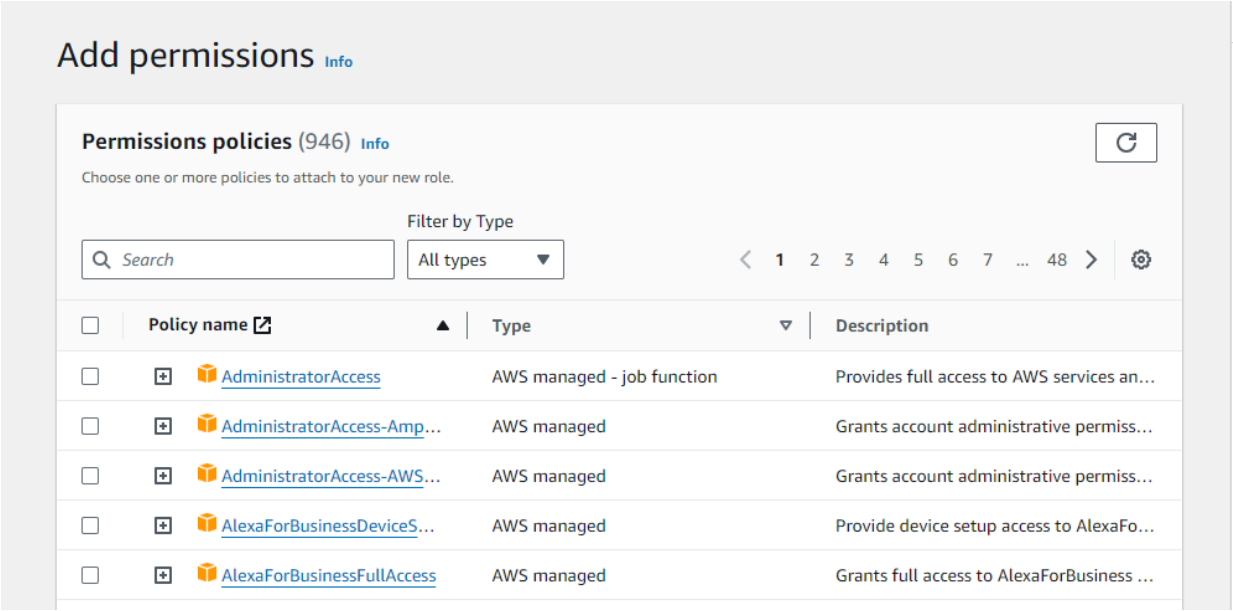
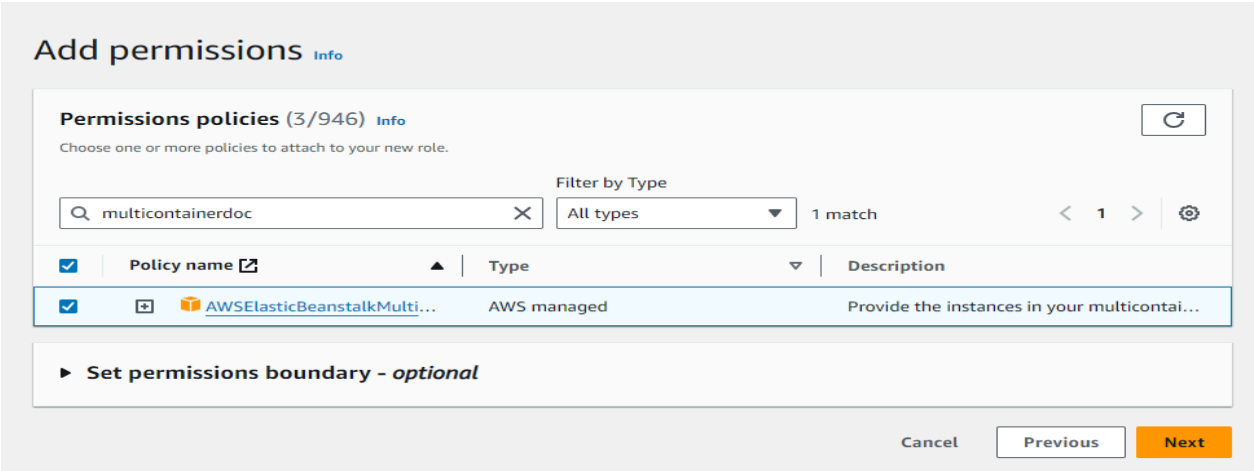
Name: Atharva Patil Div: D15C Roll No: 39

