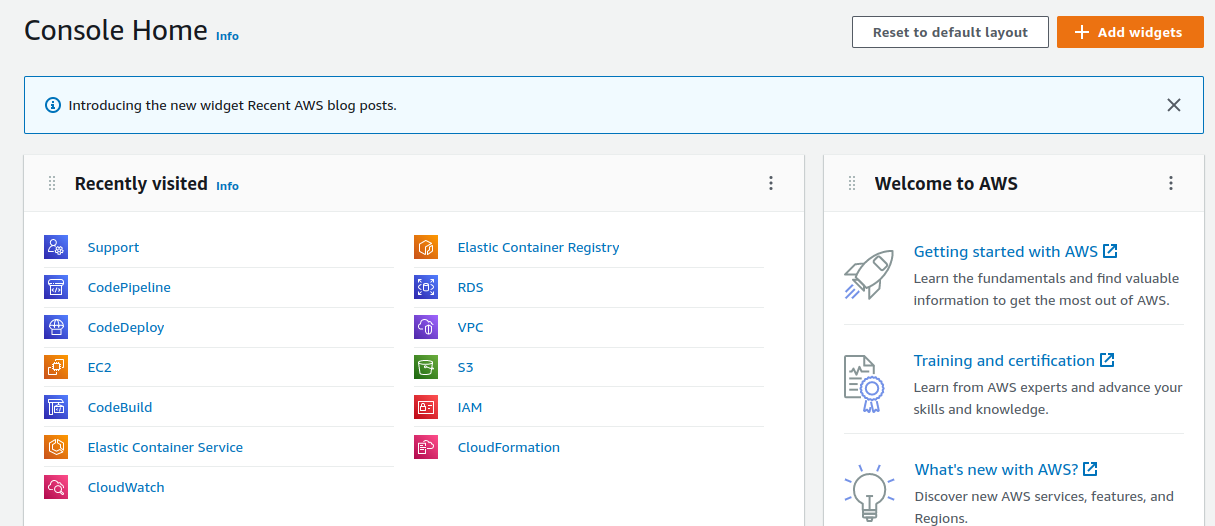
**AWS CICD**

**Deploy Node Application**

**Open AWS Management Console**

****

**Create 2 IAM Role For EC2 & Code Deploy**

**EC2**

Attached Policy

AdministratorAccess

AWSS3FullAccess

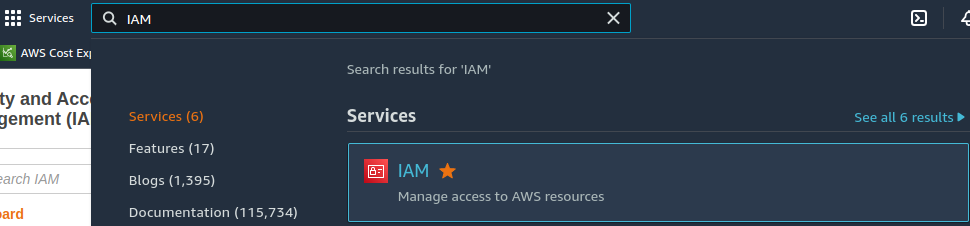
AWSCodeDeploy

**CodeDeploy**

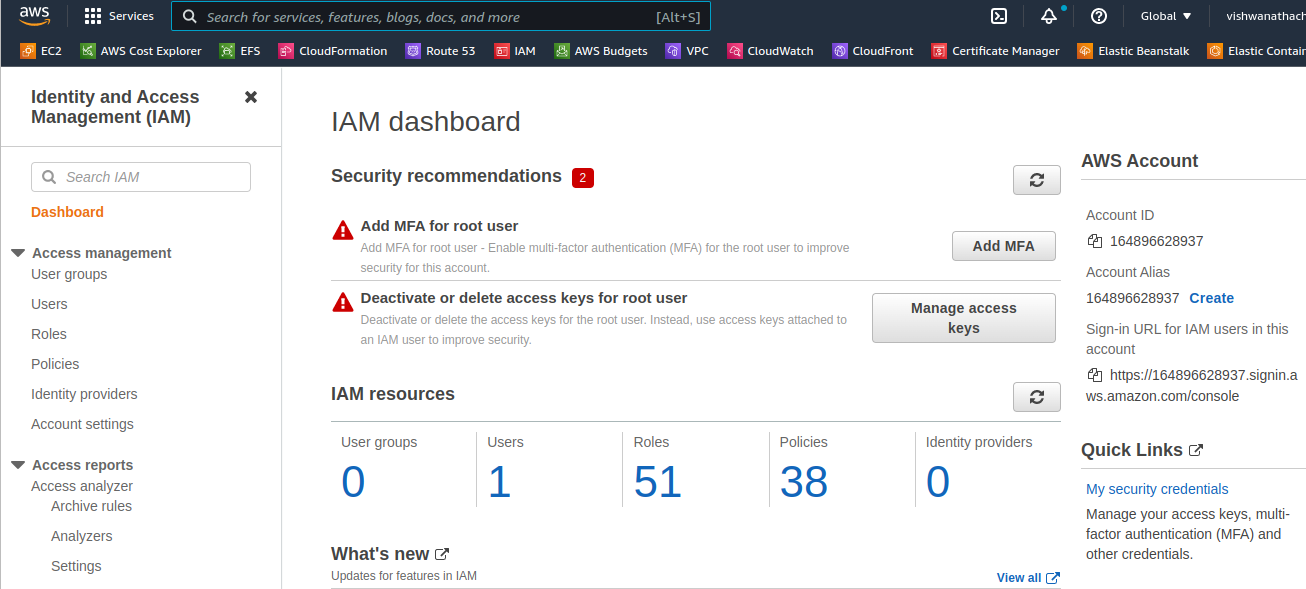
Attached Policy

CodeDeploy

**Open IAM Service**

****

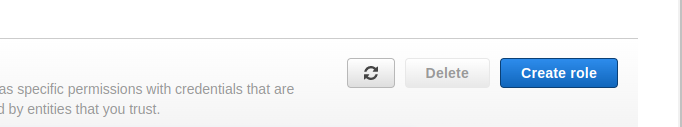
Open IAM Service



Open Role

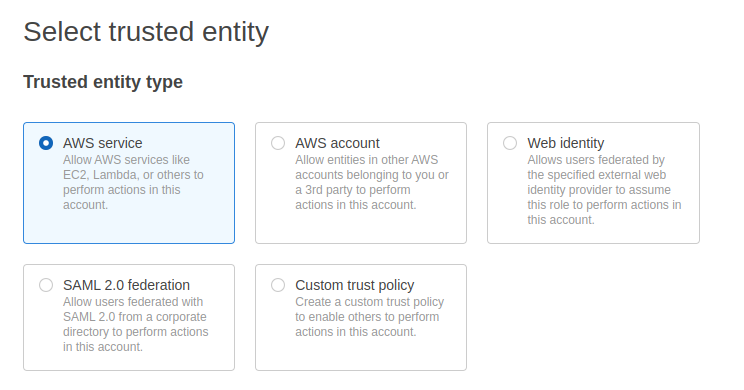


Create Role



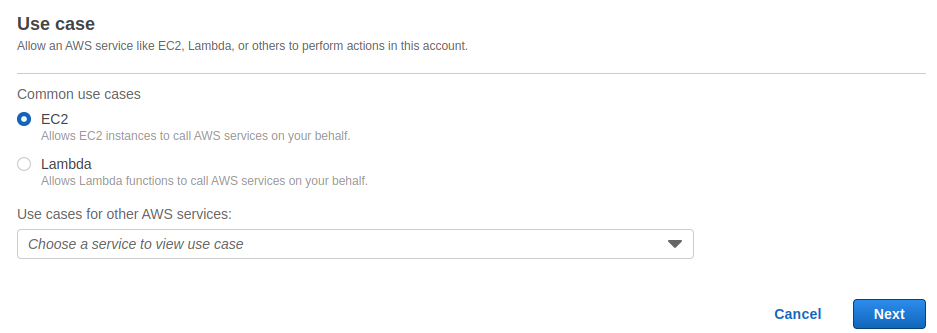
Select trusted entity

## **Trusted entity type**

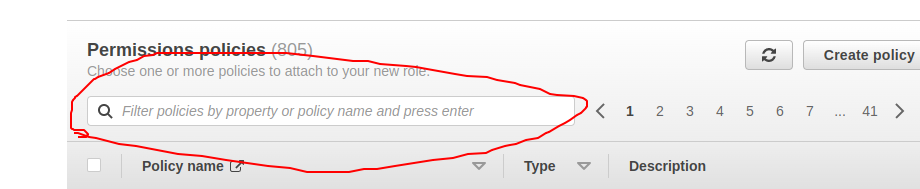
