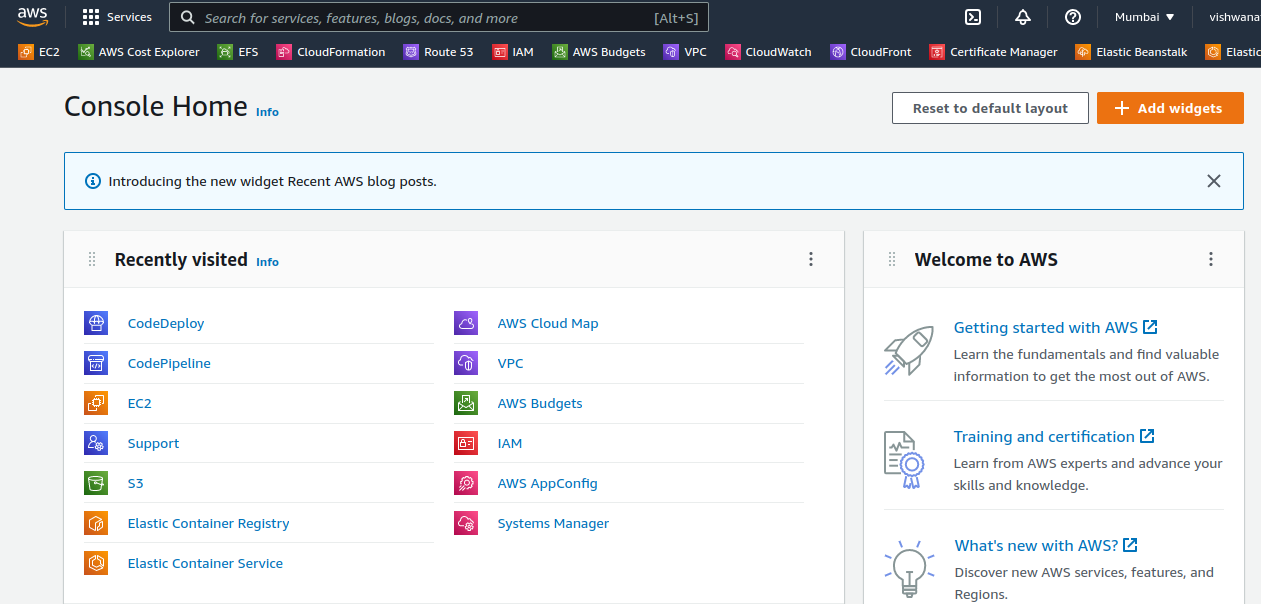
**AWS DEVELOPER TOOLS BLUE/GREEN DEPLOYMENT**

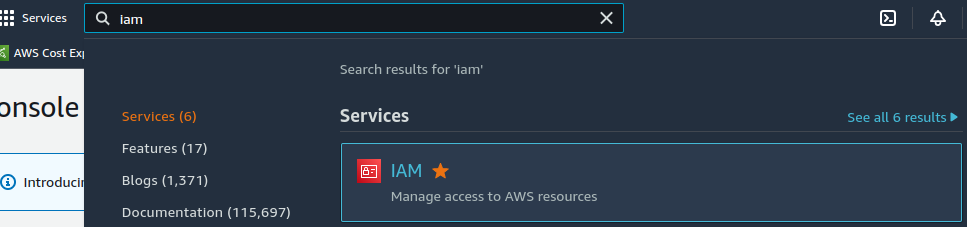
#Open AWS Management Console



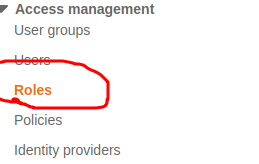
#Search IAM Service

Create Two IAM Role for EC2 Instance & Codedeploy Role

Open IAM Service

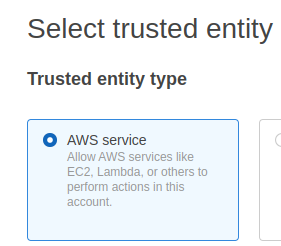


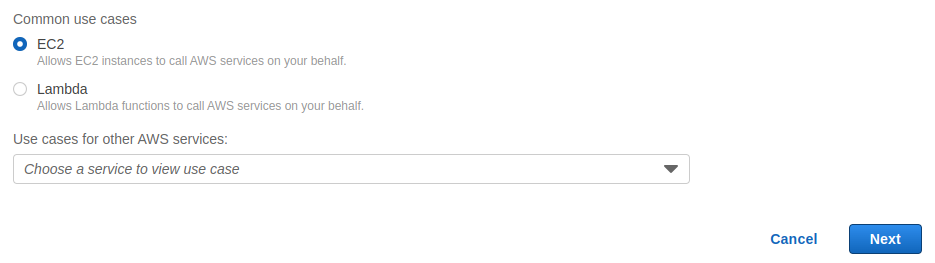
Choose Role



Create Role







Select Policy

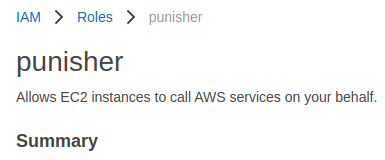


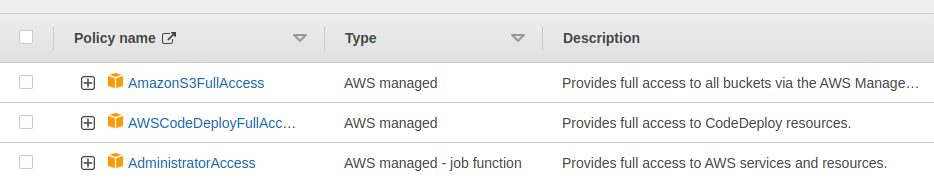






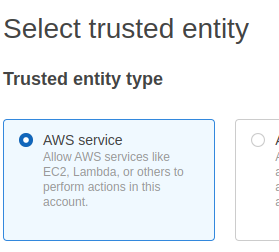
Created Role Punisher with Attached Policy