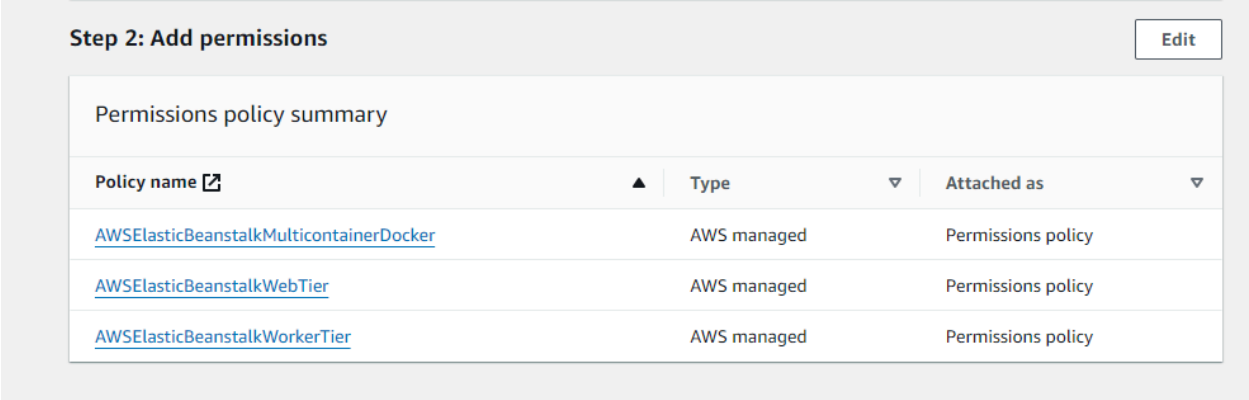
Experiment 2

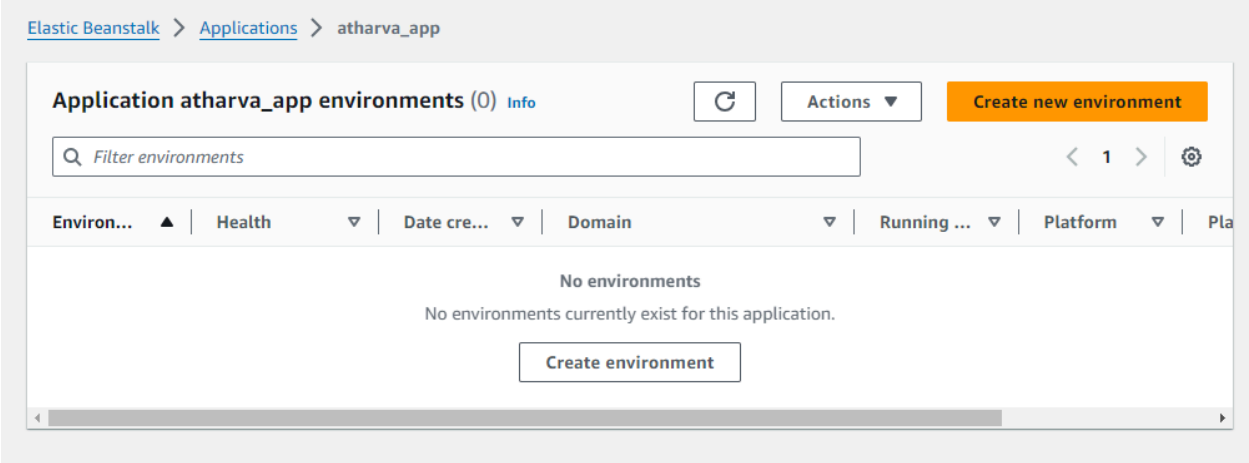
Login into your AWS account and navigate to services. Search for Elastic Beanstalk service and click on create application. Give your application a suitable name.



