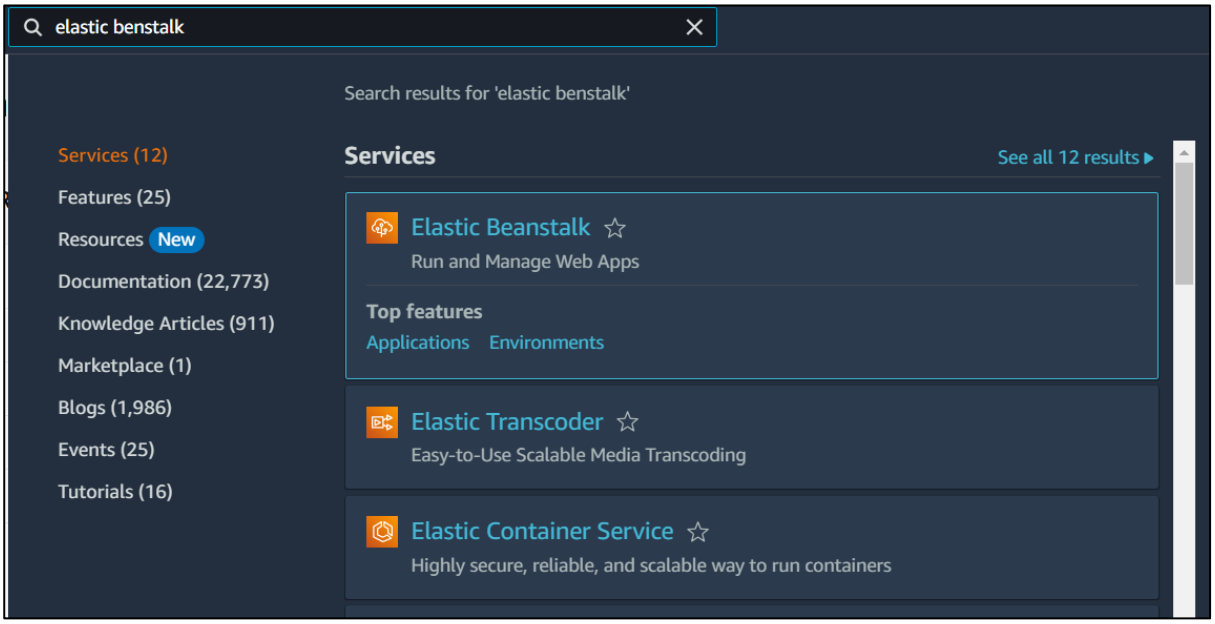
Advance DevOps

Experiment 2

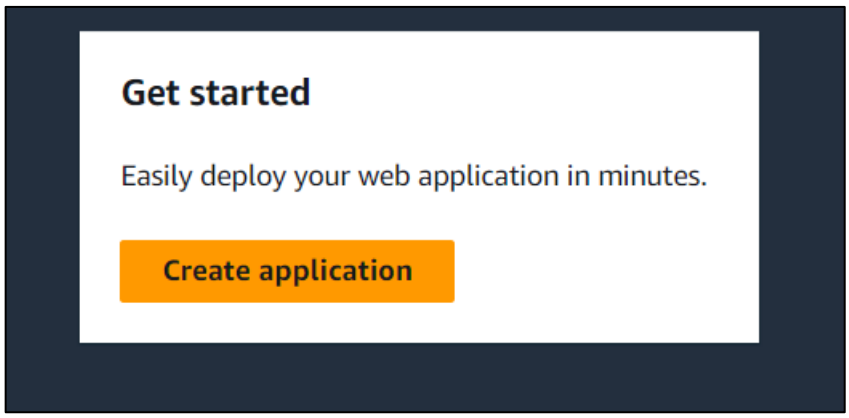
To Build Your Application using AWS CodeBuild and Deploy on S3 / SEBS using AWS CodePipeline, deploy Sample Application on EC2 instance using AWS CodeDeploy.

Steps:

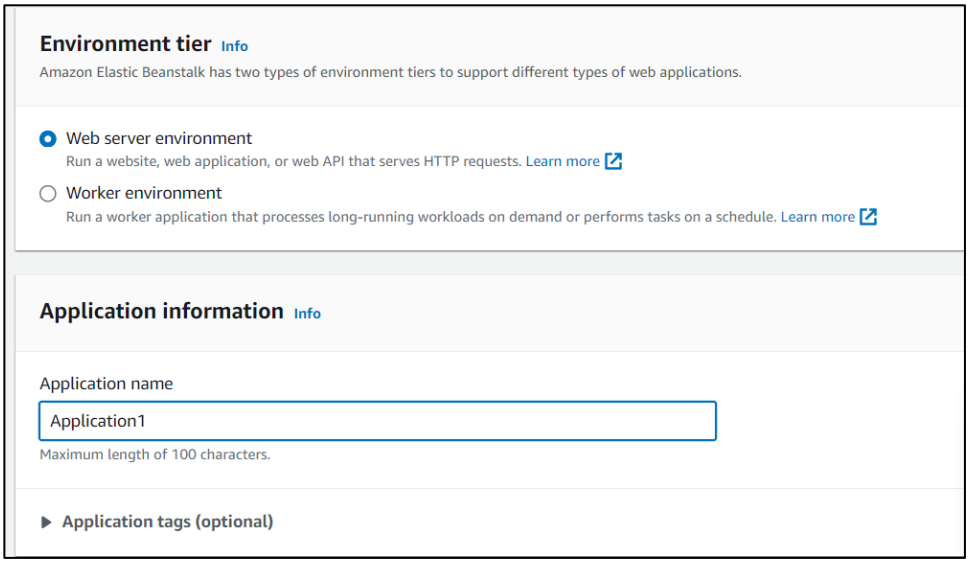
1. Firstly, we will create an environment and for that search elastic beanstalk in the services.