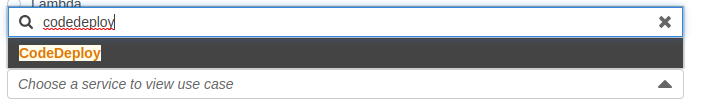
Create Another Role For CodeDeploy

Create Role

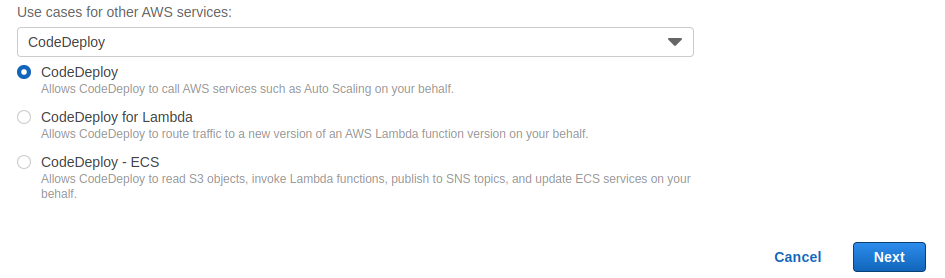




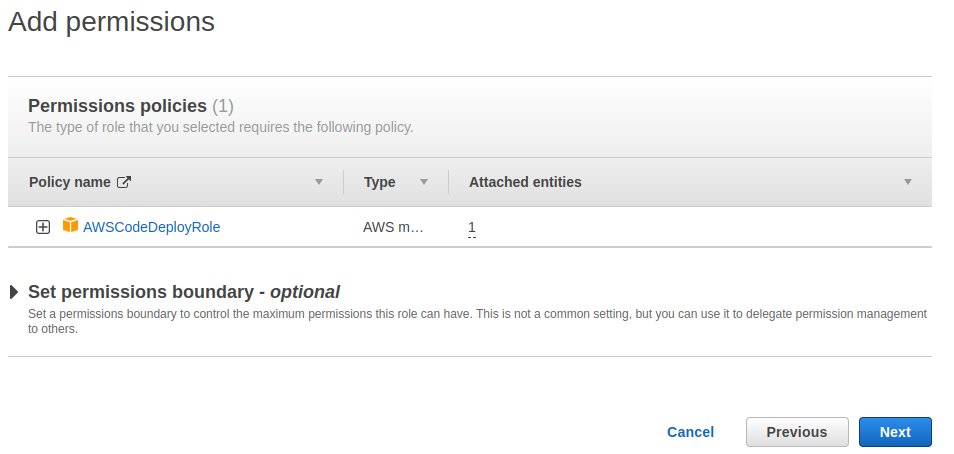
Choose CodeDeploy



Select CodeDeploy



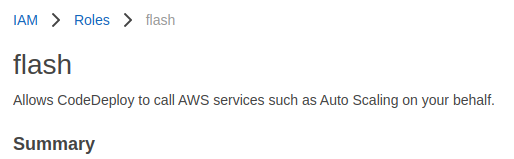
Add permission

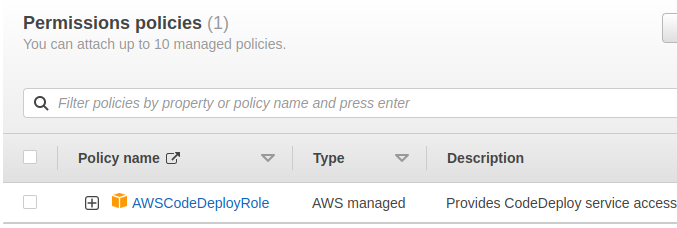


Save Role Name

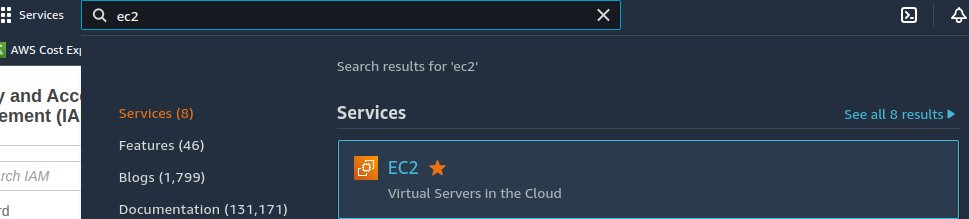
Create Role

Create Role Flash

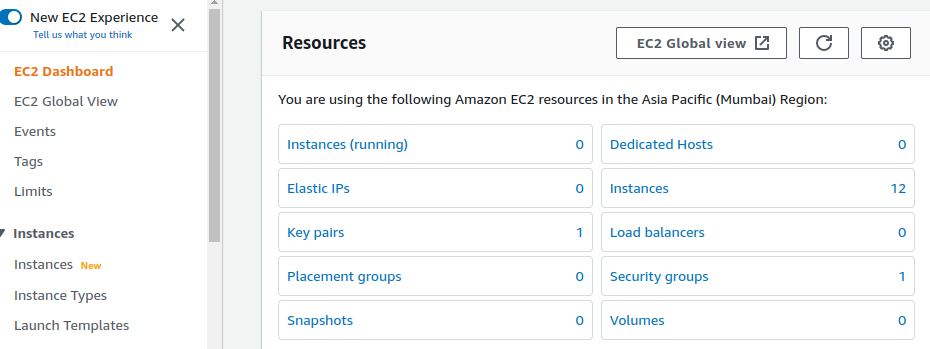




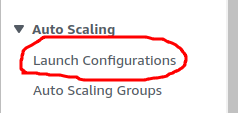
Search EC2 Service on AWS Management Console