AWS Service

Choose Use Case

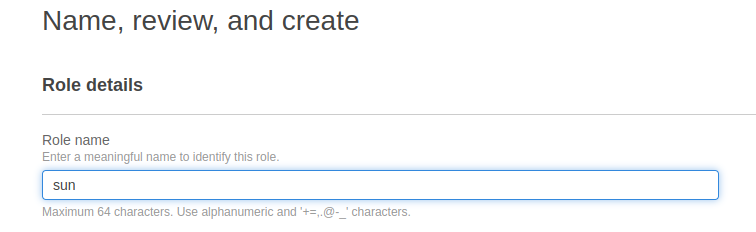
EC2

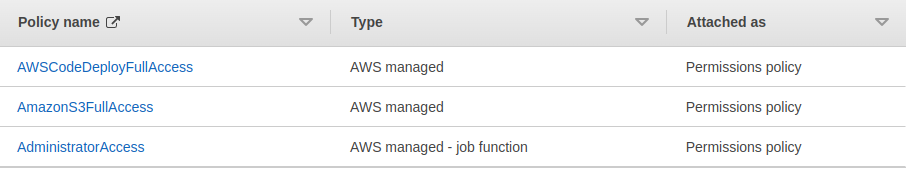


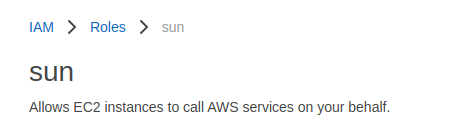
Search Policy You Need 2 Want here

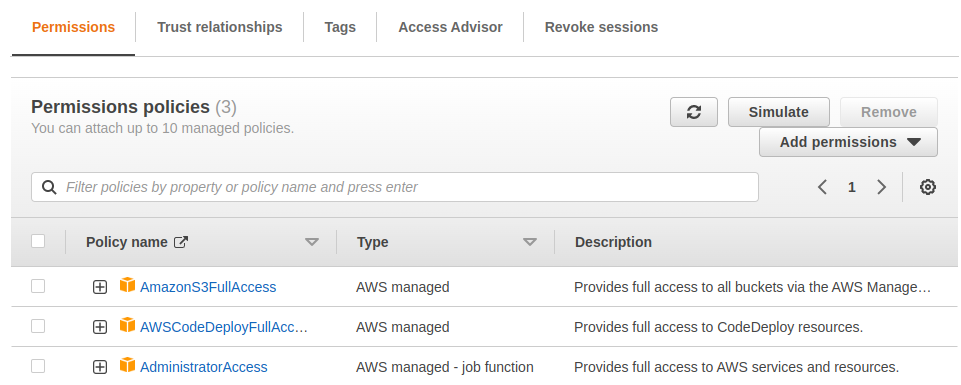


Role Name With Attached Policy

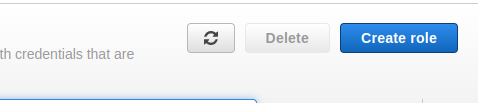






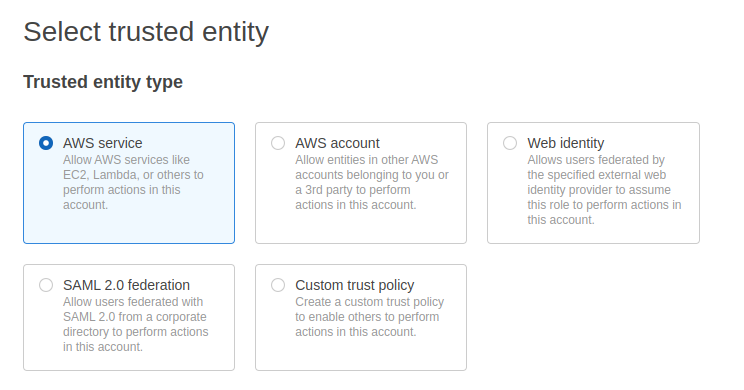


**Create Another Role**

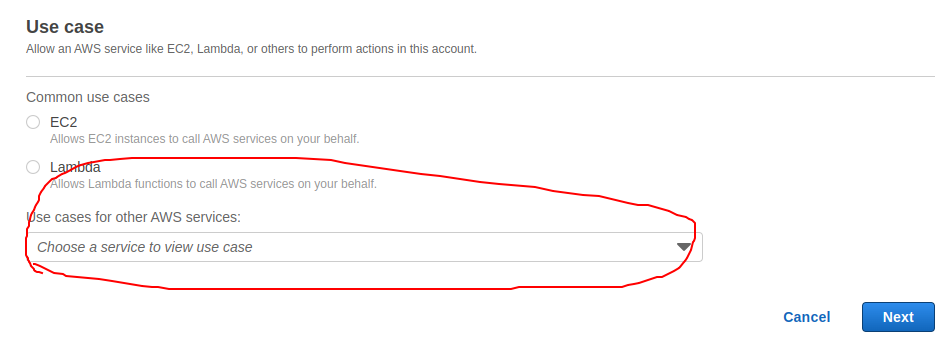
****

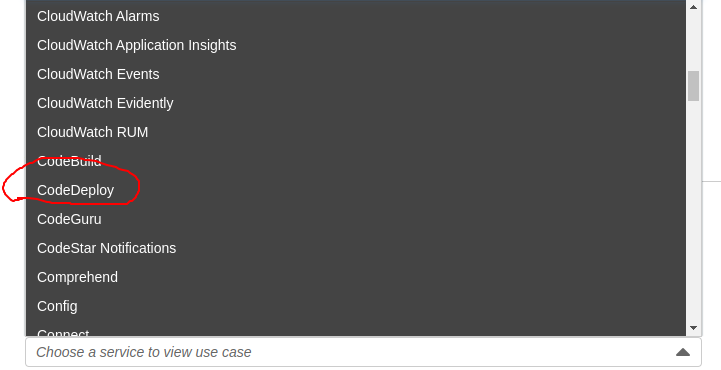
Select trusted entity

## **Trusted entity type**

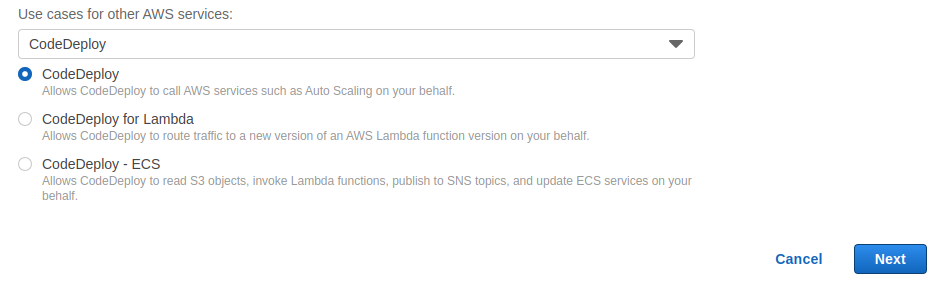


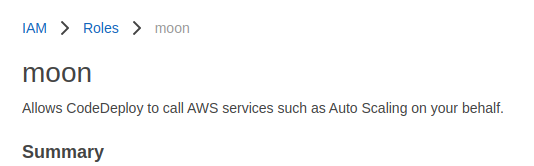
