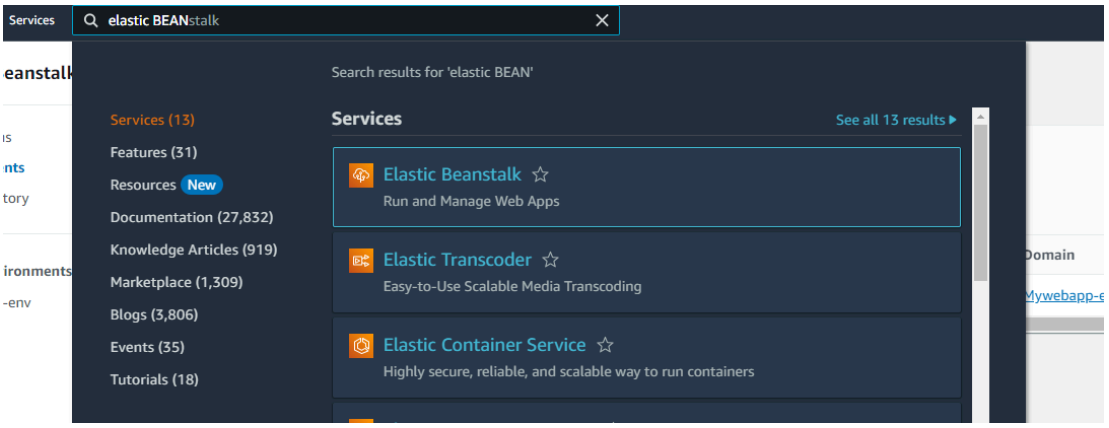
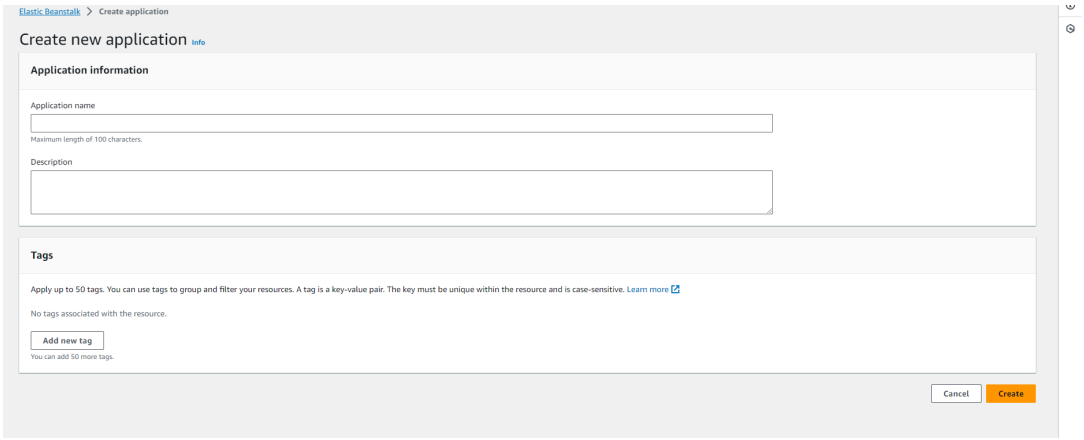
Practical 2: Platform as a service

We will implement PAAS using Elastic beanstalk and record the process step by step

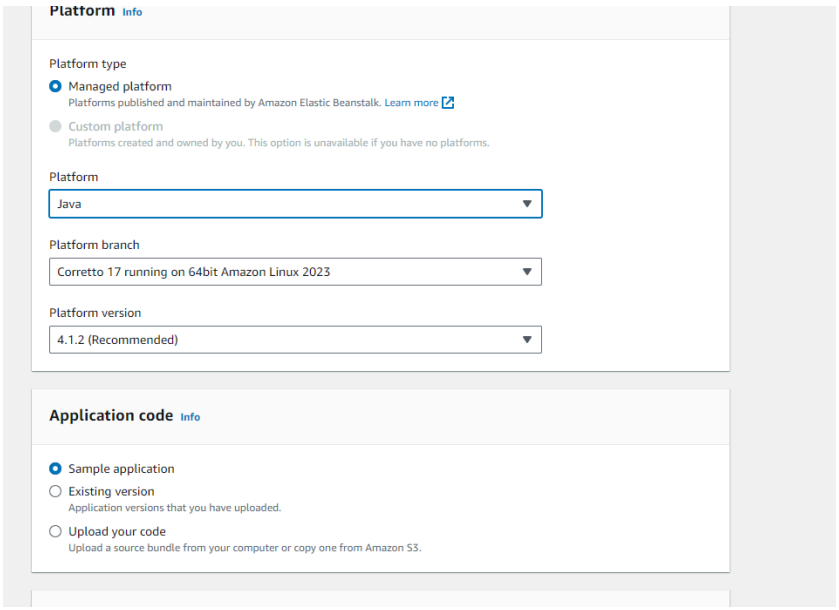
Step 1- Search and open elastic beanstalk service



