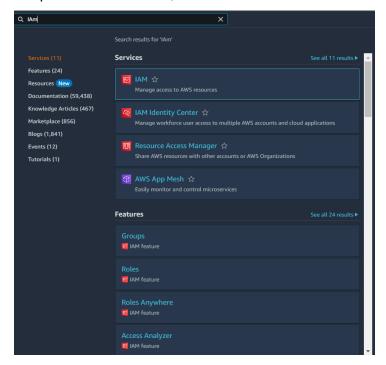
## **Experiment No: 2**

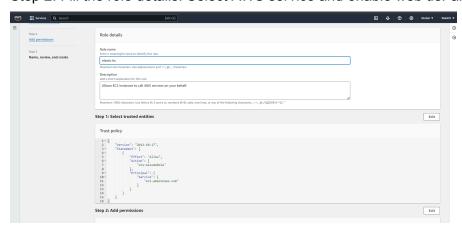
Aim: To Build Your Application using AWS CodeBuild and Deploy on S3 / SEBS using

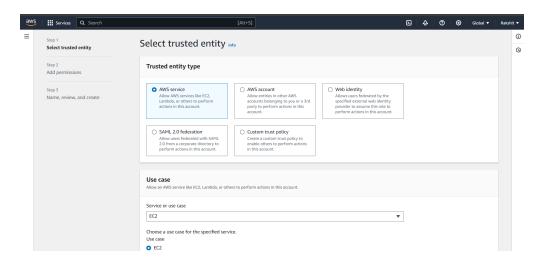
AWS CodePipeline, deploy Sample Application on EC2 instance using AWS CodeDeploy.

Step 1: Search for IAM, Go to Roles section and click on create a role.

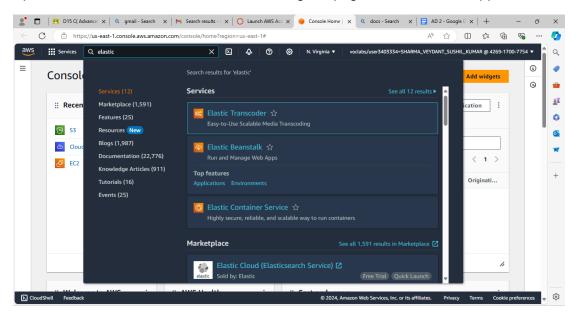


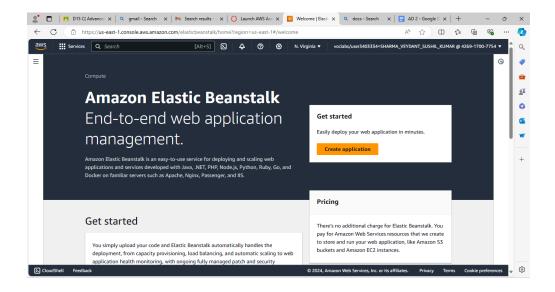
Step 2: Fill the role details. Select AWS service and enable web tier and work tier permissions.



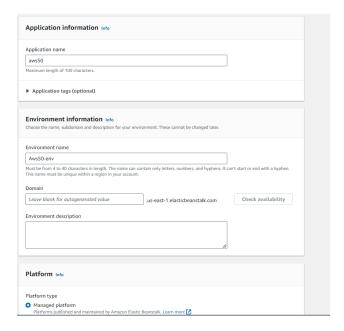


Step 3: Search elastic beanstalk. After loading the page click on Create application.

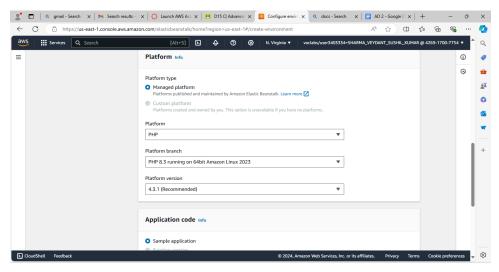




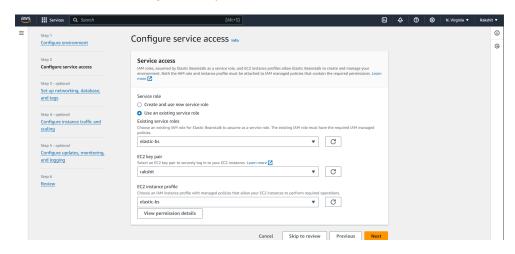
Step 4: Create application, provide application name and environment



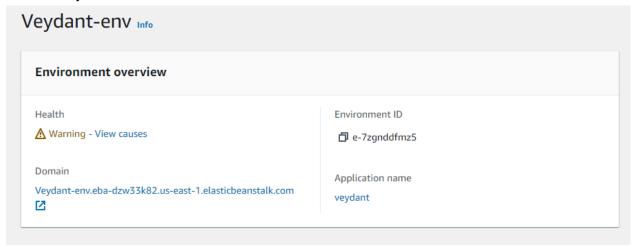
## Select the platform.