Search Code Deploy

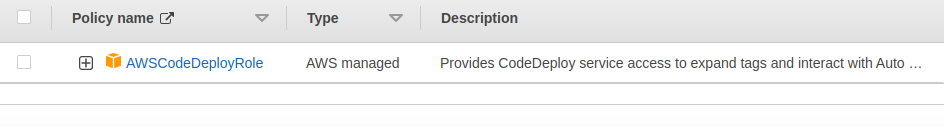




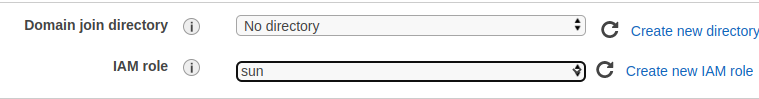
Choose CodeDeploy

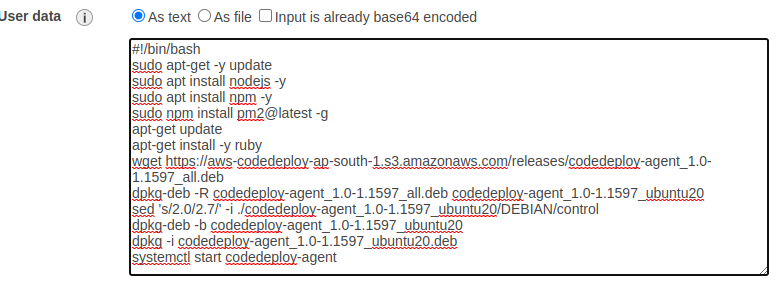






**Create EC2 instance With EC2 Role with Install CodeDeploy Agent with nodejs application with NPM**

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#!/bin/bash

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

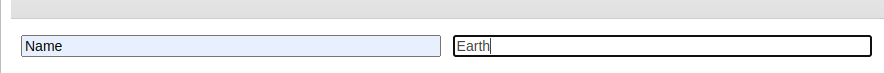
sudo apt-get -y update

sudo apt install nodejs -y

sudo apt install npm -y

sudo npm install pm2@latest -g

**ADD Tag**

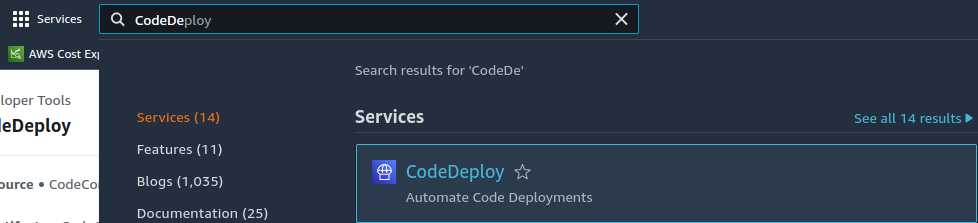


Launch Instance!