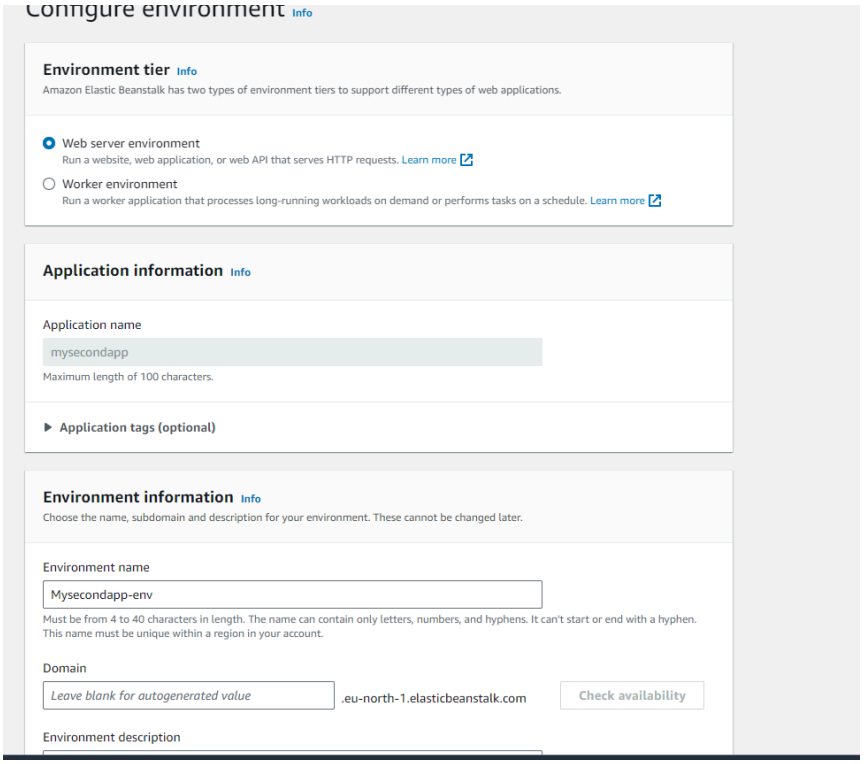
Step 2- Create an application



Step 3- Now we need to Setup Environment for the application we created



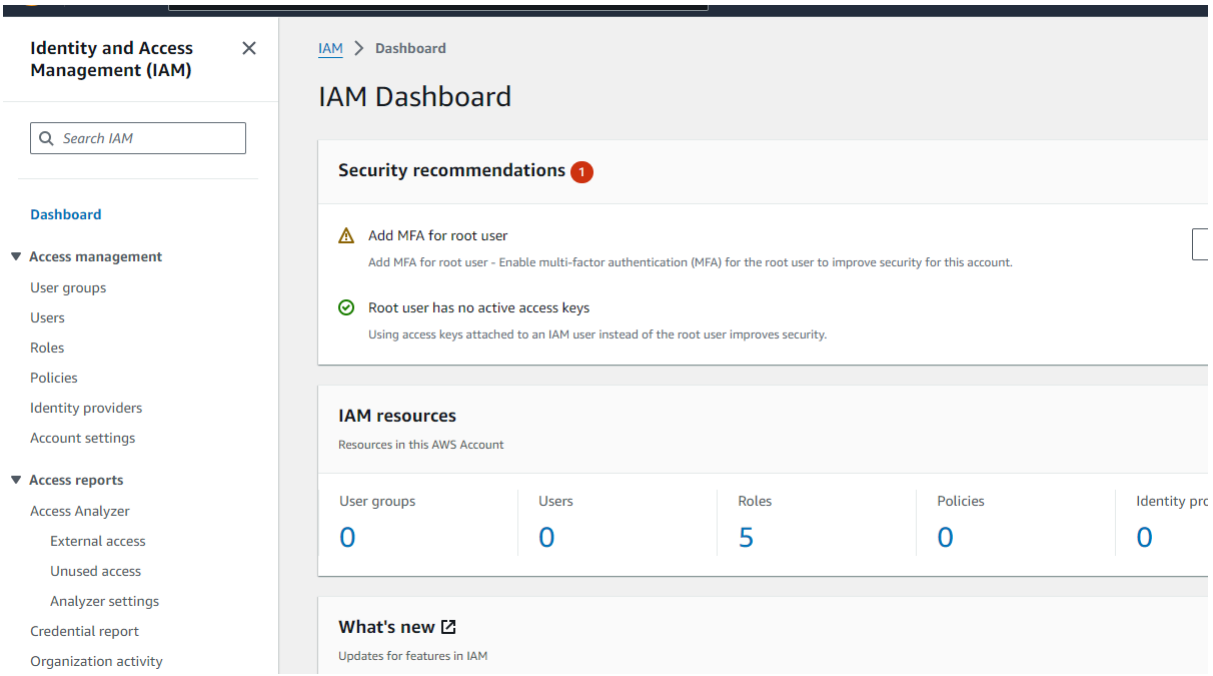
Here we choose Java as our selected service