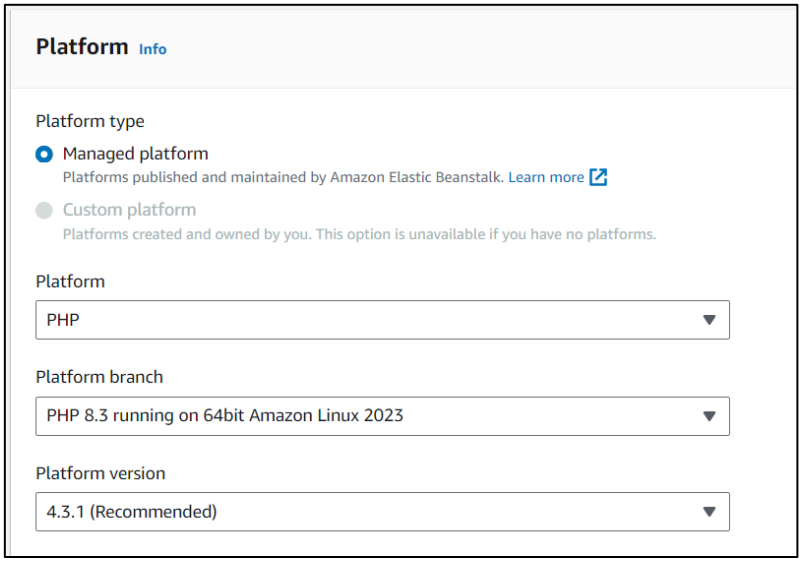
2. Select create application.



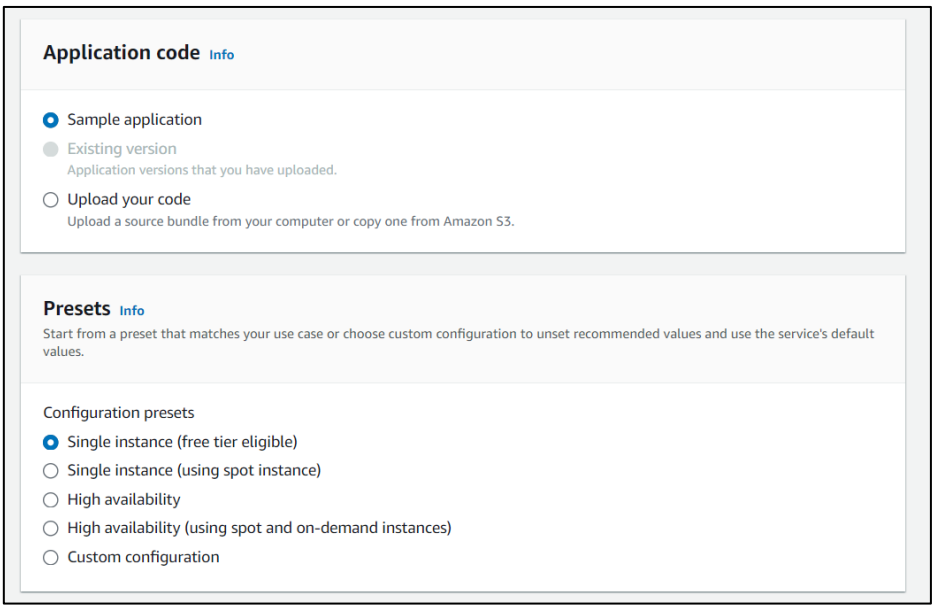
3. Now we will configure the environment. In environment tier select web server environment and give application name.



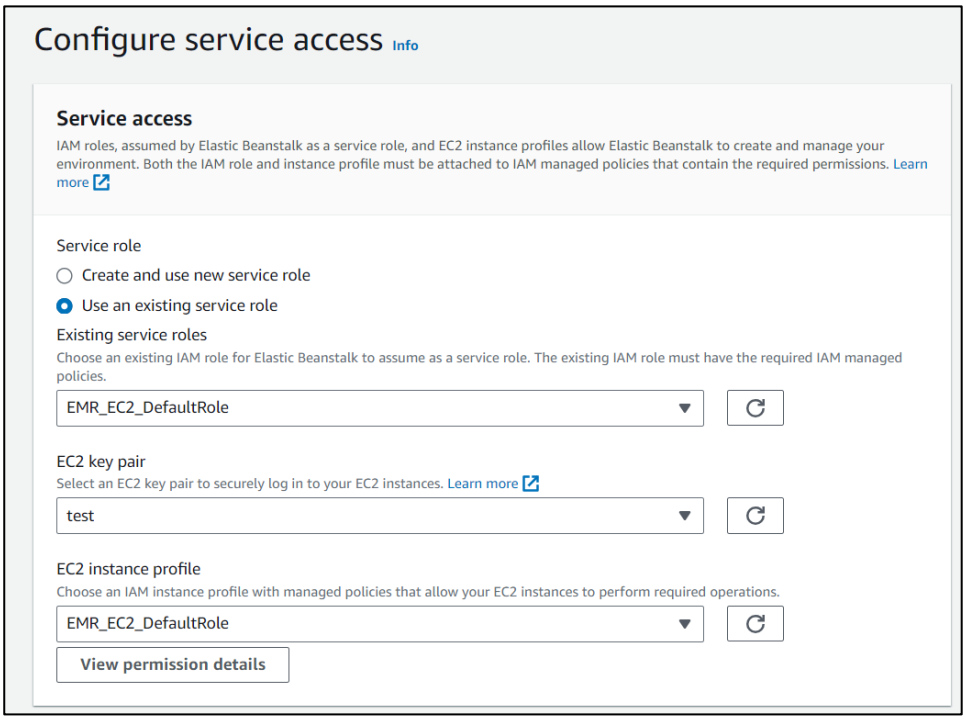
4. Select a platform, here I have selected php.