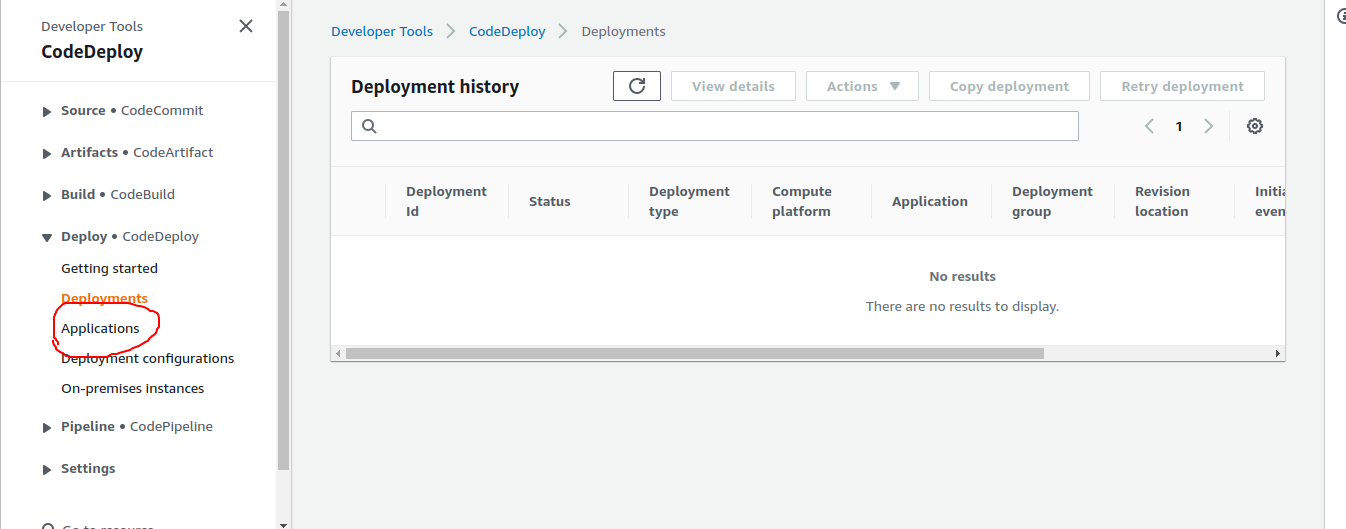
Open Security Group port 3000

<https://github.com/vishwanathacharya/codedeploy-to-ec2-nodejs9.git>

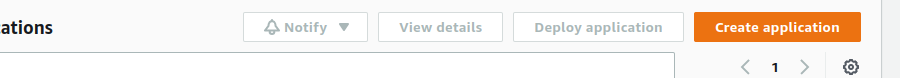
**Go to CodeDeploy Service**

****