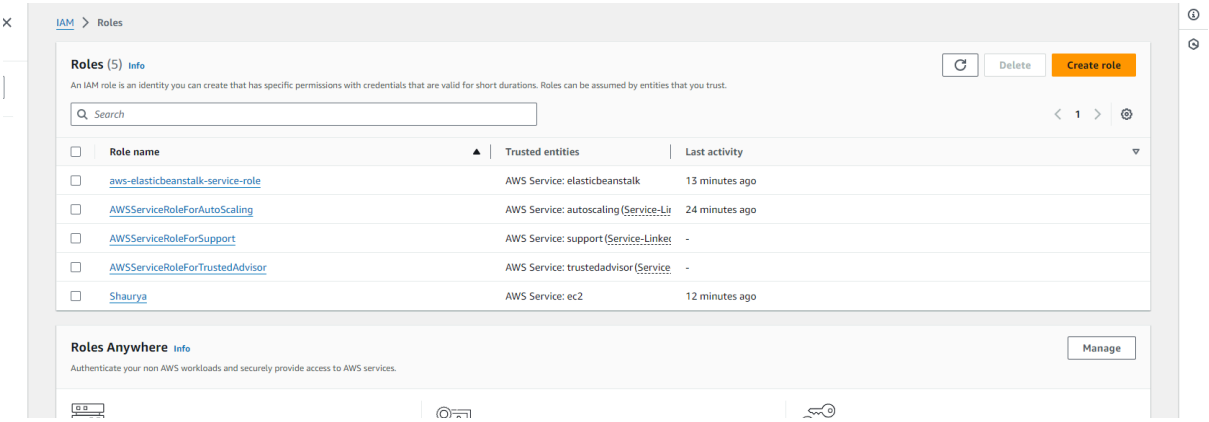
Step 4- Configure service access

First, open another AWS tab, for EC2 instance profile, follow the steps

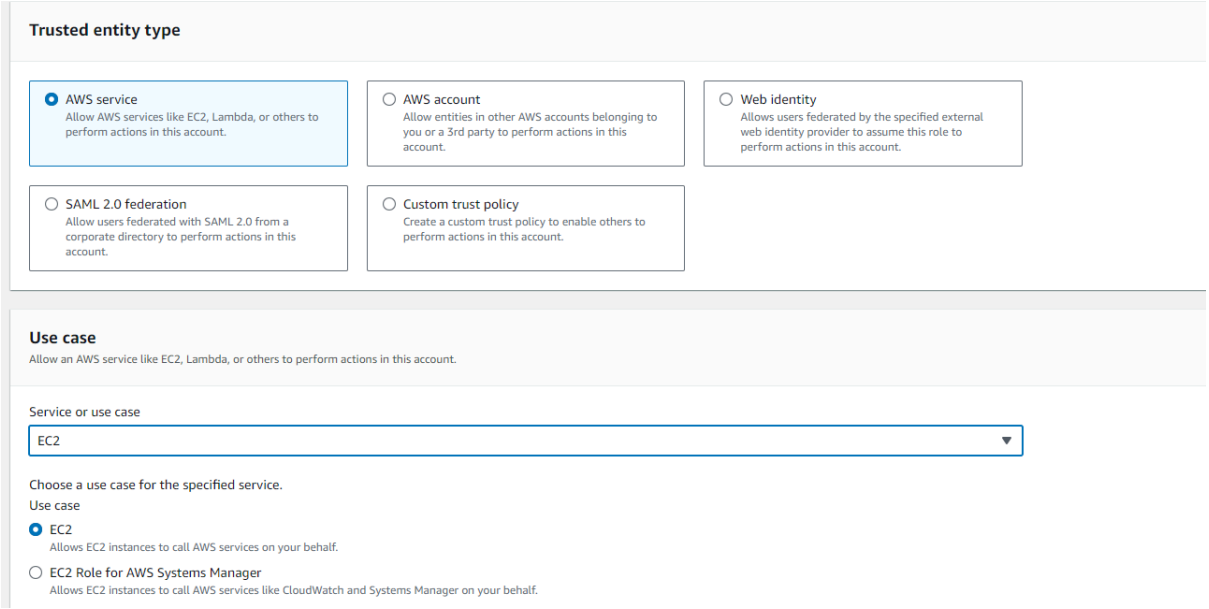
Open IAM services