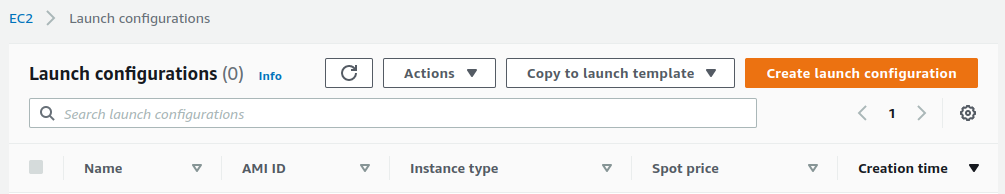
Open EC2 Service



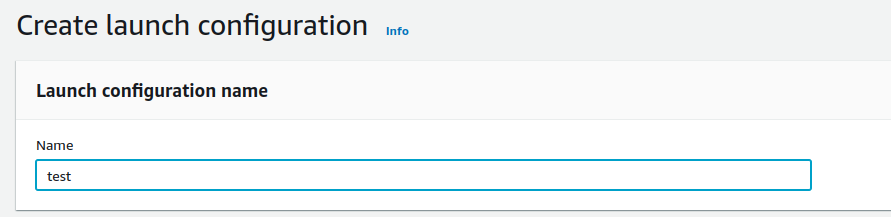
Create Auto Scaling



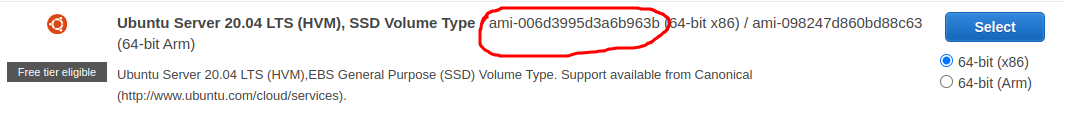
Open Launch Configuration



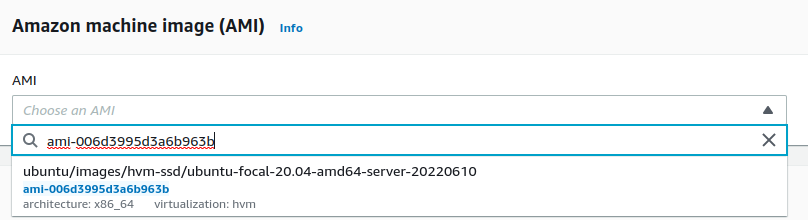
Create Launch Configuration



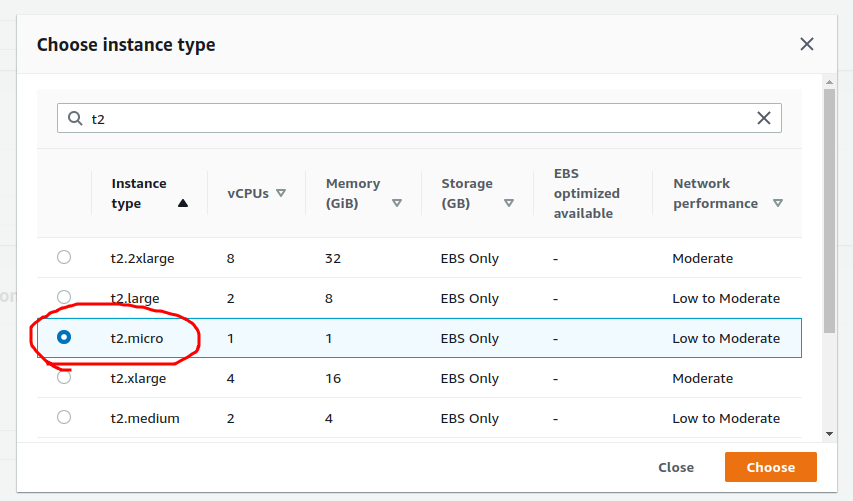
Copy Server AMI-Id & Paste Here



Paste Here



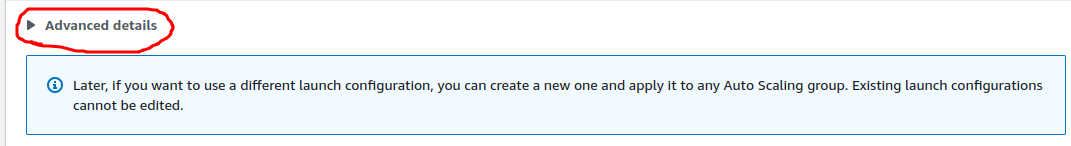
Choose Instance Type



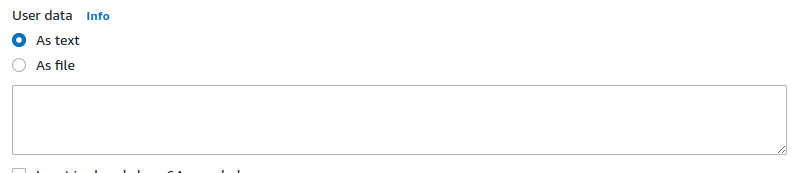
Select IAM Role Which You Created



Open Advanced details



Add user data



Add this Script

#!/bin/bash -xe

apt update -y

apt install apache2 -y

cd /var/www/html/

rm -rf index.html

echo 'Hello' >> /var/www/html/index.html

systemctl restart apache2

apt-get update

apt-get install -y ruby

wget https://aws-codedeploy-ap-south-1.s3.amazonaws.com/releases/codedeploy-agent\_1.0-1.1597\_all.deb

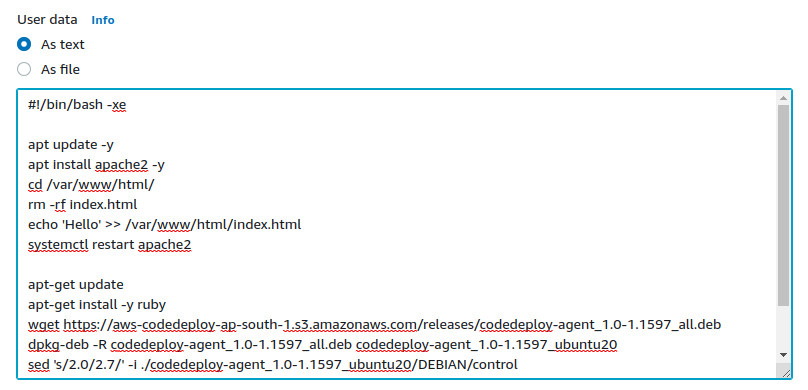
dpkg-deb -R codedeploy-agent\_1.0-1.1597\_all.deb codedeploy-agent\_1.0-1.1597\_ubuntu20

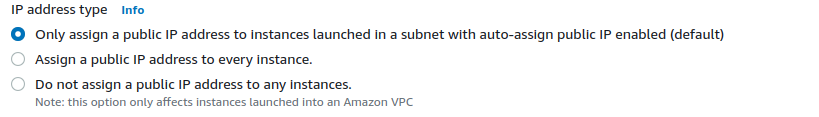
sed 's/2.0/2.7/' -i ./codedeploy-agent\_1.0-1.1597\_ubuntu20/DEBIAN/control

dpkg-deb -b codedeploy-agent\_1.0-1.1597\_ubuntu20

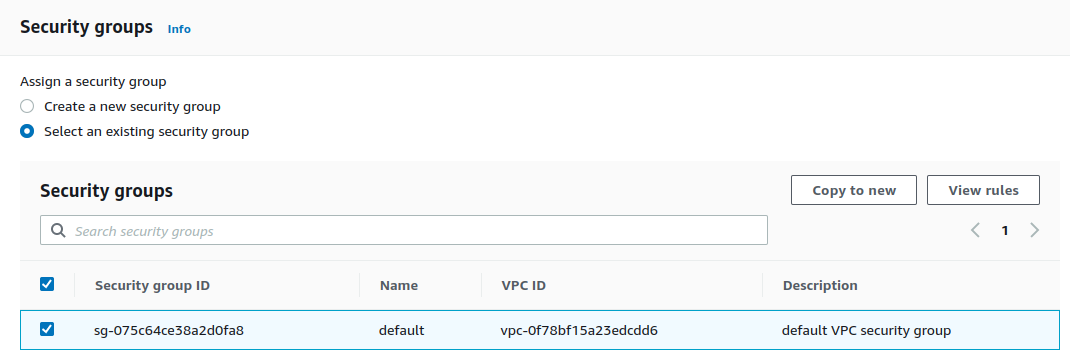
dpkg -i codedeploy-agent\_1.0-1.1597\_ubuntu20.deb