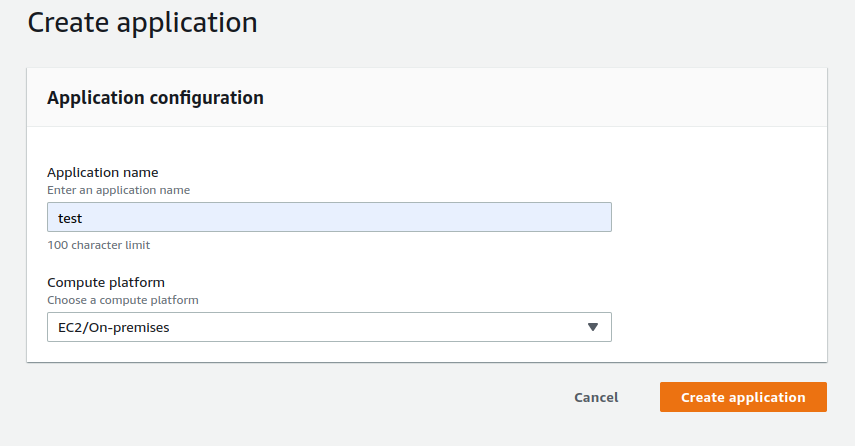
Open CodeDeploy Service



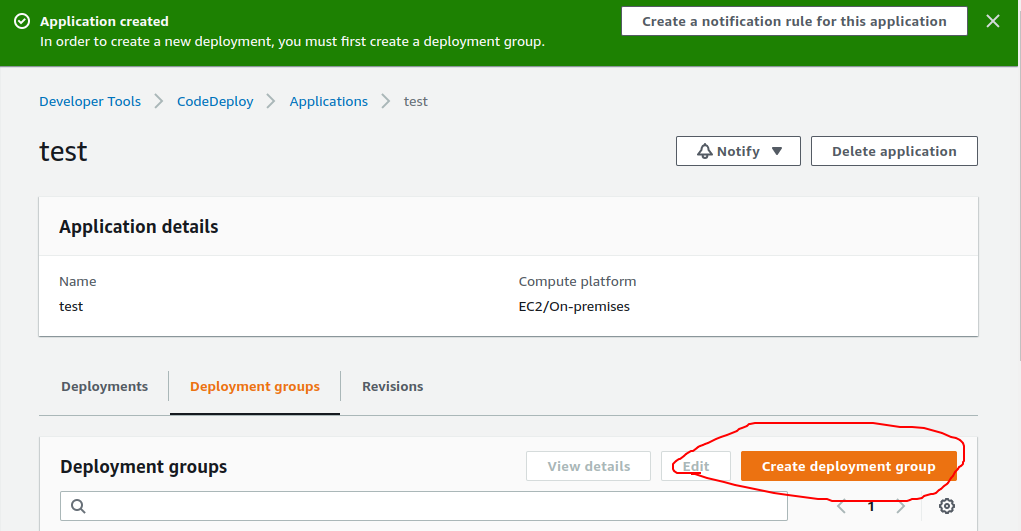
Open Applications

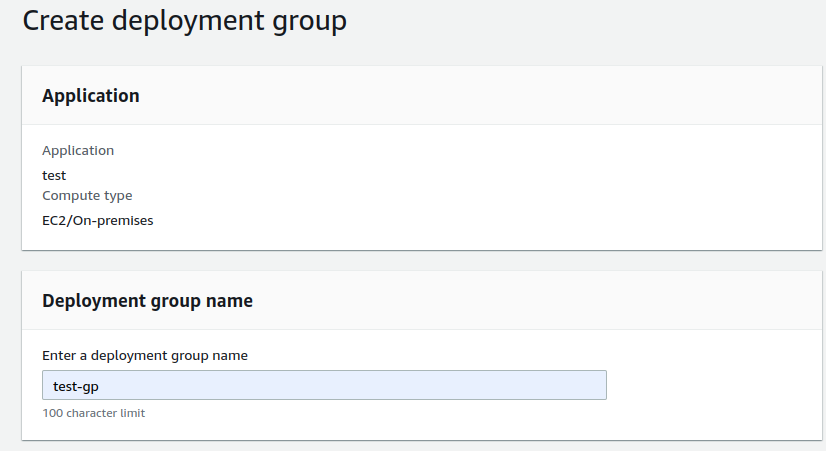


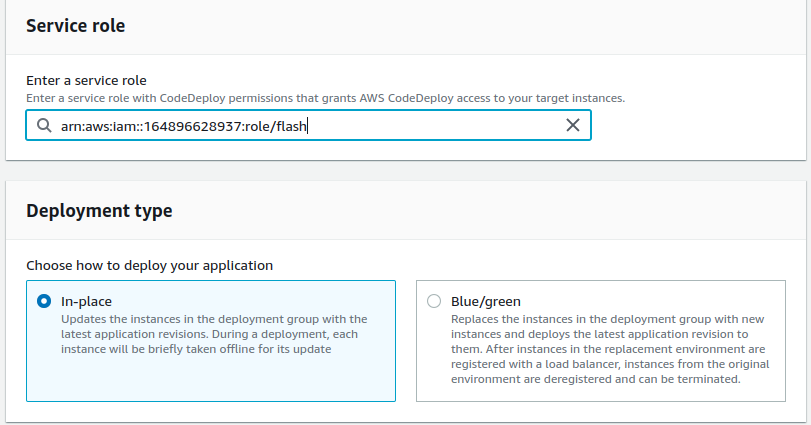
Create Application