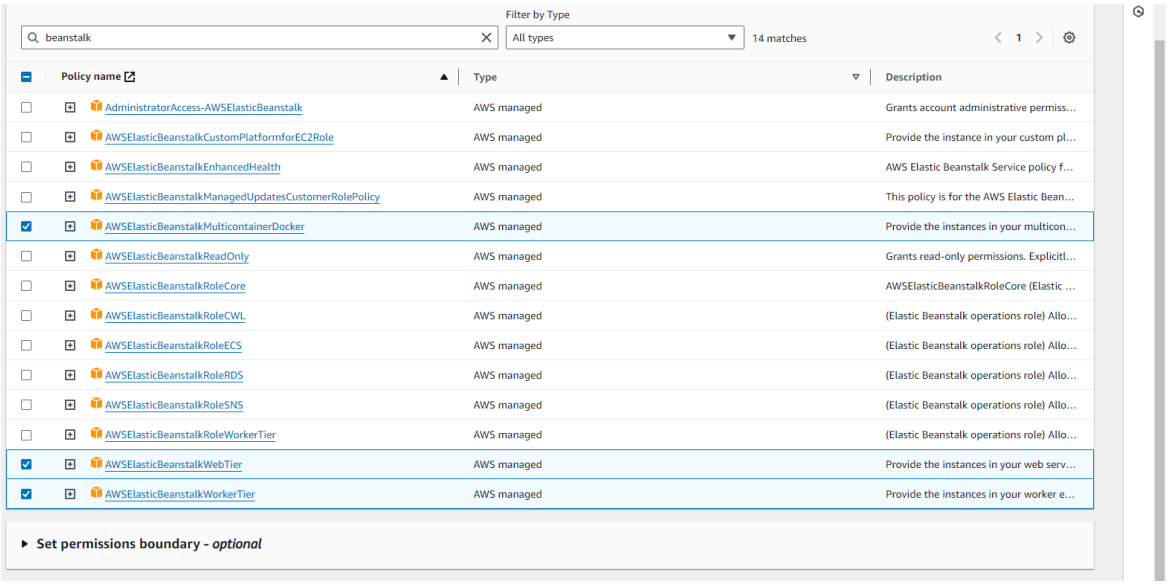
Then we go to Open Roles -> New Roles



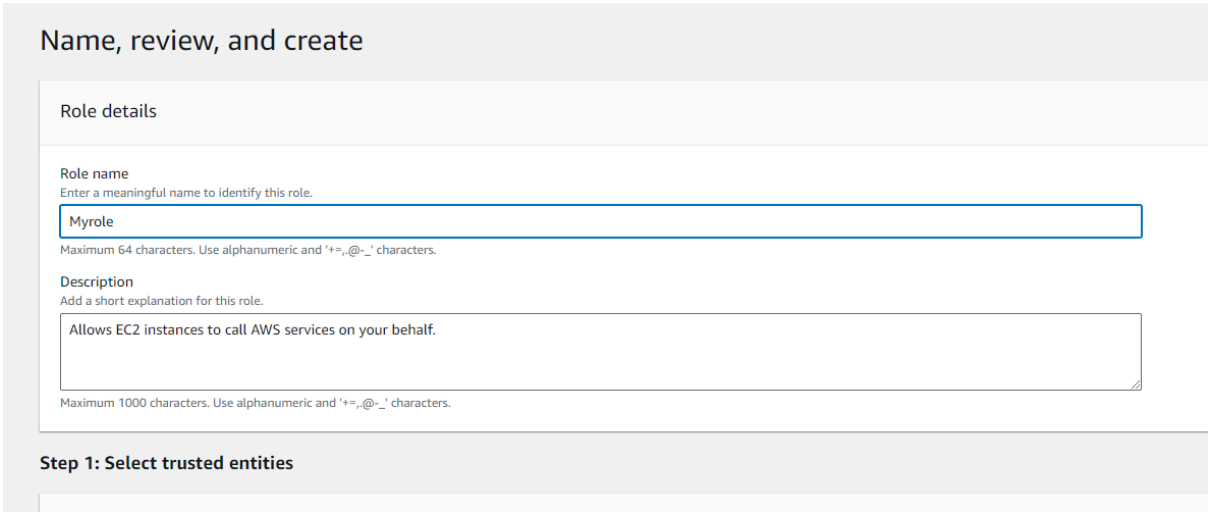
Select EC2 as use case



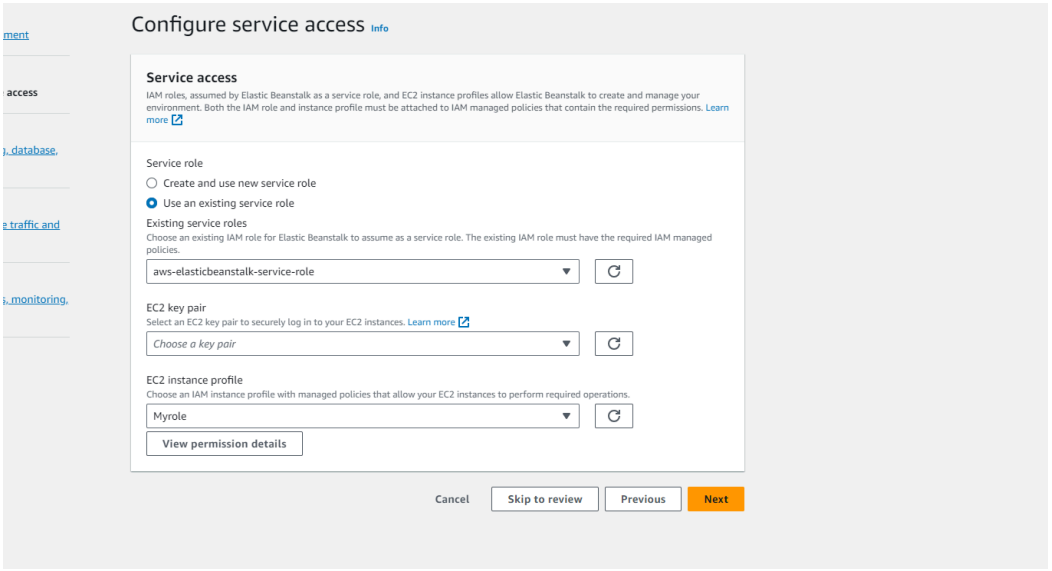
Add the following permissions



