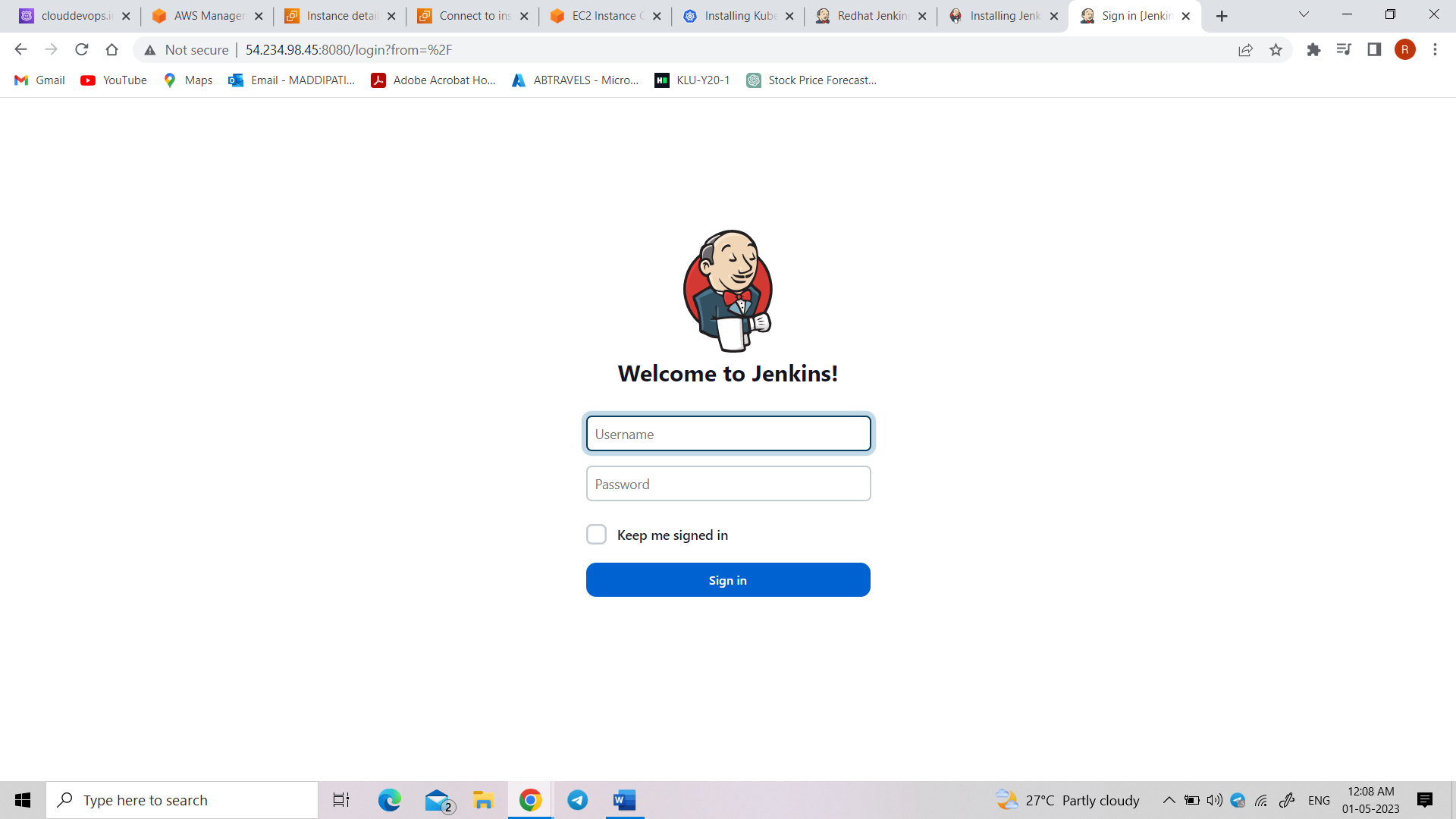
Install Jenkins using “yum install Jenkins”



Now type systemctl start jenkins, systemctl enable jenkins



Open Jenkins



In manage Jenkins go to available and type ssh and select it