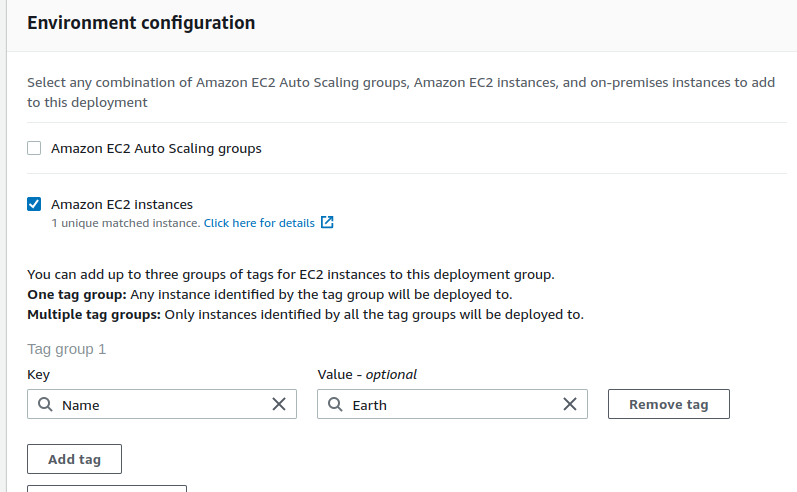


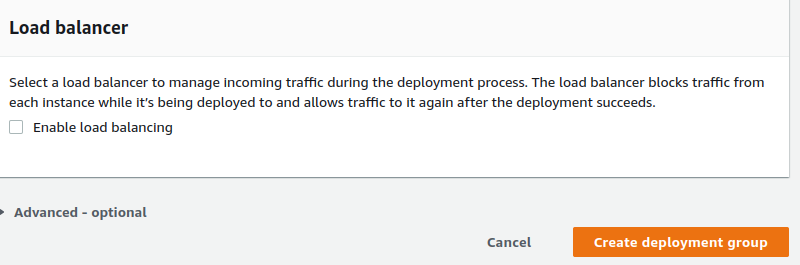
Create Deployment Group



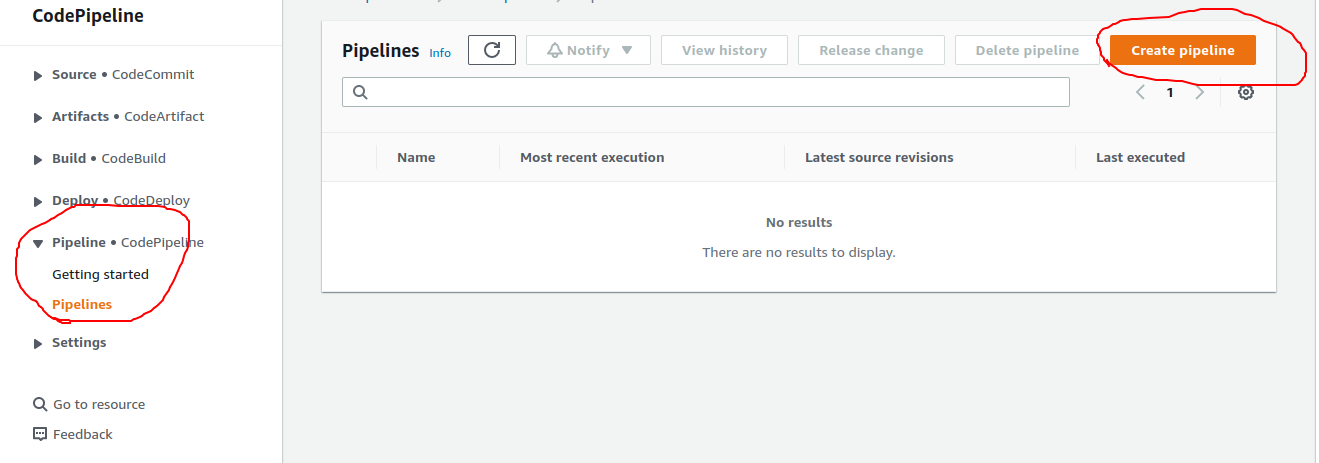




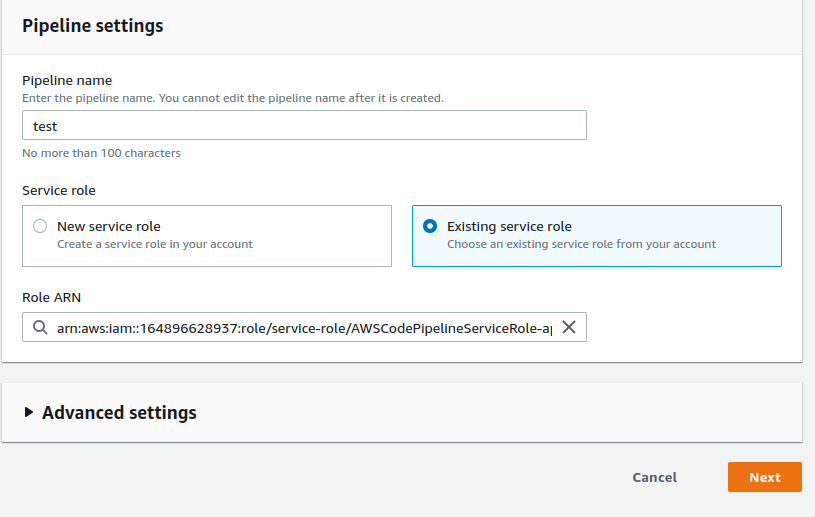