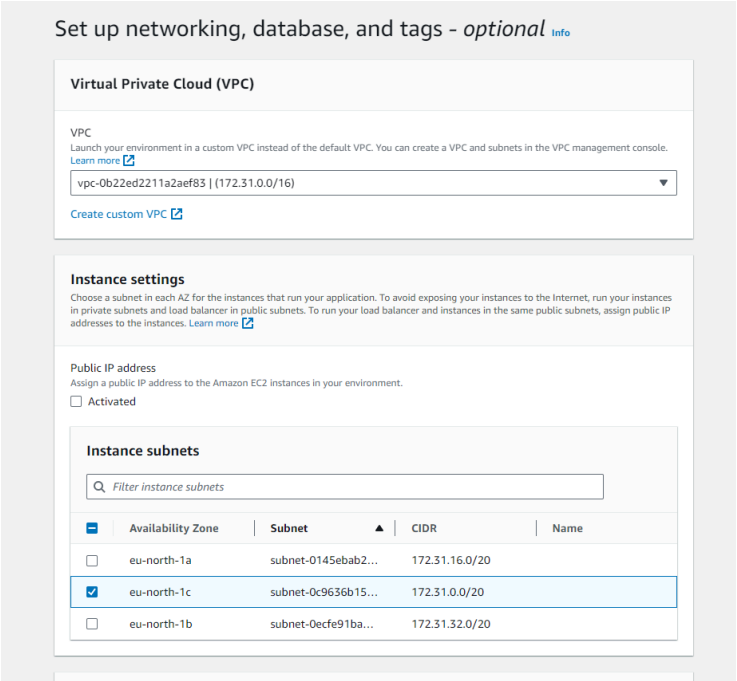
Name the role



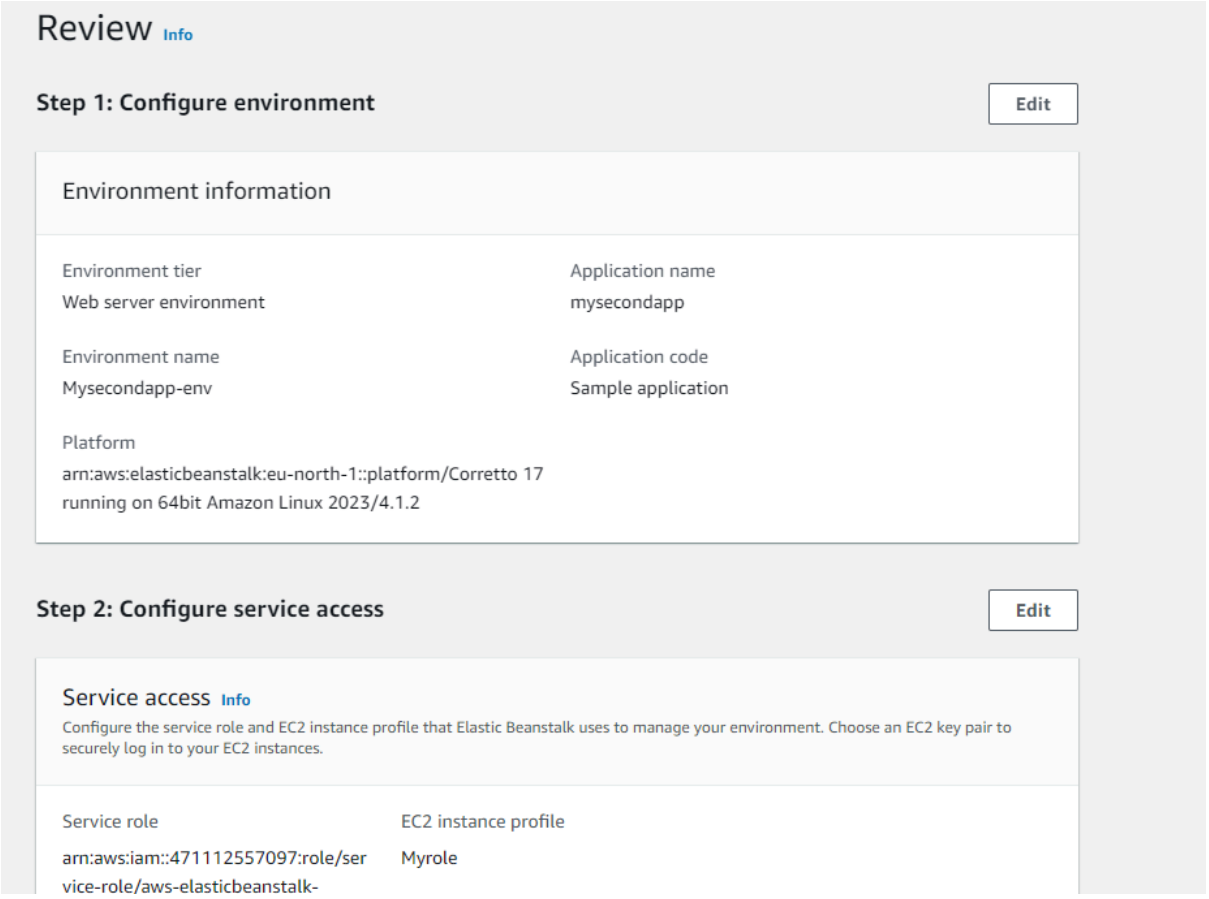
This process have completed the role, now we go back to configure our service access and ad