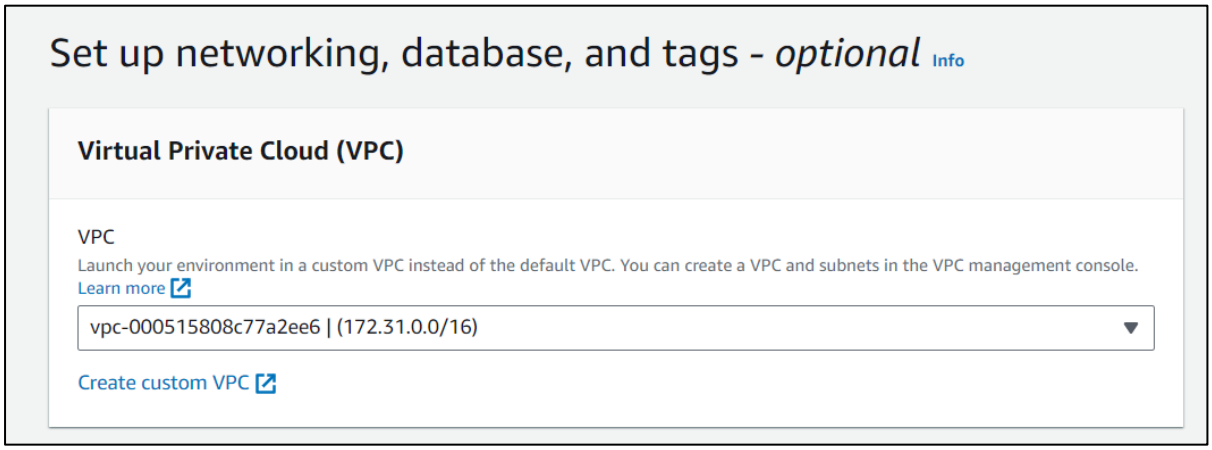
5. Keep all other settings at their default values

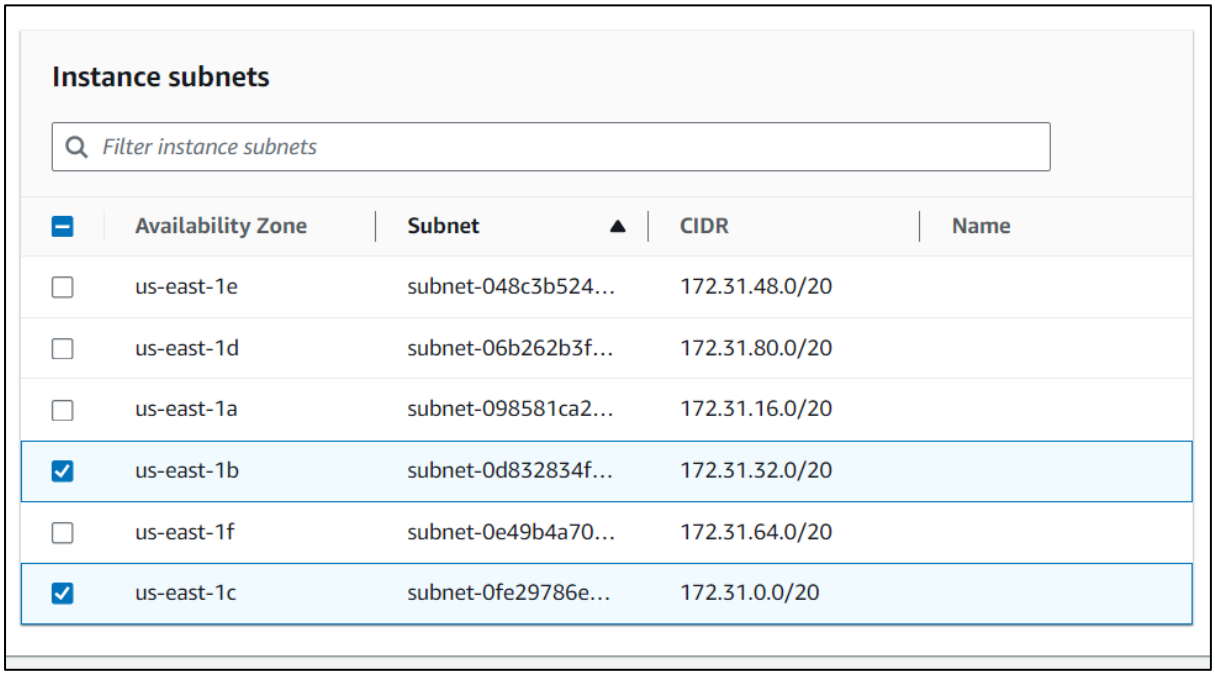


6. Now we will configure service access. Select an existing service role, EC2 key pair and EC2 instance profile from the dropdowns given.