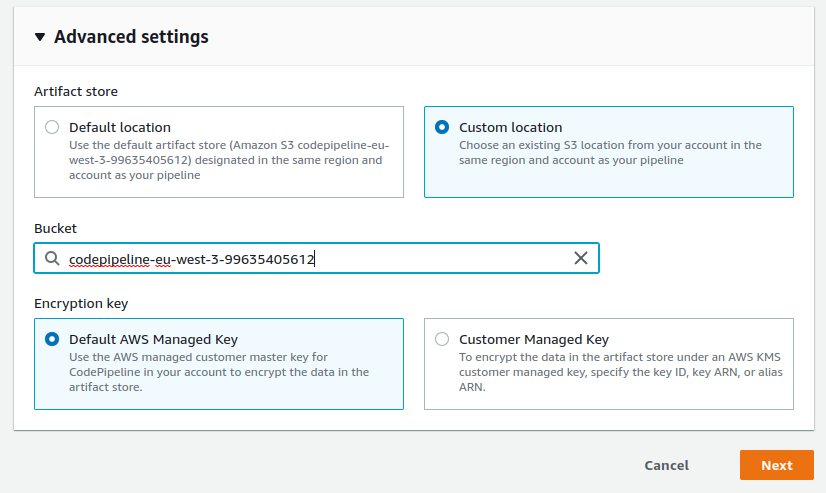


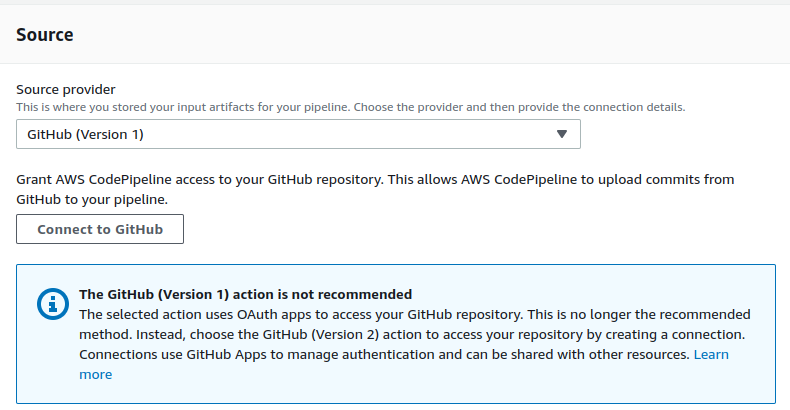
Than go to Pipeline

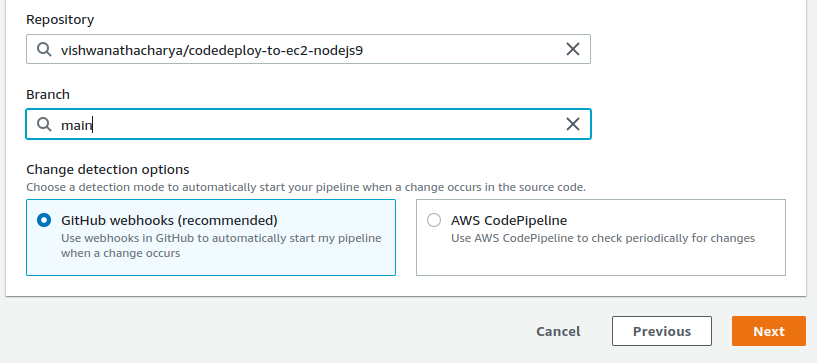


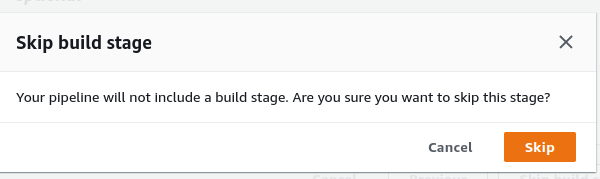
Create PipeLine

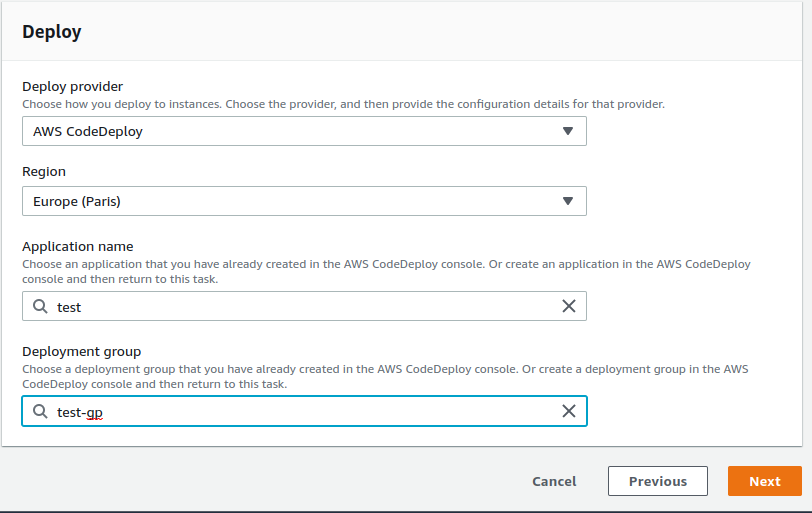