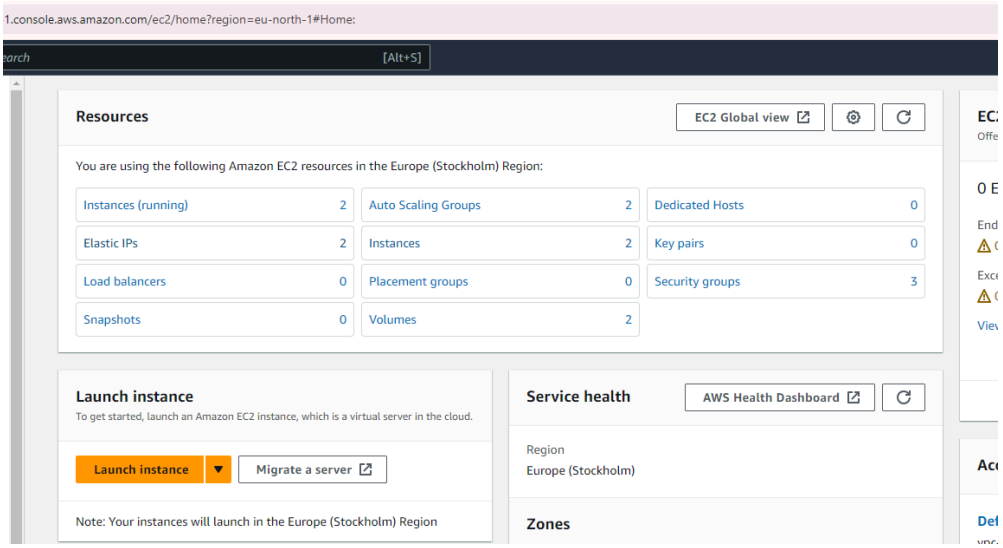
Step 5 Setup networking and database



Step 6 Review the process

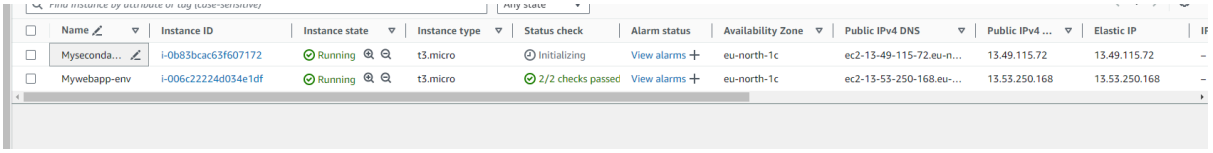


Step 7 Go to EC2 service, open instance

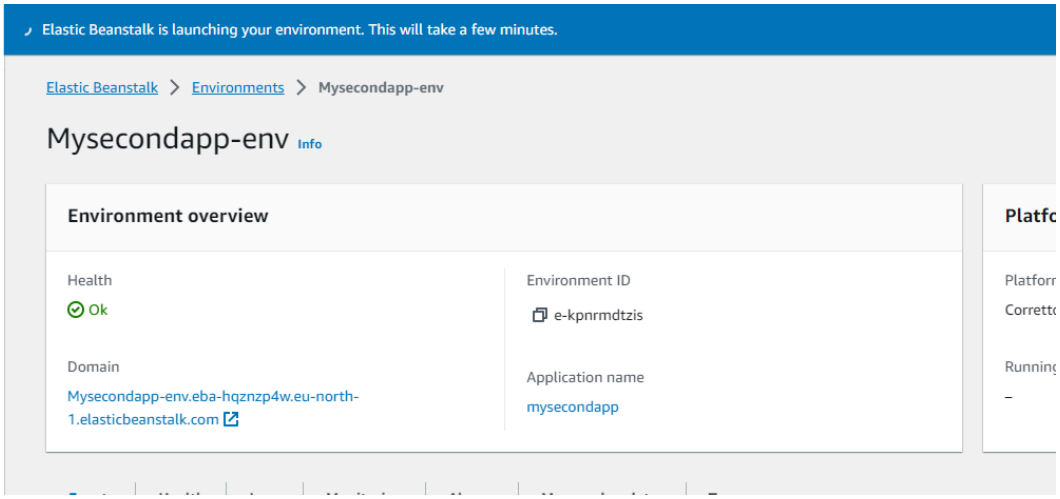


Step 8- You will find your instance running

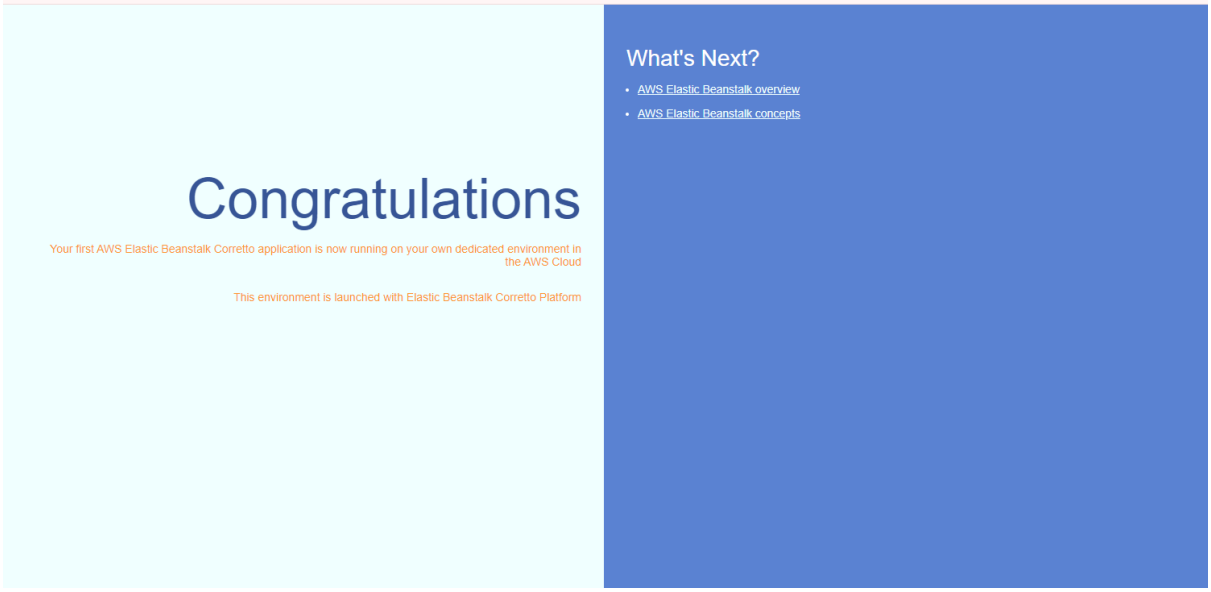
As you can see, we have created another instance previously with python as our service