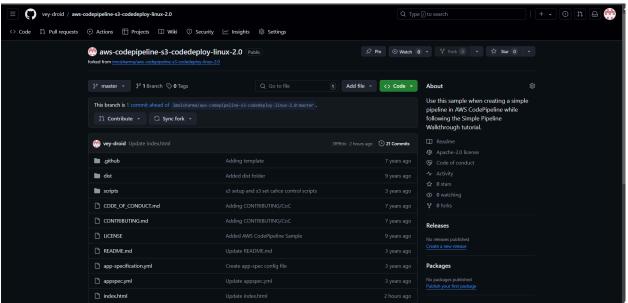
Click on 'Use existing service role' in the service menu . Assign the service role as the one create in IAM, also assign the key pair.

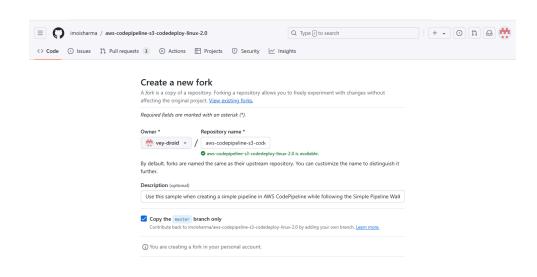


Keep the rest of the settings as default. Wait for the environment to be created/launched successfully.

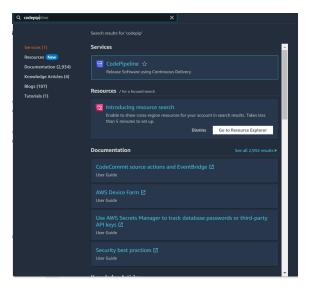


Step 5: Get a sample of the code from github, fork the repository.

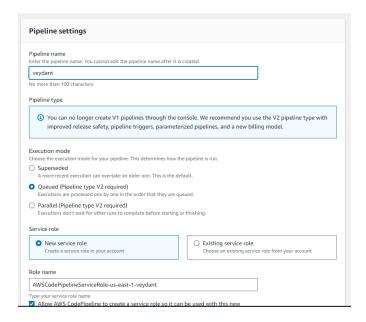




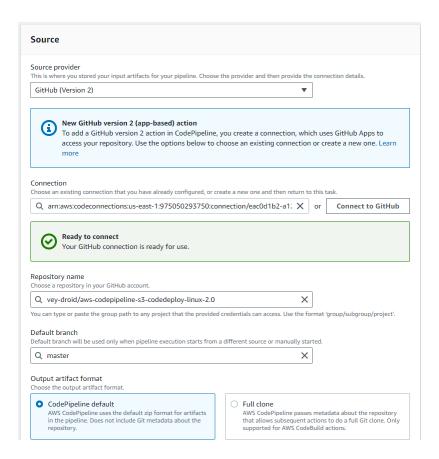
Step 6: Go to codepipeline, Create new pipeline.



Step 7: Name the pipeline. Head on to the 'Source' Page.

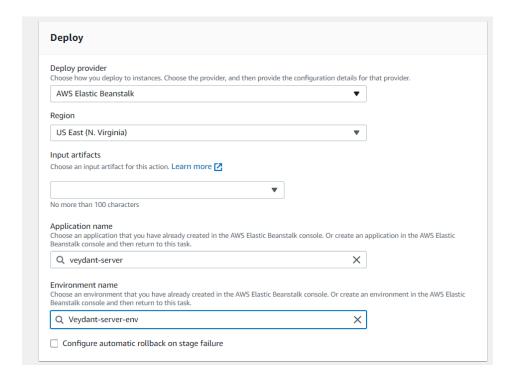


On the source page, select source provider as Github V2 ,  $\,$  connect github account, and select the repository and the branch.

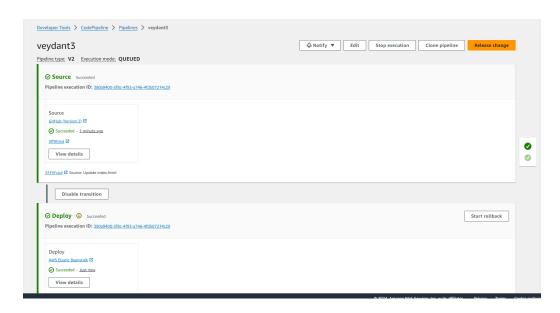


Select defaults and skip the build page.

On the deploy page, select provider as AWS Elastic Beanstalk. Select the Application and environment name, then proceed further.



Step 8: The pipeline will be launched in a few moments, once it is successfully created head over to elastic beanstalk environment.



Step 9: A URL will be created on the environment page, that is the hosted link, click on it.