systemctl start codedeploy-agent

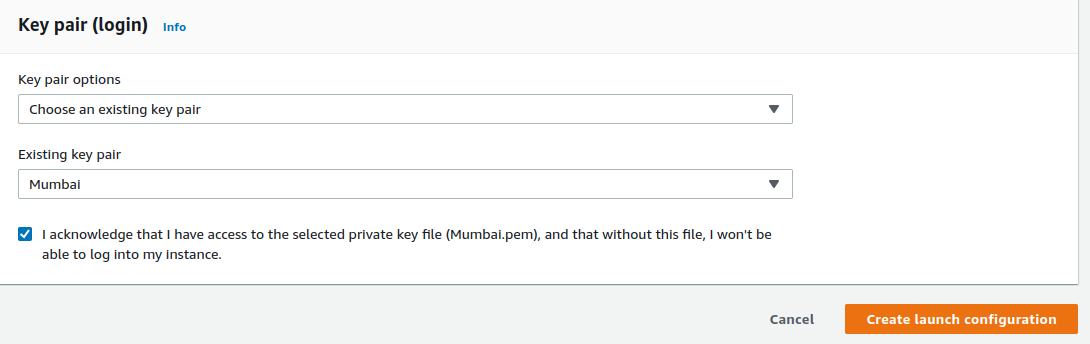




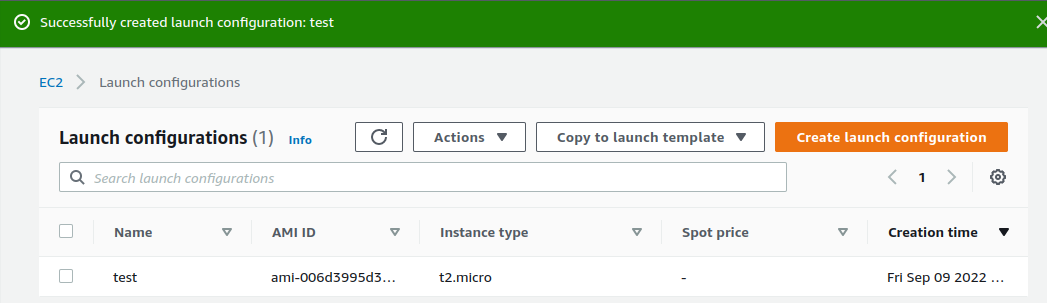
Select Security Group



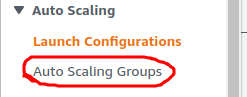
Choose Keys



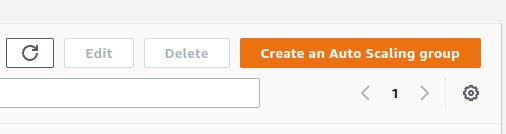
Launch Configuration Created

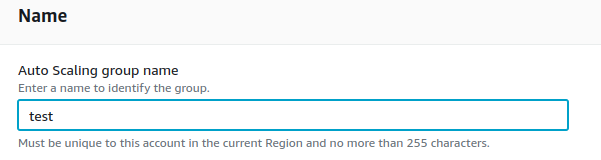


Open Auto Scaling Group



Create Auto Scaling Group

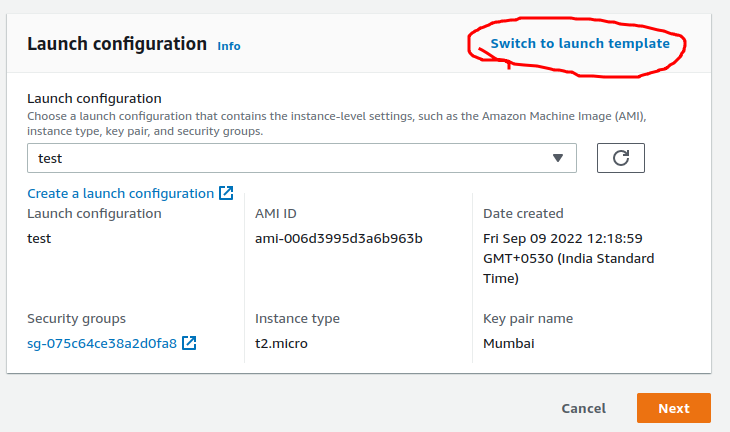




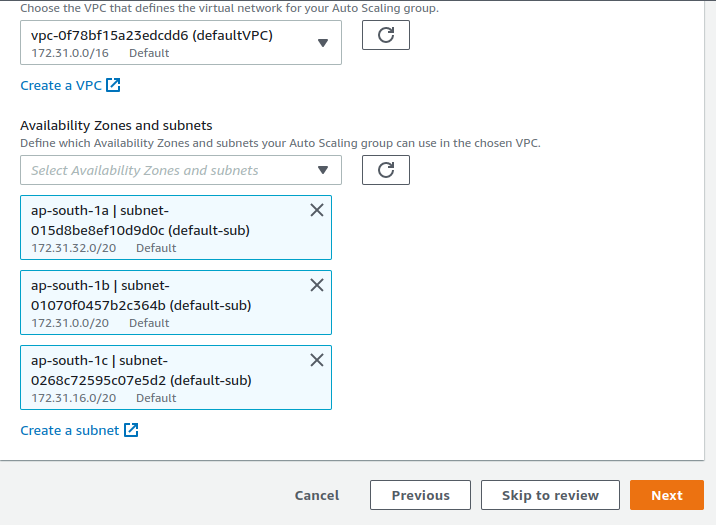
Switch to Launch Configuration

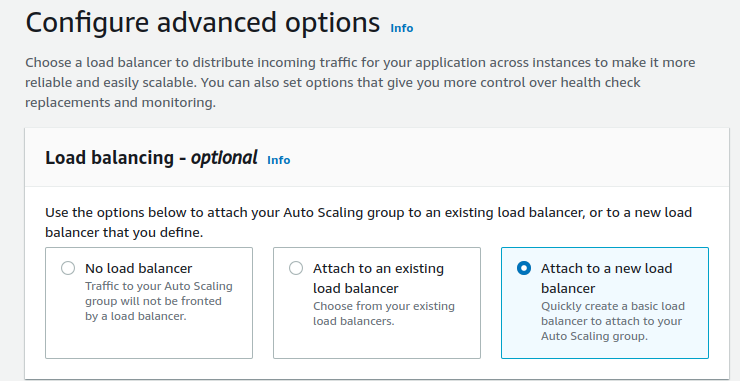


Choose Launch Configuraion Name

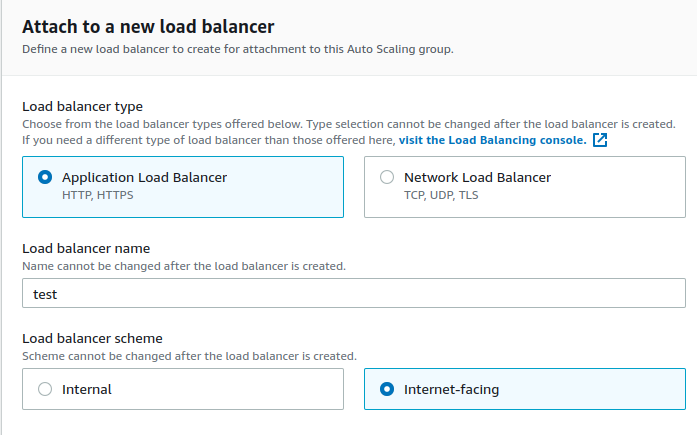