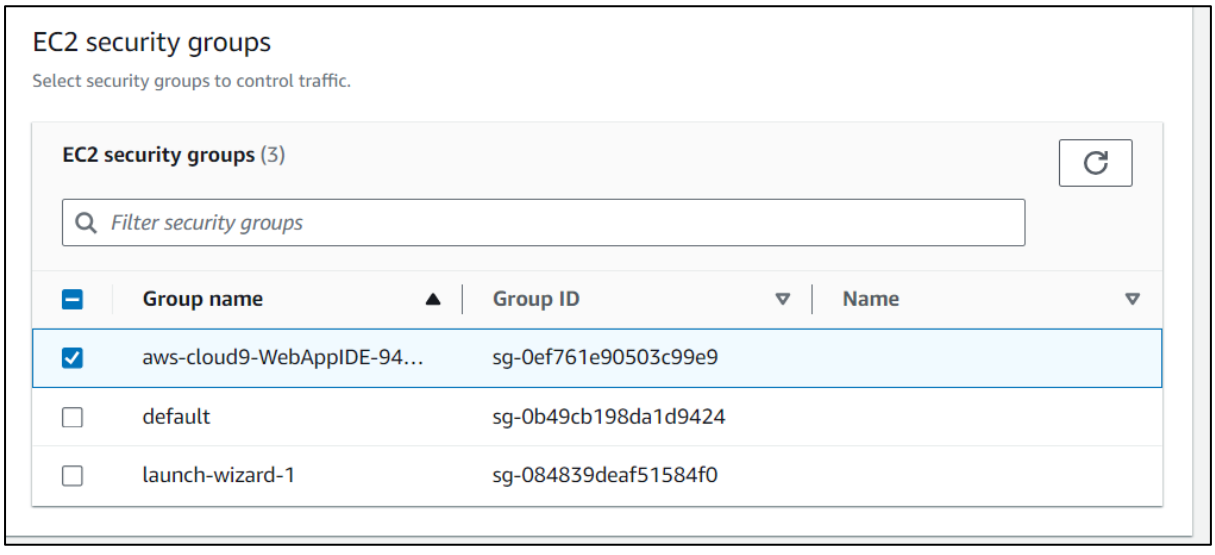


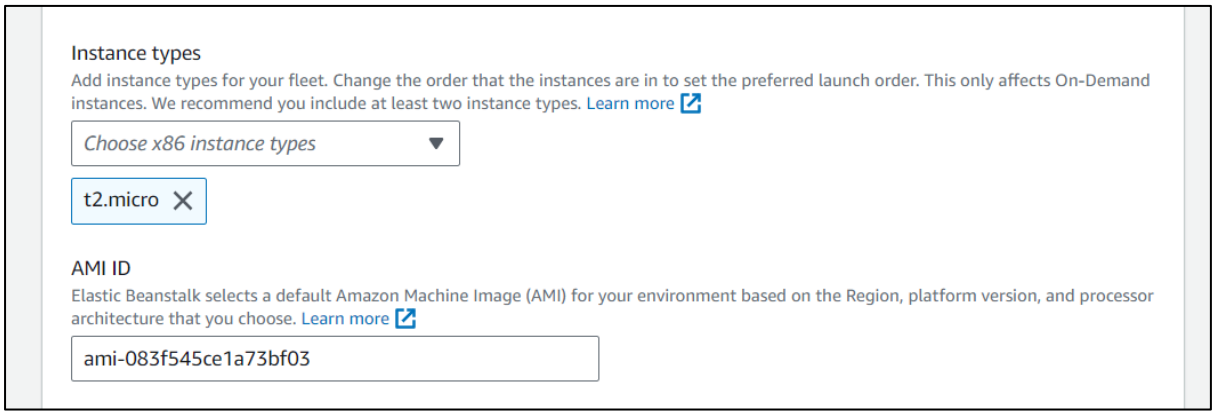
7. In the setup network section select a vpc and instance subnets then click on next.