Step 9 – Wait till the health shows okay

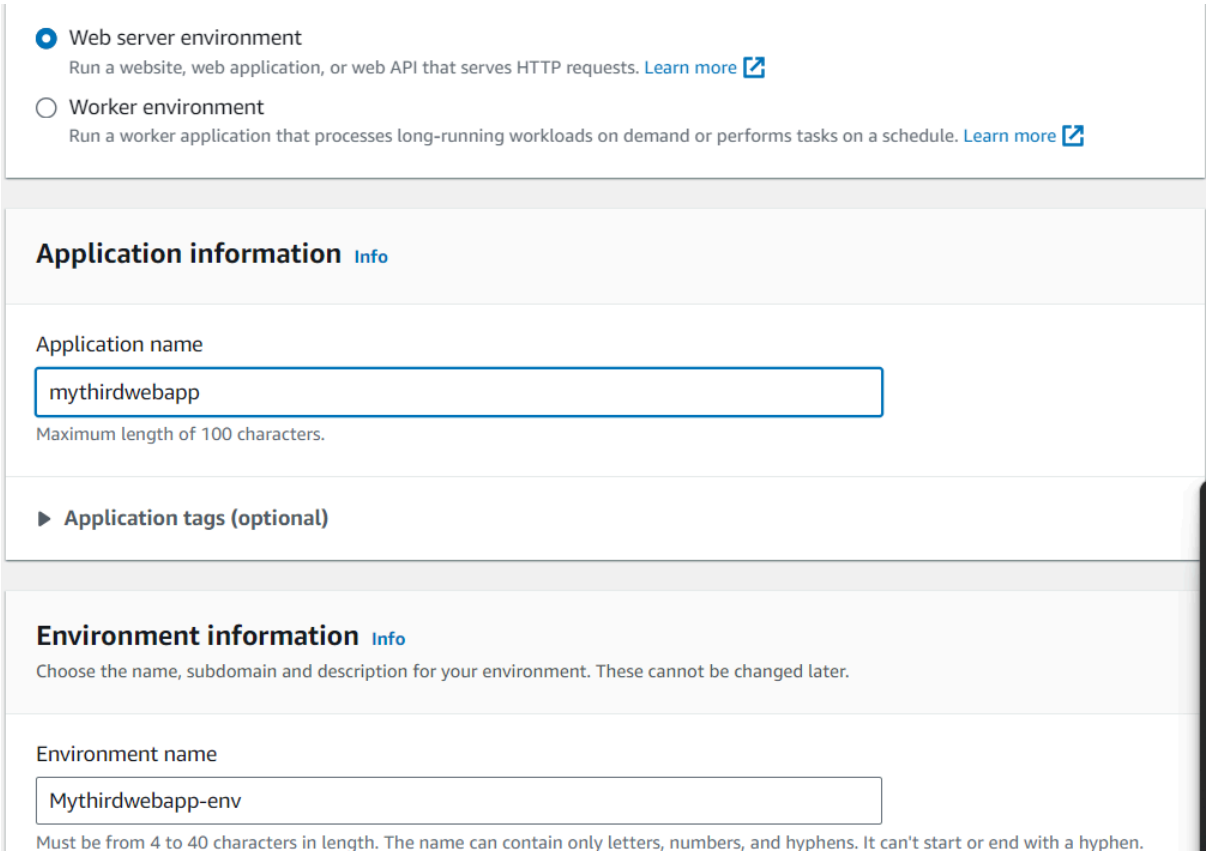


Step 10 Click on domain to launch



Node.js

Now we repeat the same process for our third instance with node.js



Environment description

Describe

Platform Info

Platform type

Managed platform

Platforms published and maintained by Amazon Elastic Beanstalk. Learn more

Custom platform

Platforms created and owned by you. This option is unavailable if you have no platforms.