Choose vpc Subnet

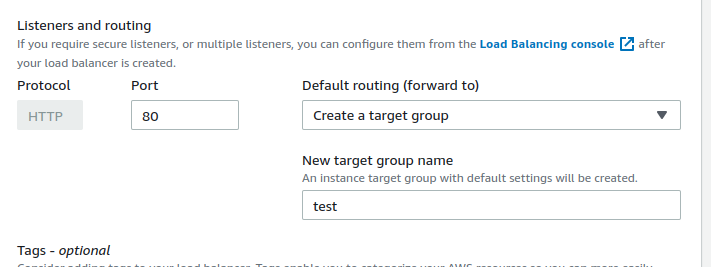




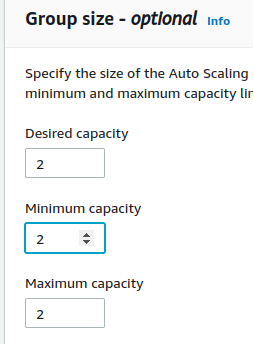
Attach Load Balancer

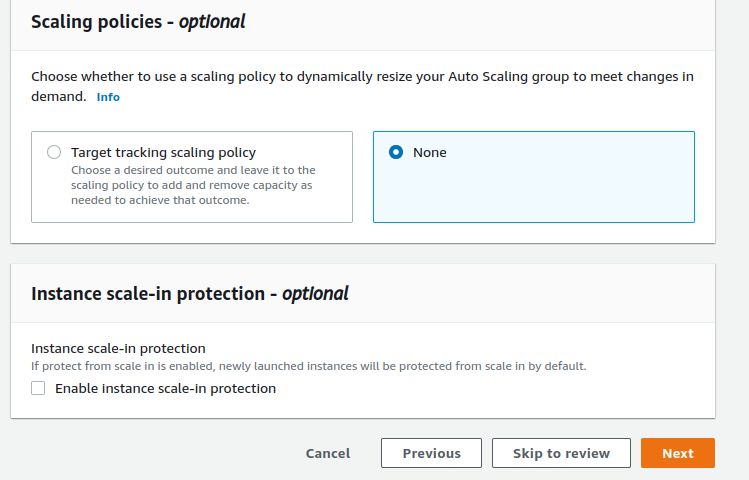


Add Target Group

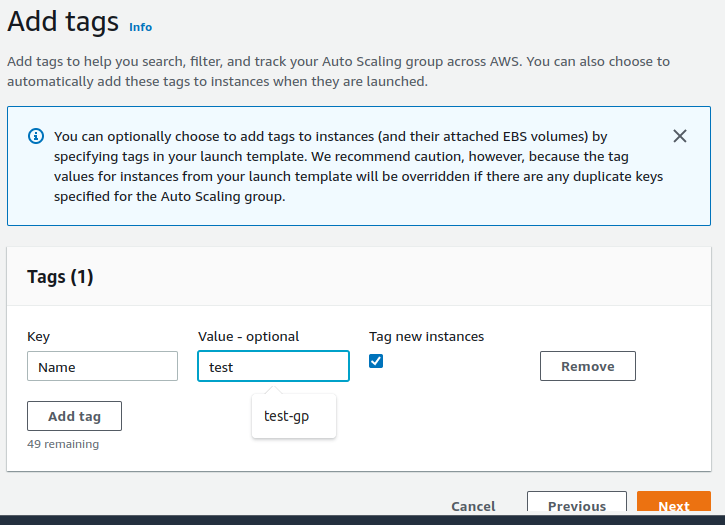






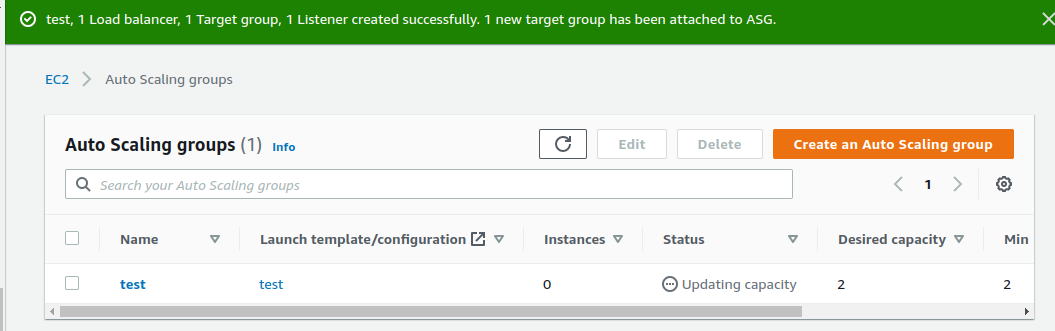


Add Tags

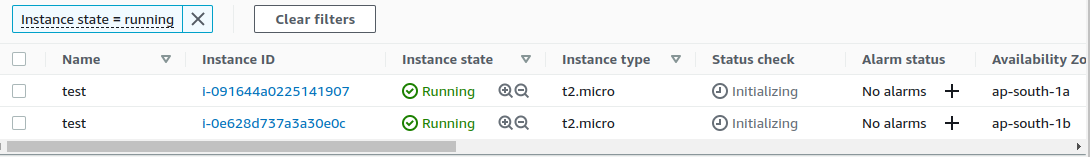


Create Auto Scaling Group



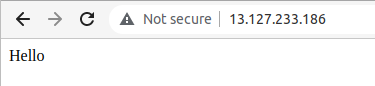


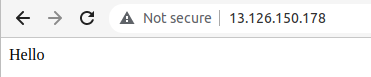
Come into EC2 DashBoard



It Created Two EC2 Instance

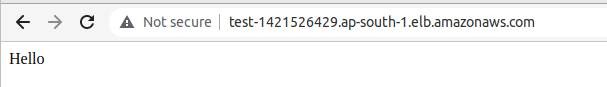
Copy ip and paste on browser both of instance