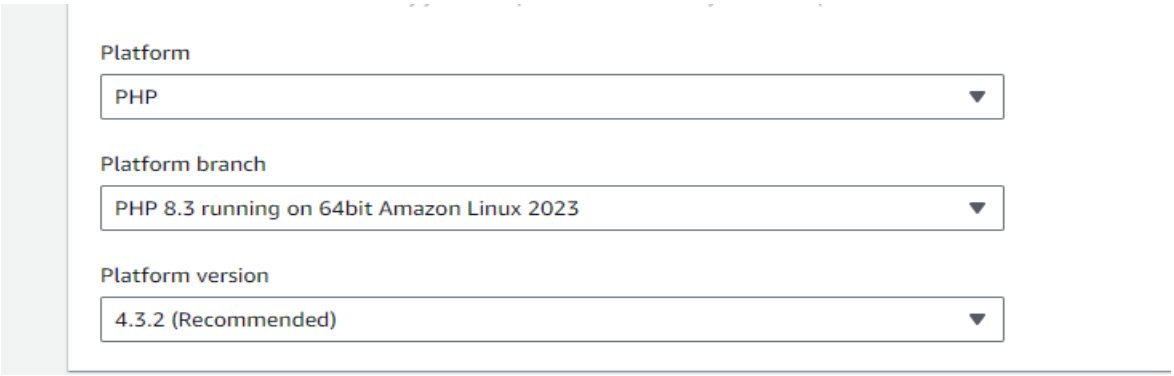


Now, while creating the environment, we are asked to provide an IAM role with the necessary EC2 permissions. We are supposed to make sure that we have made an existing IAM role with the following set of permissions:
1. AWSElasticBeanStalkWebTier
2. AWSElasticBeanStalkWorkerTier
3. AWSElasticBeanStalkMulticontainerDocker





For the platform, select PHP. Rest of the configuration settings are to be kept as default.



Service role

- ○ Create and use new service role
- ◉ Use an existing service role

Existing service roles

Choose an existing IAM role for Elastic Beanstalk to assume as a service role. The existing IAM role must have the required IAM managed policies.

atharva_patil

EC2 key pair

Select an EC2 key pair to securely log in to your EC2 instances. Learn more

Choose a key pair

EC2 instance profile

Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.

atharva_patil

View permission details

Cancel | Skip to review | Previous | Next

Review Info

Step 1: Configure environment

Edit

Environment information

Environment tier Web server environment	Application name atharva_app
Environment name Atharvaapp-env	Application code Sample application
Platform arn:aws:elasticbeanstalk:eu-north-1::platform/PHP 8.3 running on 64bit Amazon Linux 2023/4.3.2	