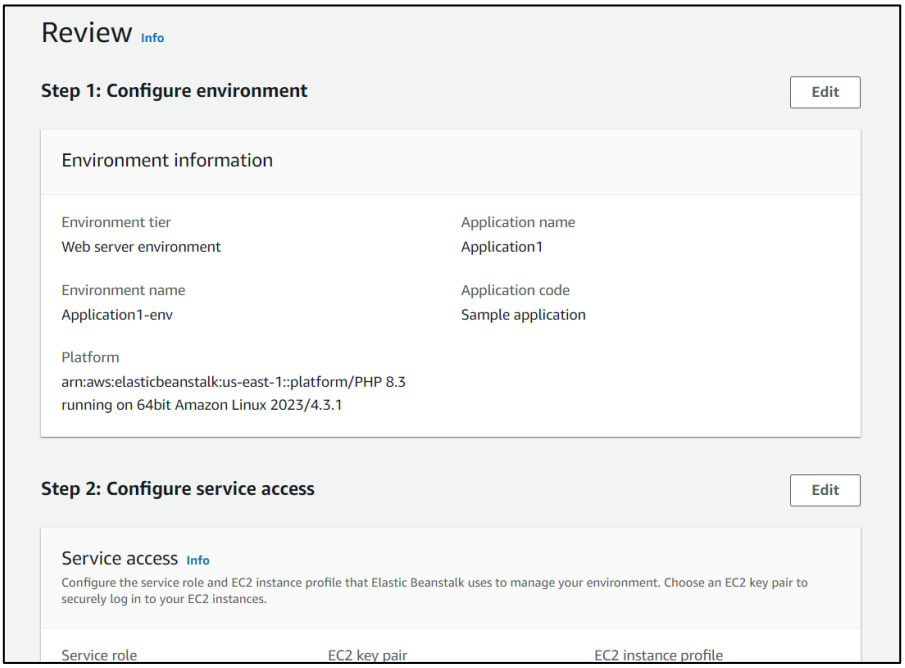


8. In the next step select EC2 security groups and set instance type as t2.micro

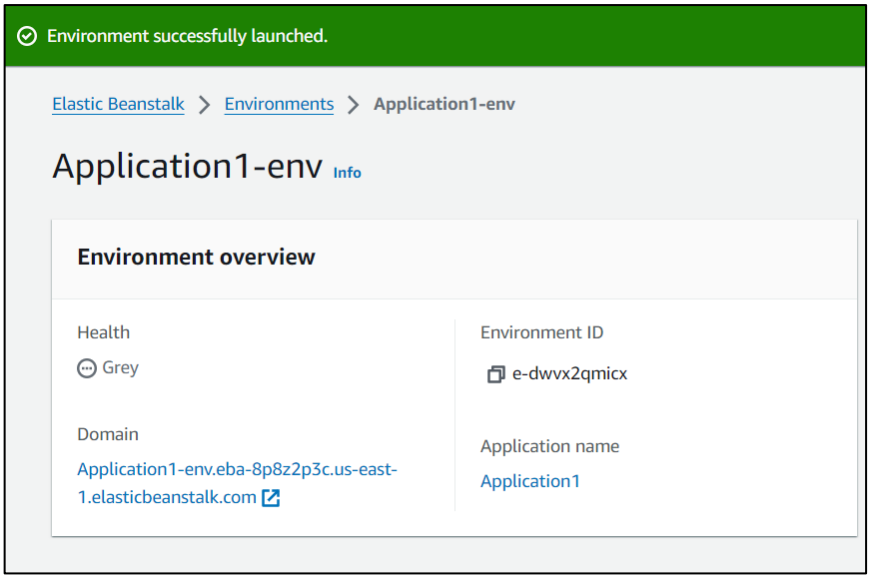




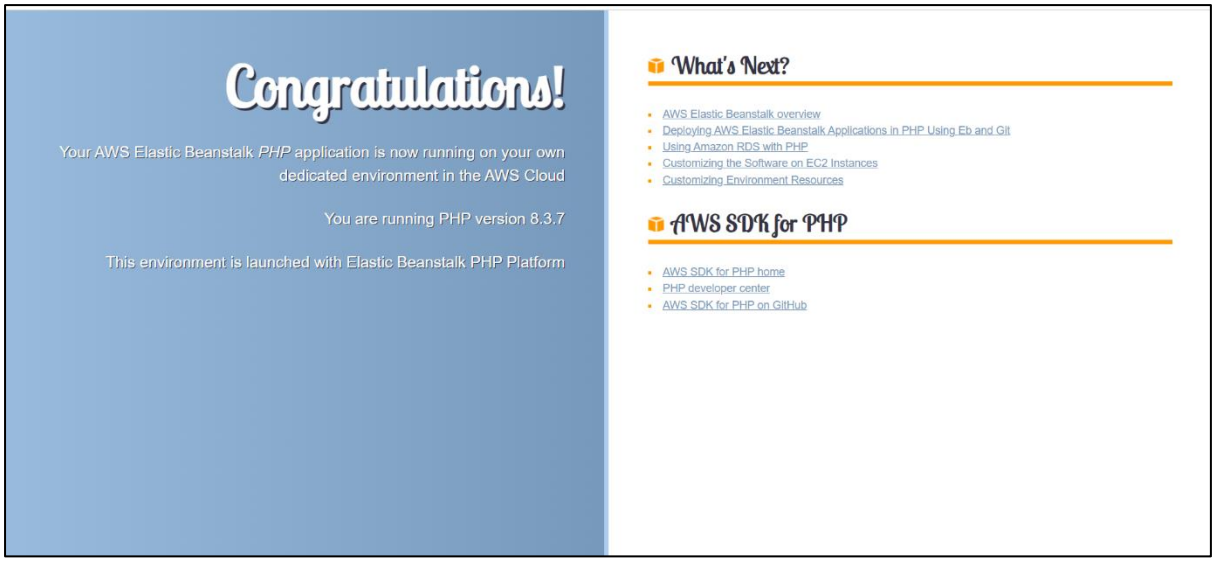
9. Next is the review page where you can check the configurations that have been set in the previous steps. Click on submit.