Copy load balancer DNS url and paste on browser





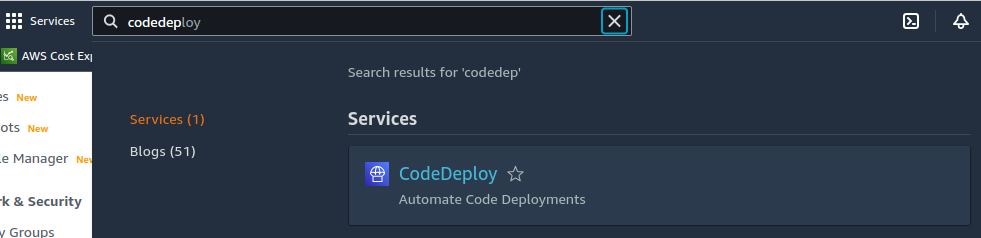
It is our version 1.0 application

<https://github.com/vishwanathacharya/blue-greencicd.git>

In this repository we have application version 1.1

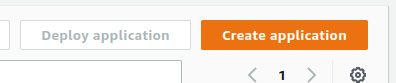
Open AWS Management Console

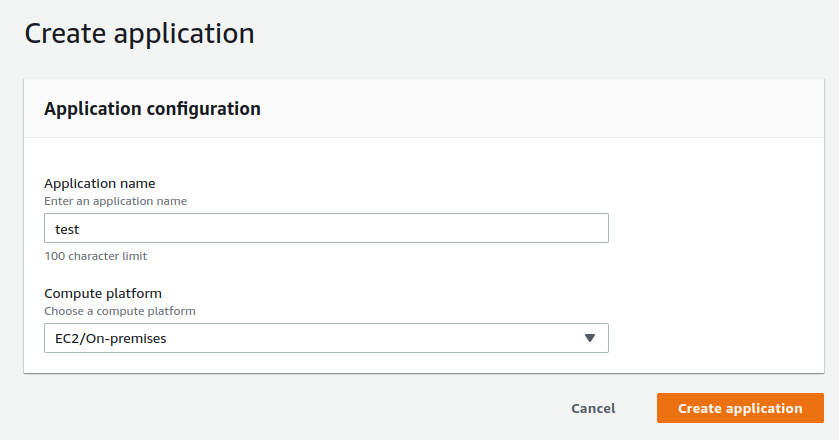
Search CodeDeploy



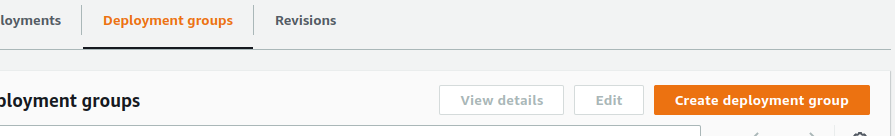
Open code deploy service

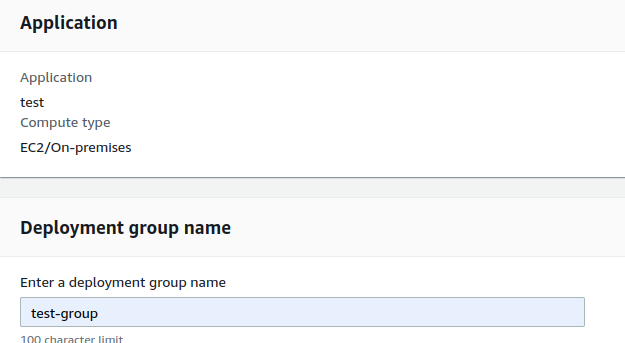
Create Application



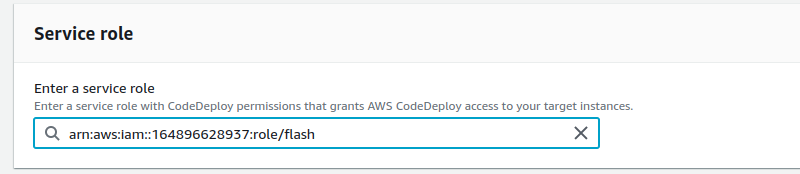


Create Deployment Group

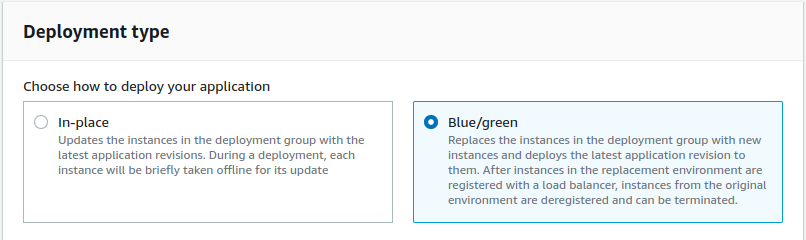


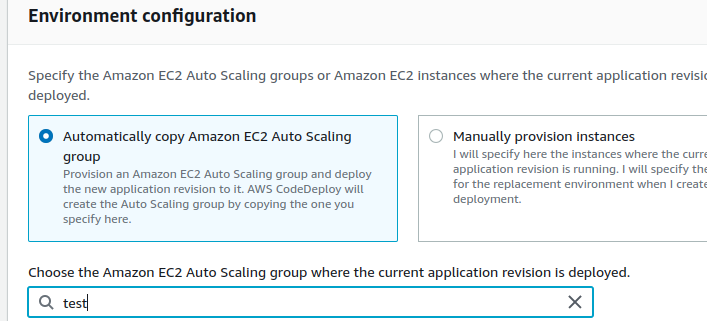


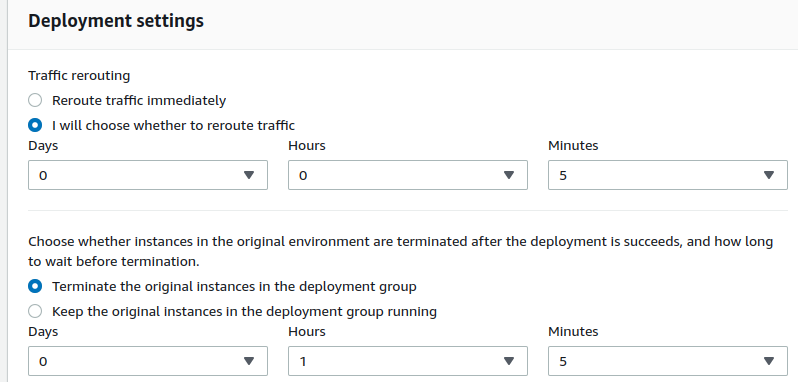
Add service Role For Code Deploy which is you Created