Step 2: Configure service access

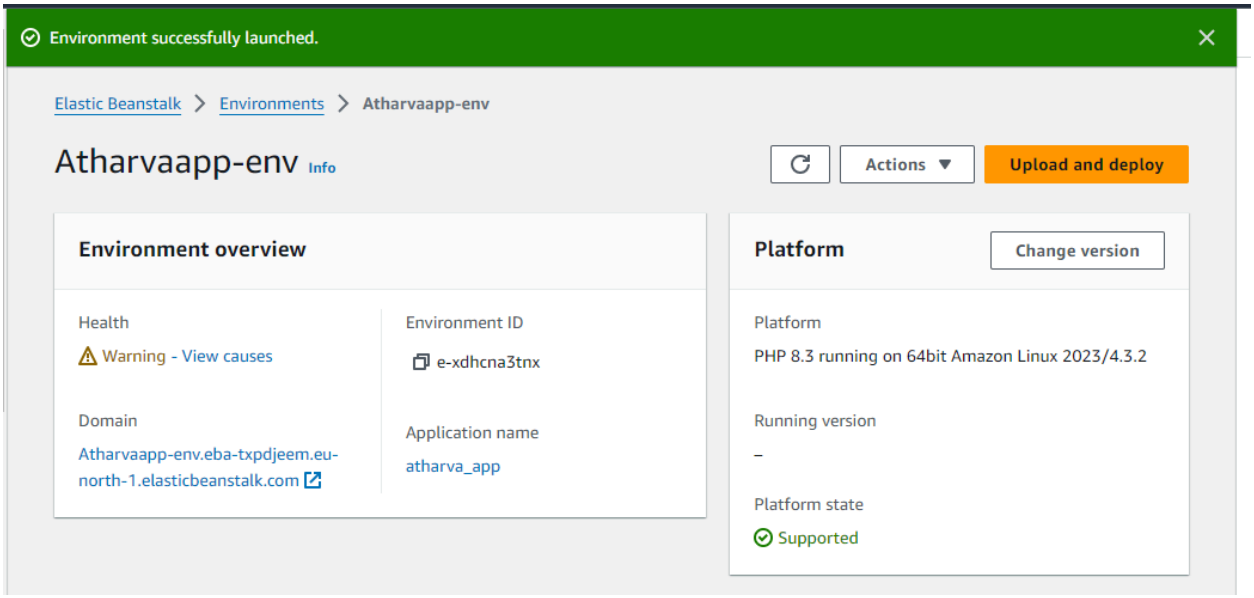
Edit

Service access Info

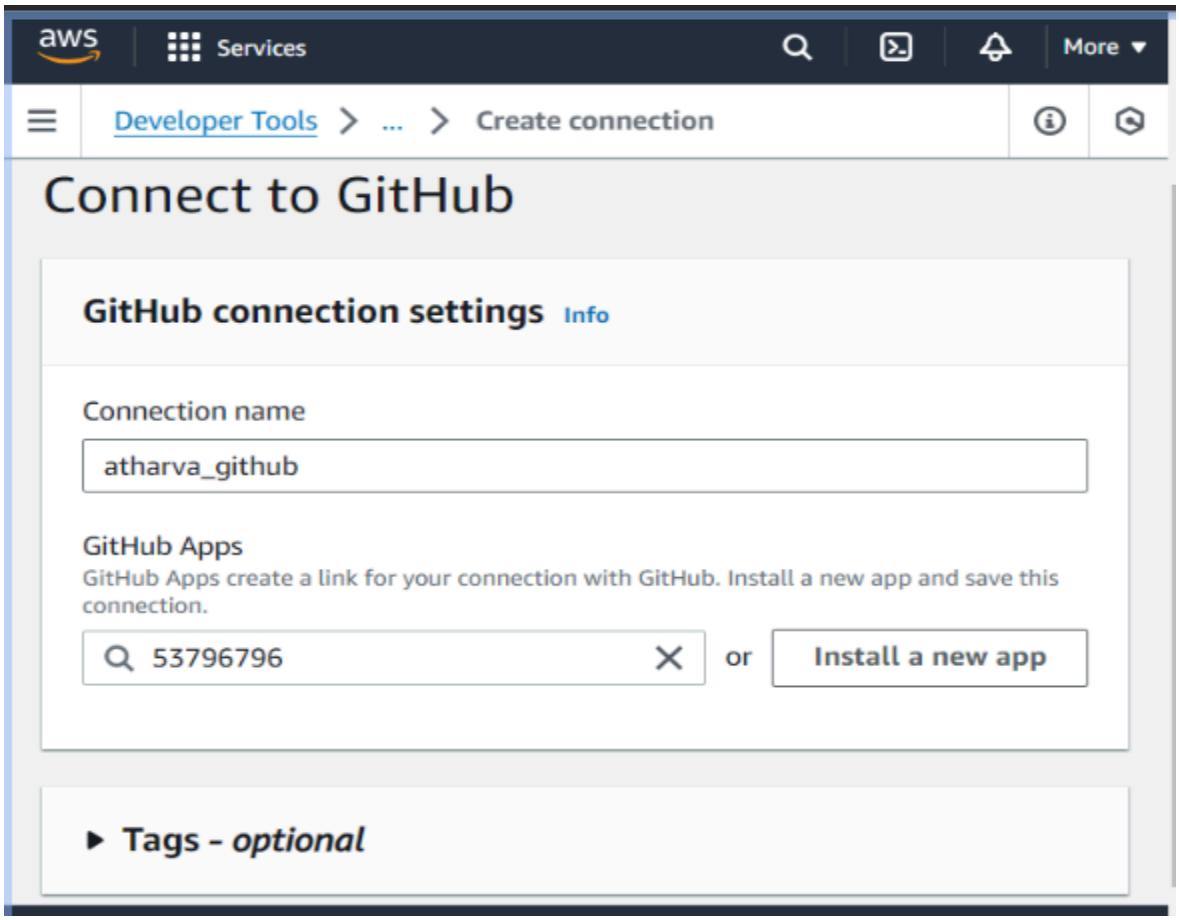
Configure the service role and EC2 instance profile that Elastic Beanstalk uses to manage your environment. Choose an EC2 key pair to securely log in to your EC2 instances.