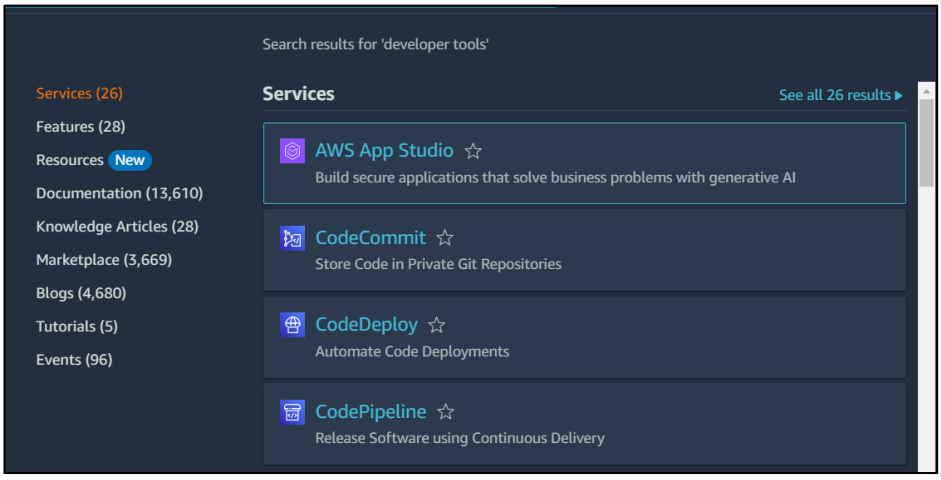


10. Your environment will be successfully created.

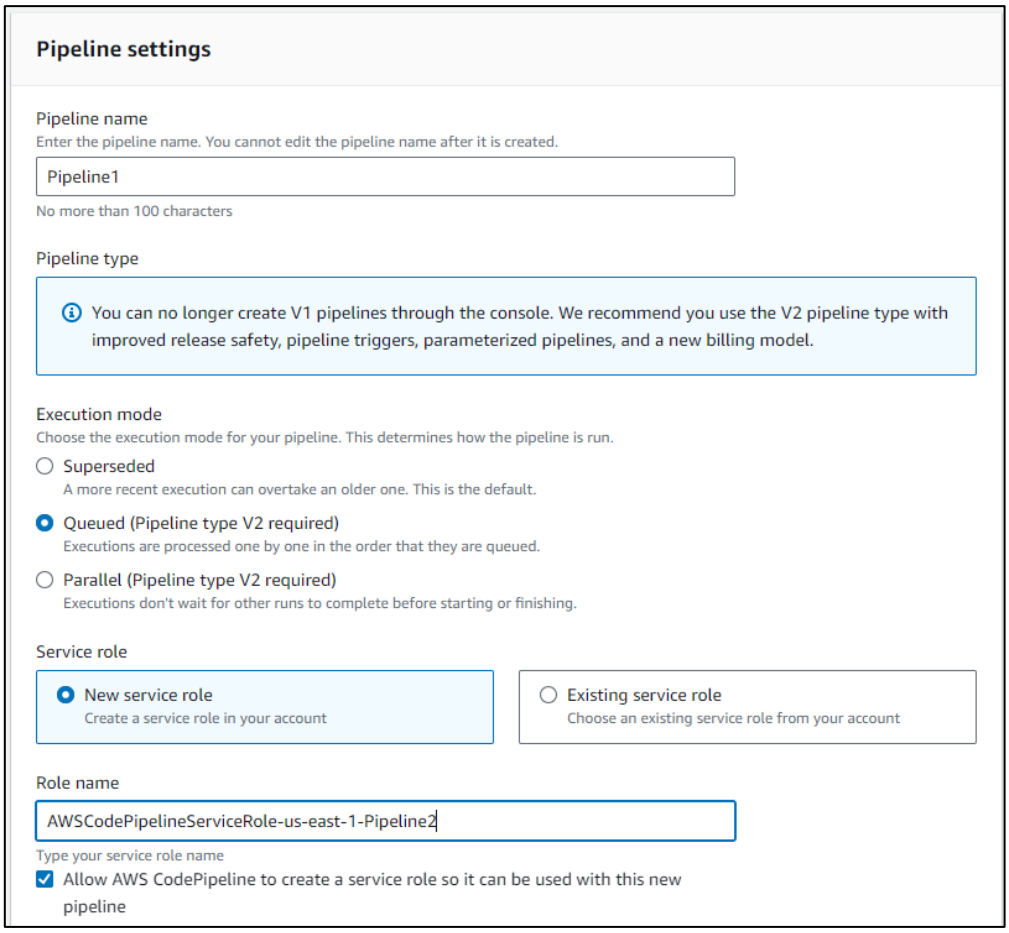


11. After clicking on domain link the page given below will open:



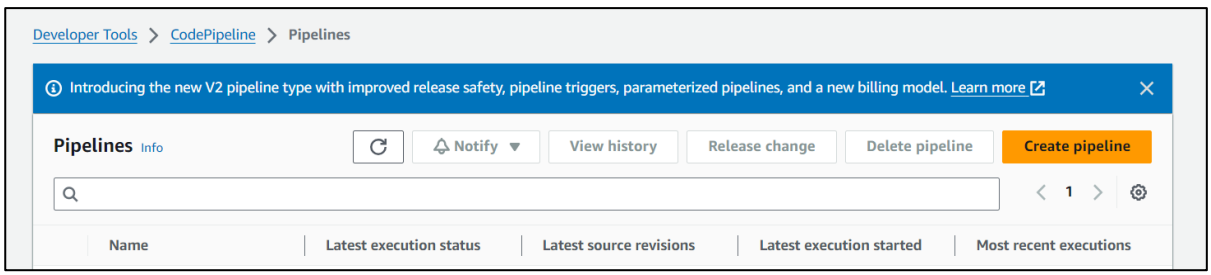


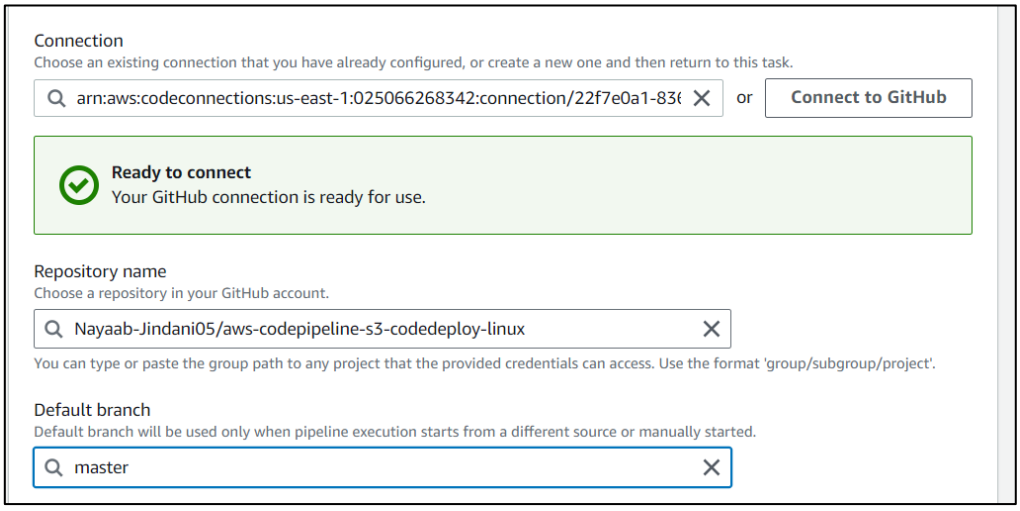
12. Now we will create a pipeline. Go to services and select CodePipeline.