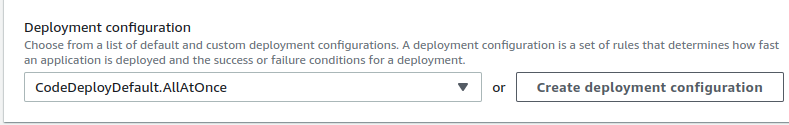


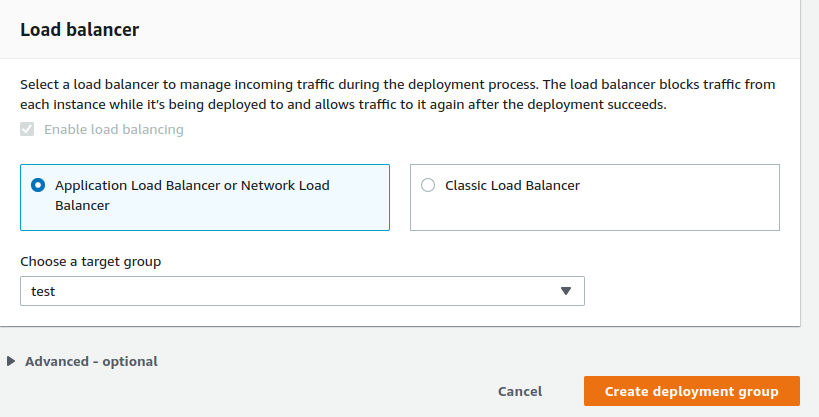
Deployment Type Blue/green

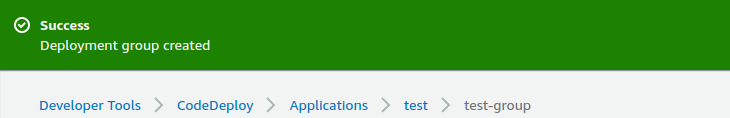




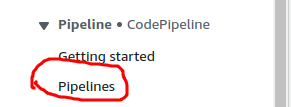




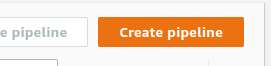




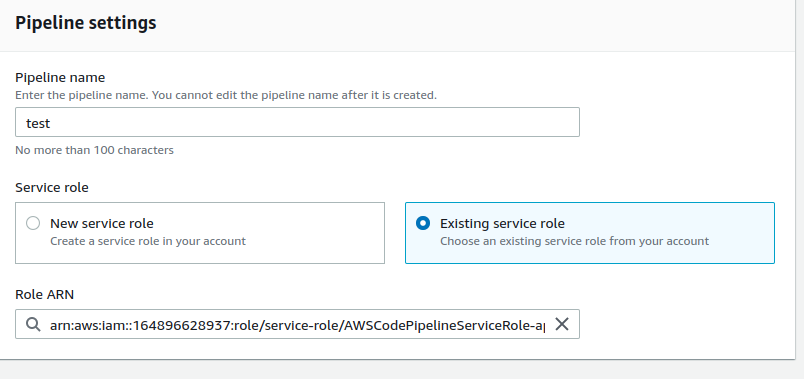
Open Pipeline

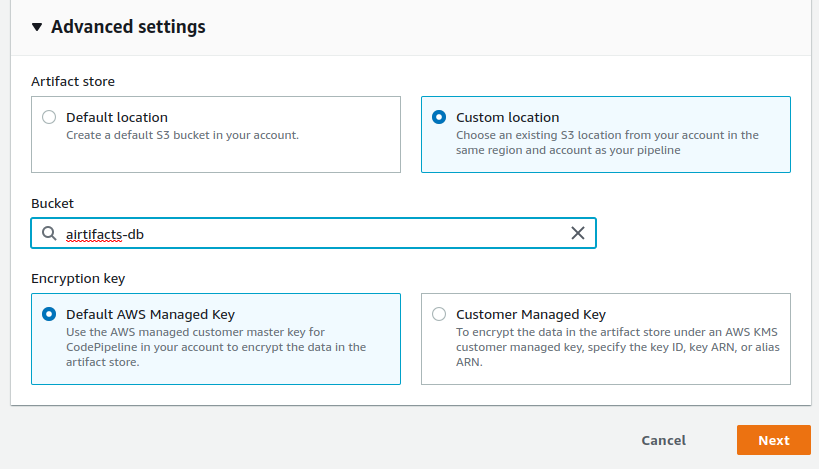


Create Pipeline



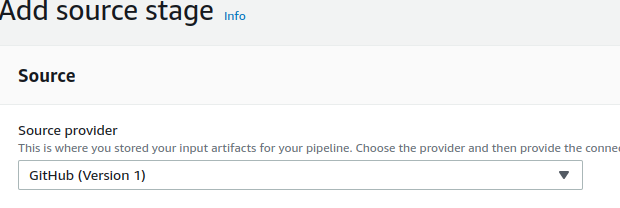
Attach Service or Add Existing Service Role