Platform

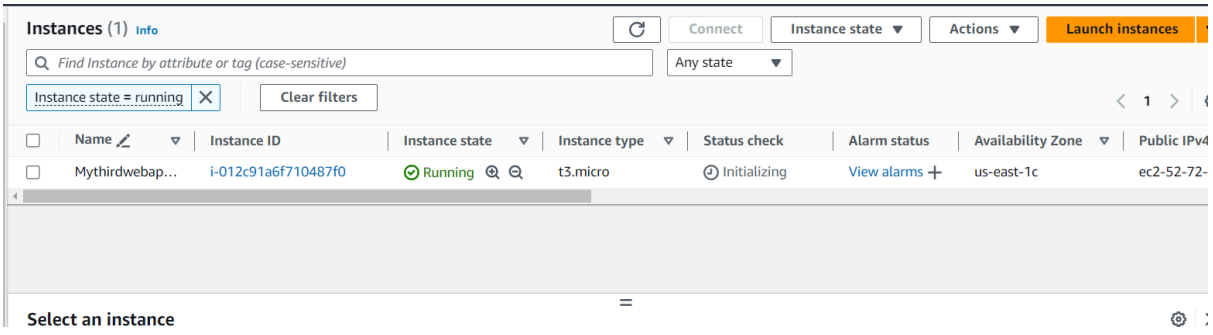
Node.js

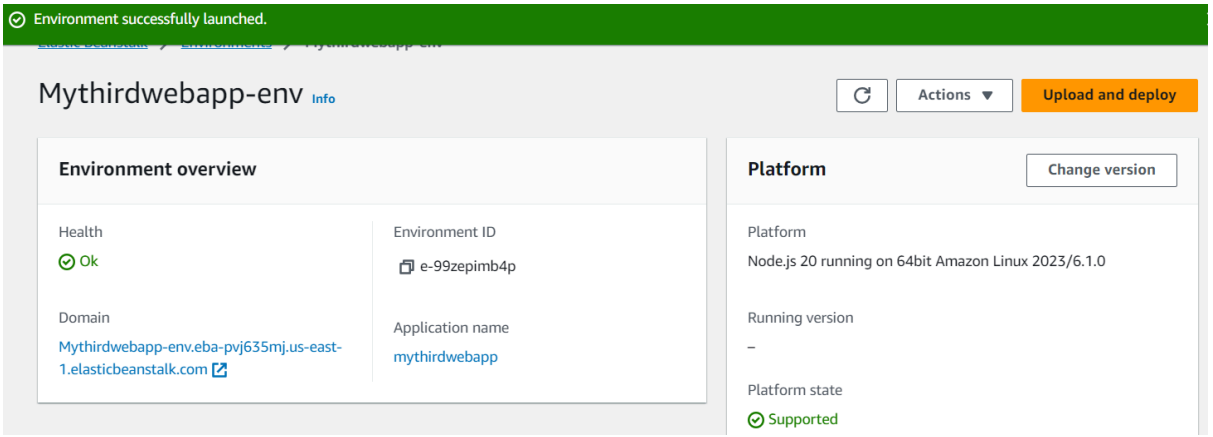
Platform branch

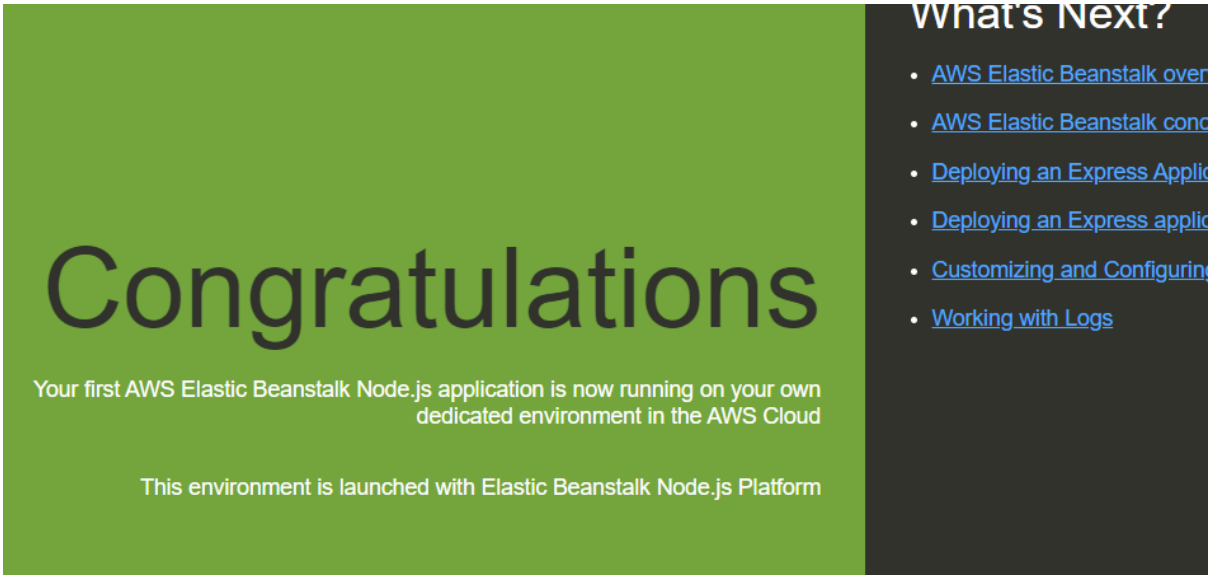
Node.js 20 running on 64bit Amazon Linux 2023

Platform version

This is our final third service (node.js) instance running




Environment successfully launched.
Mythirdwebapp-env Info
Actions
Upload and deploy
Environment overview
Health
Ok
Environment ID
e-99zepimb4p
Domain
Mythirdwebapp-env.eba-pvj635mj.us-east-1.elasticbeanstalk.com
Application name
mythirdwebapp
Platform
Change version
Platform
Node.js 20 running on 64bit Amazon Linux 2023/6.1.0
Running version
–
Platform state
Supported


Congratulations
Your first AWS Elastic Beanstalk Node.js application is now running on your own dedicated environment in the AWS Cloud
This environment is launched with Elastic Beanstalk Node.js Platform
What's Next?
AWS Elastic Beanstalk over
AWS Elastic Beanstalk conc
Deploying an Express Applic
Deploying an Express applic
Customizing and Configurin
Working with Logs