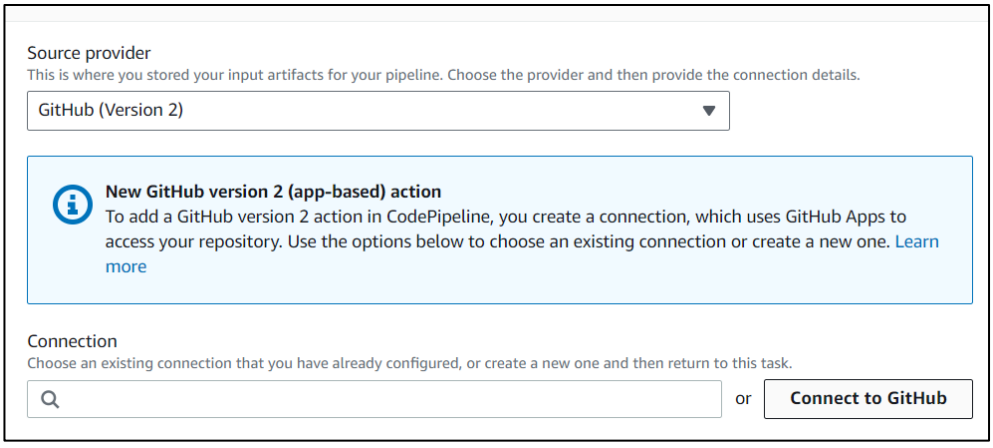
13. Select create pipeline.

14. In step 1 give the pipeline name



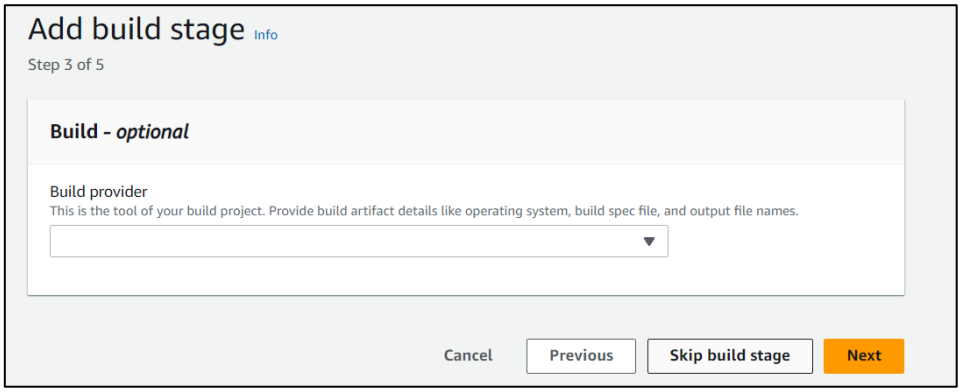


15. In Add source stage select GitHub version2 as the source provider and then connect your AWS to GitHub account and if there is a connection which already exists then select that.