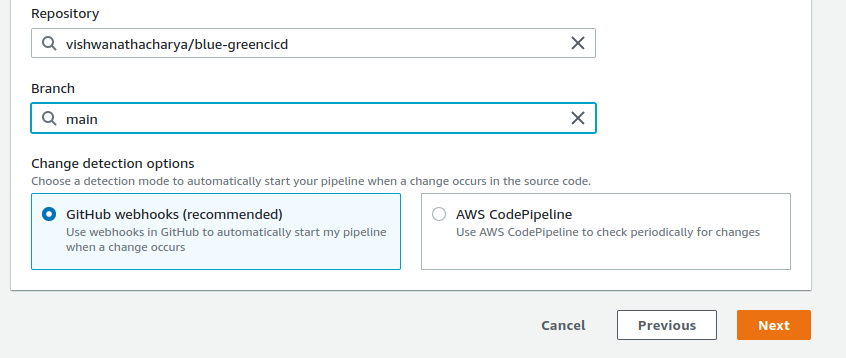


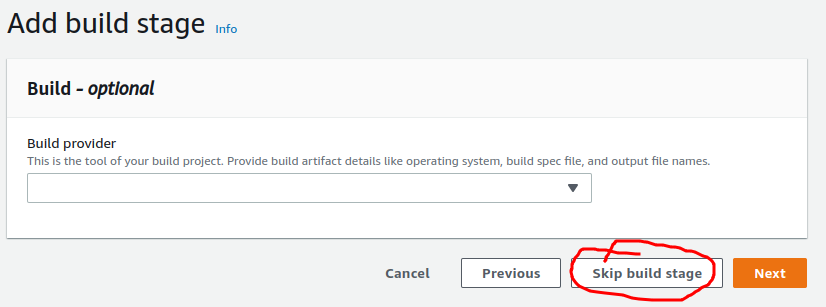


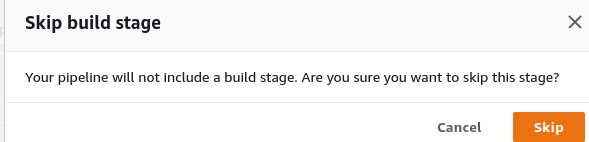
Note Create S3 Bucket to Store Artifacts

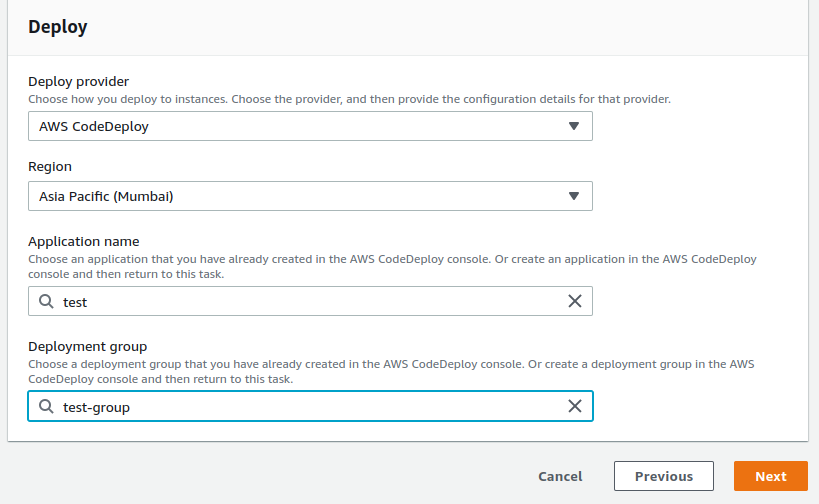
I have already Created



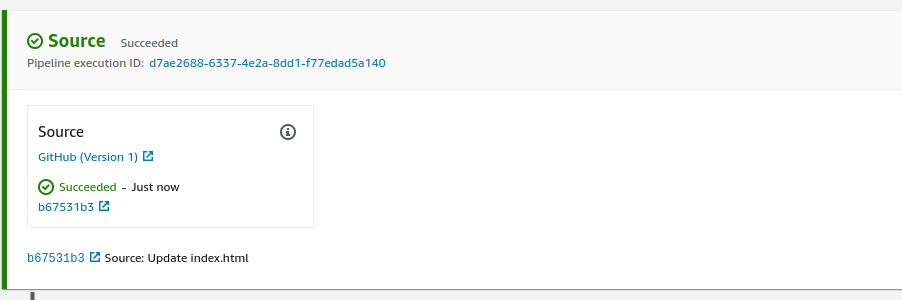




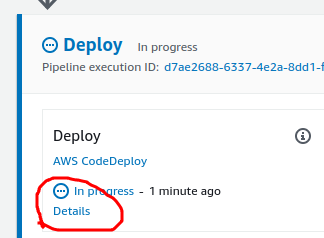


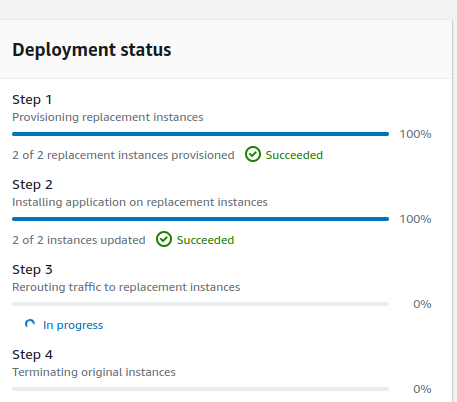


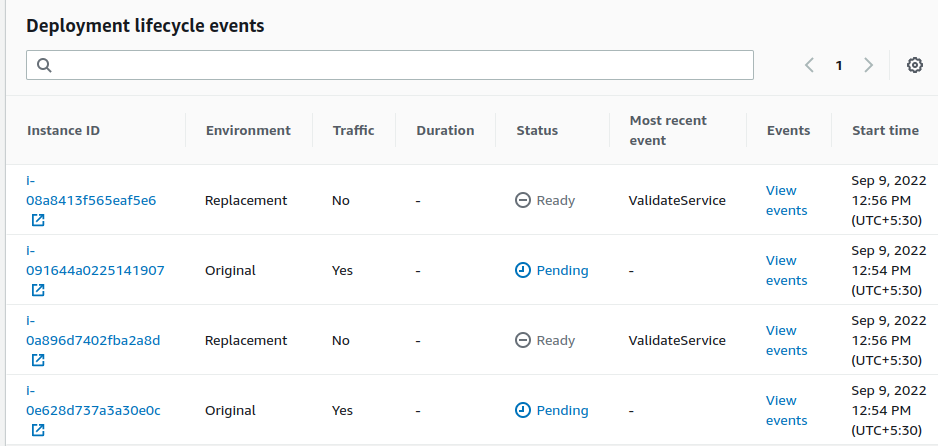




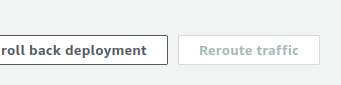
Click on detail



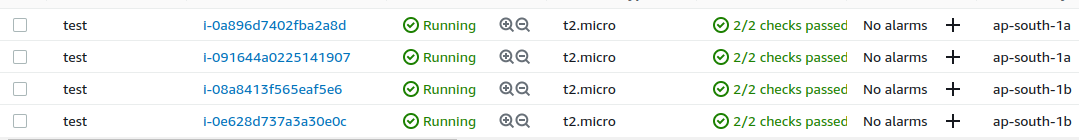




Click on Orange Reroute traffic



Come into ec2



Here created For EC2

Copy Load Balancer DNS On Browser URL