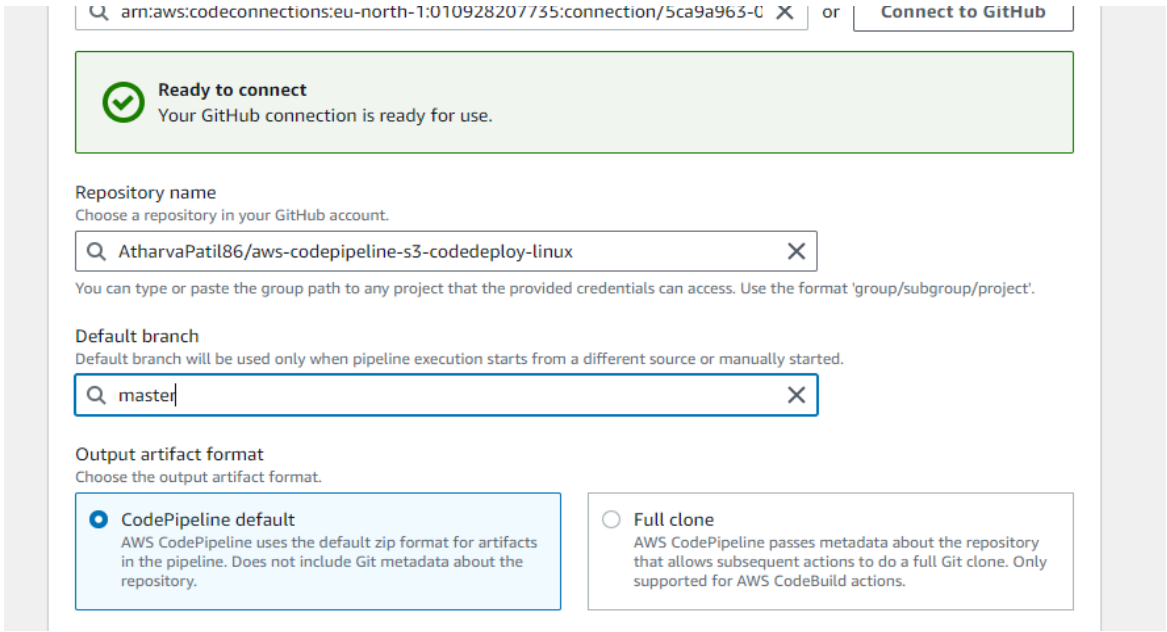
Service role	EC2 instance profile
arn:aws:iam::010928207735:role/atharva_patil	atharva_patil

After reviewing everything properly, our environment can successfully be created.