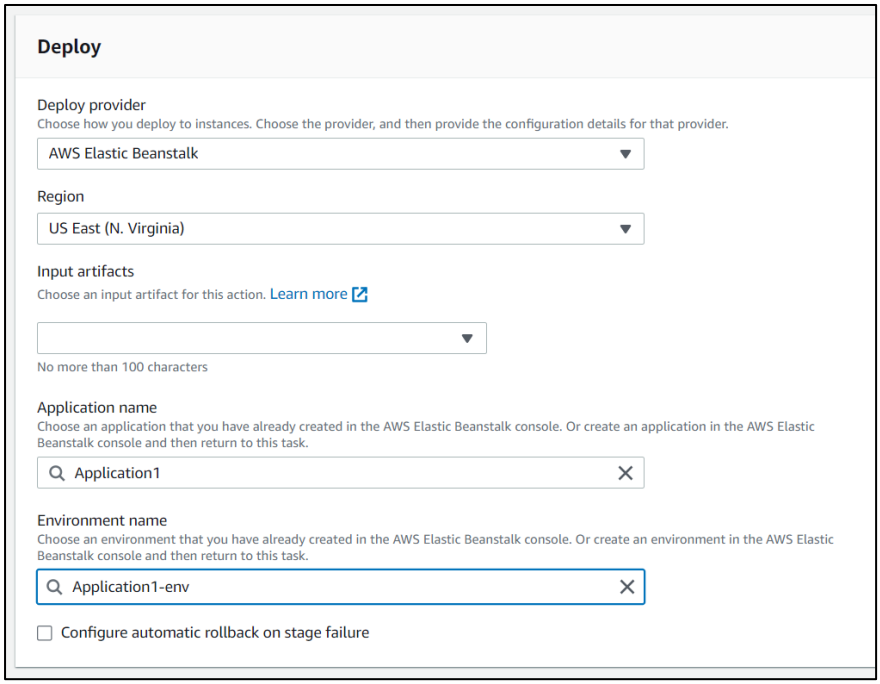


16. After connecting to GitHub select the repository name and default branch.

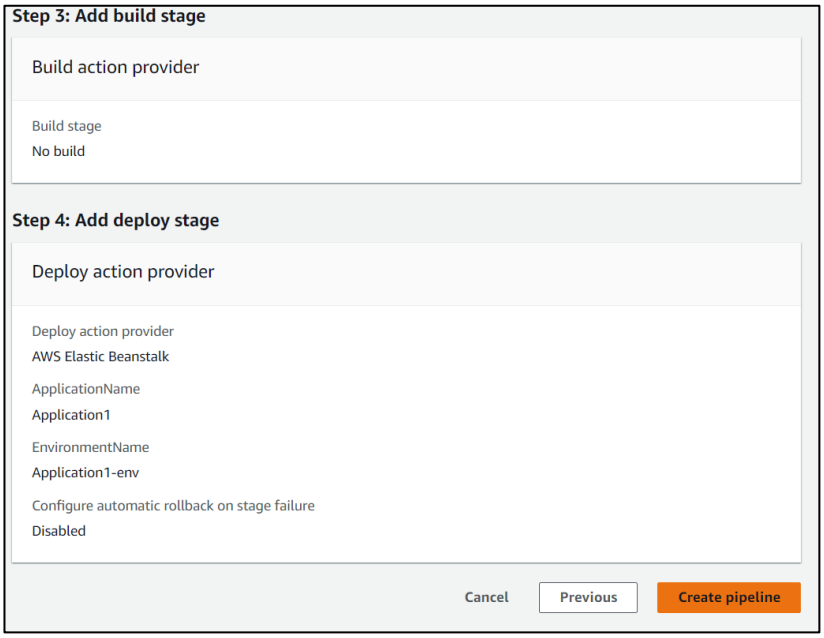
17. Skip the build stage and go to deploy stage



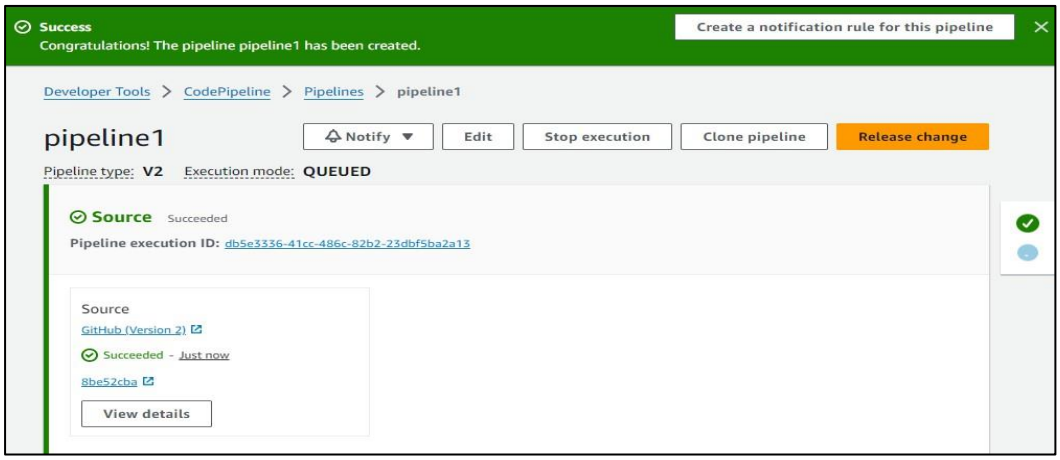
18. In the deploy stage select AWS Elastic Beanstalk as the deploy provider and also select the application name, environment name created earlier.

19. In 

the review stage check all the settings that have been done and select create pipeline.



20. This screen means that pipeline creation is successful



21. Now we can select the URL and it will open a sample website that we have created.