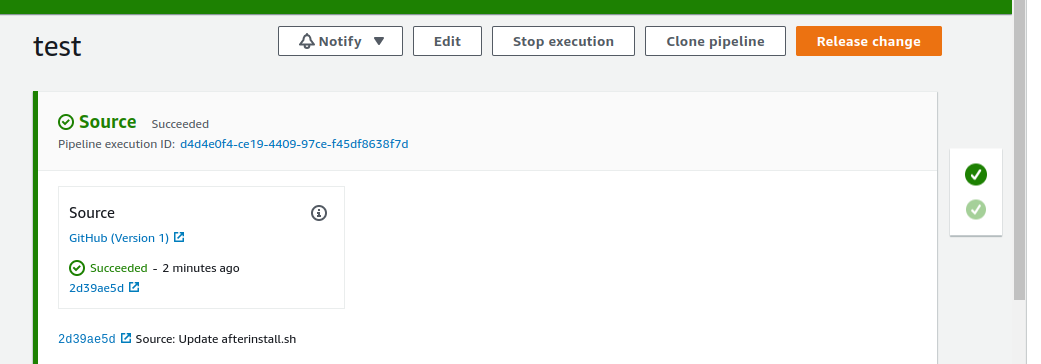


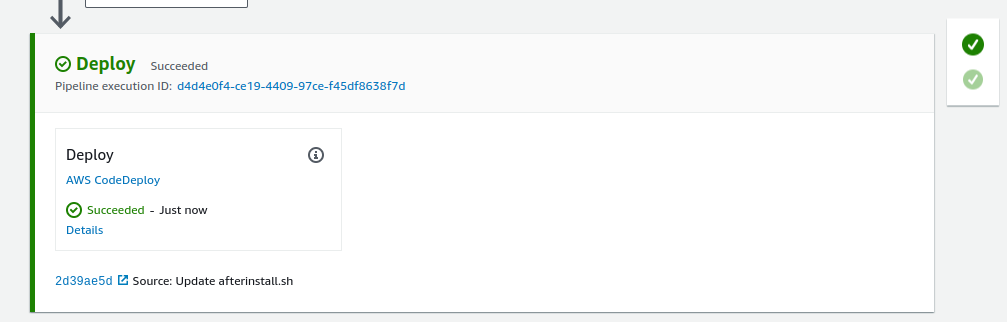


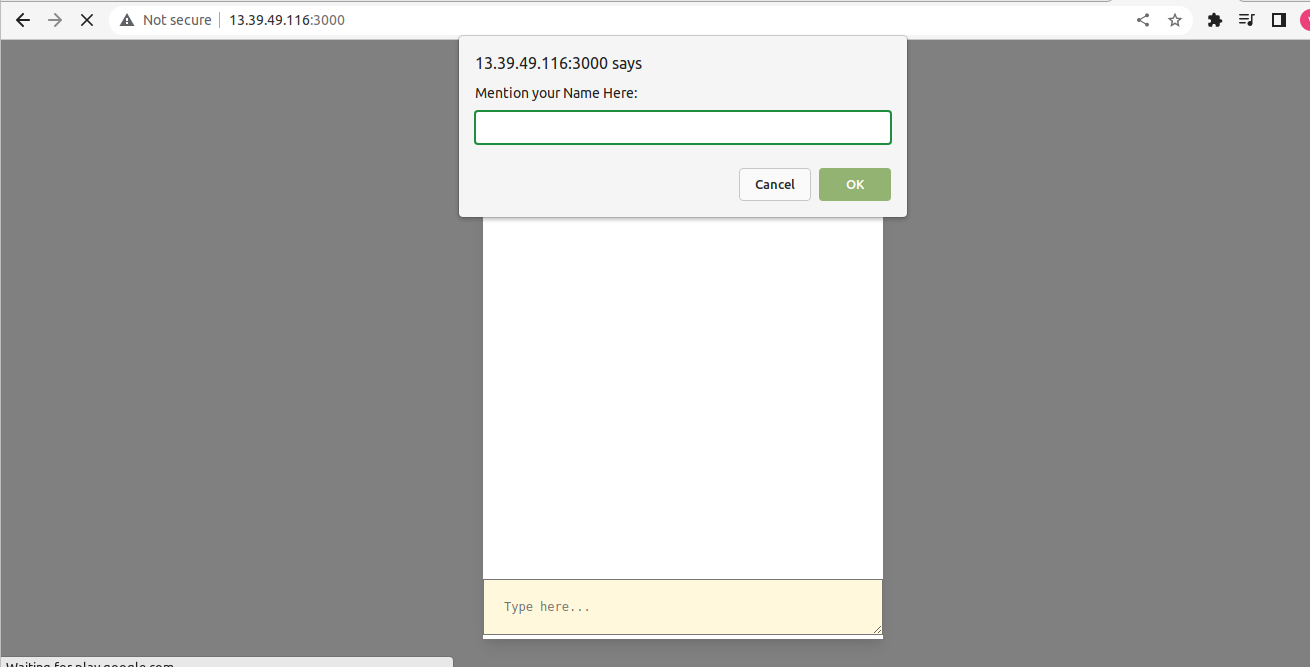
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Use this for repo application