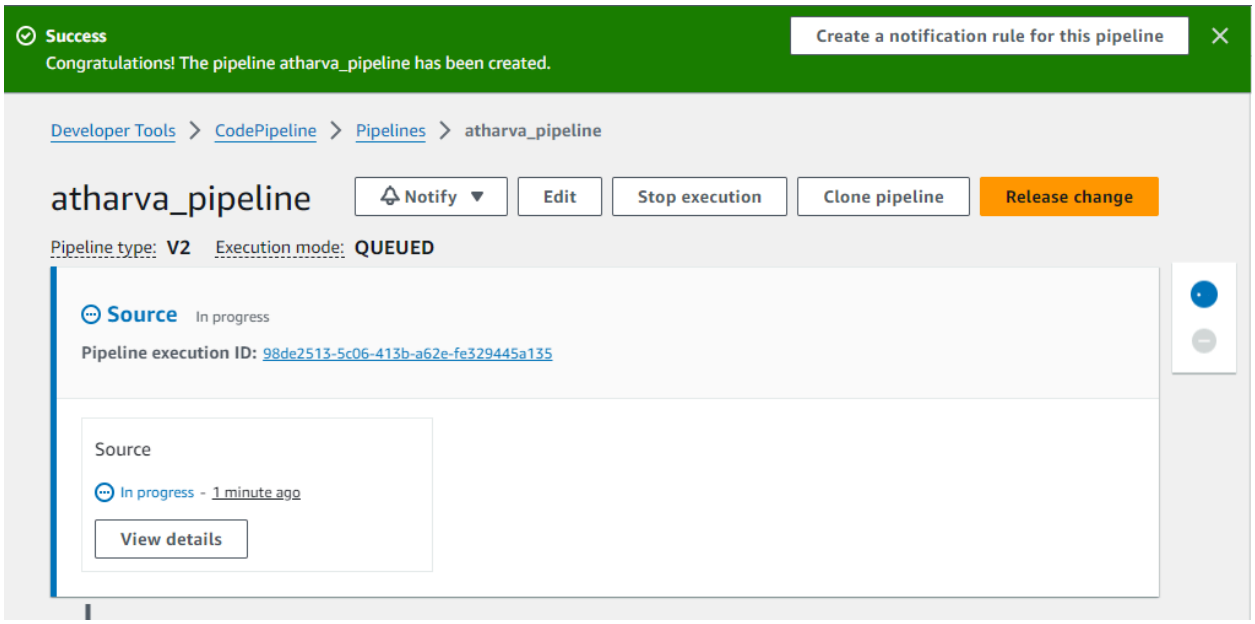


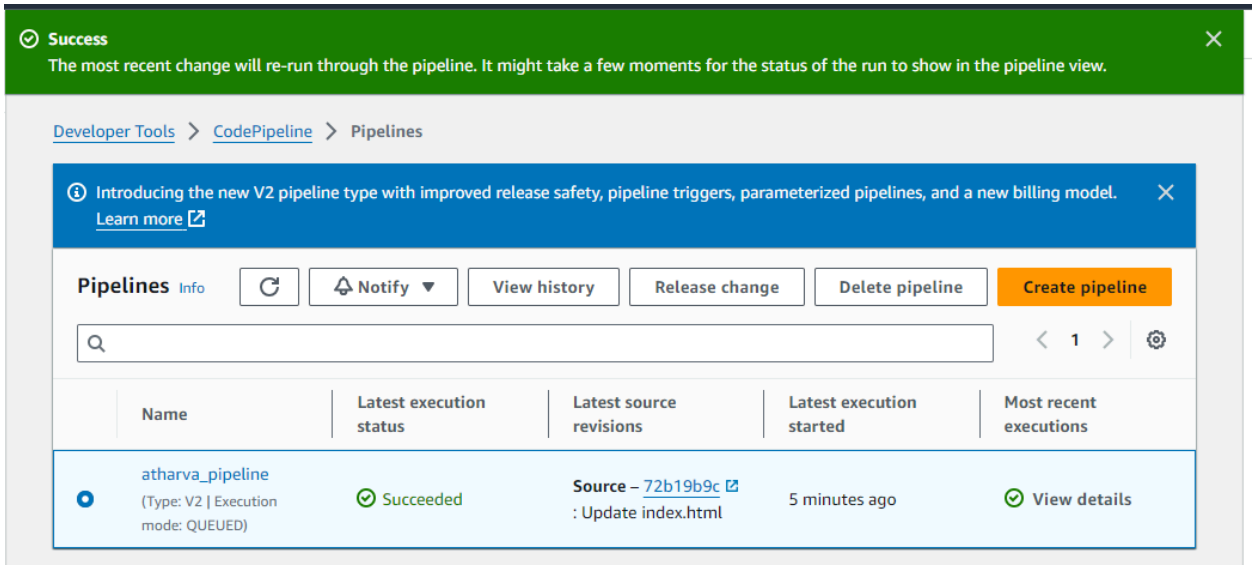
In this step, we are supposed to create a github connection and add our existing repository over here





Navigate to Codepipeline inside Developer Tools. Give a suitable name to the pipeline you want.





When all the stages run successfully, this is what is displayed onto the screen. It shows us that our application and our environment have successfully been deployed using a dedicated pipeline created