Creating a CI/CD pipeline with AWS EBS, Code commit & Code pipeline services

To perform this task we have some pre-requisites to fulfill:-

1. **AWS Config should be installed in your machine**
2. **There is already a IAM user with some necessary permissions like :**
    a. **Elastic Bean Stalk full access**
    b. **Code pipeline full access**
    c. **Code commit full access**
3. **To give a programmatic access you should have activated access key and secret key which can be takes from security credentials of that user.**

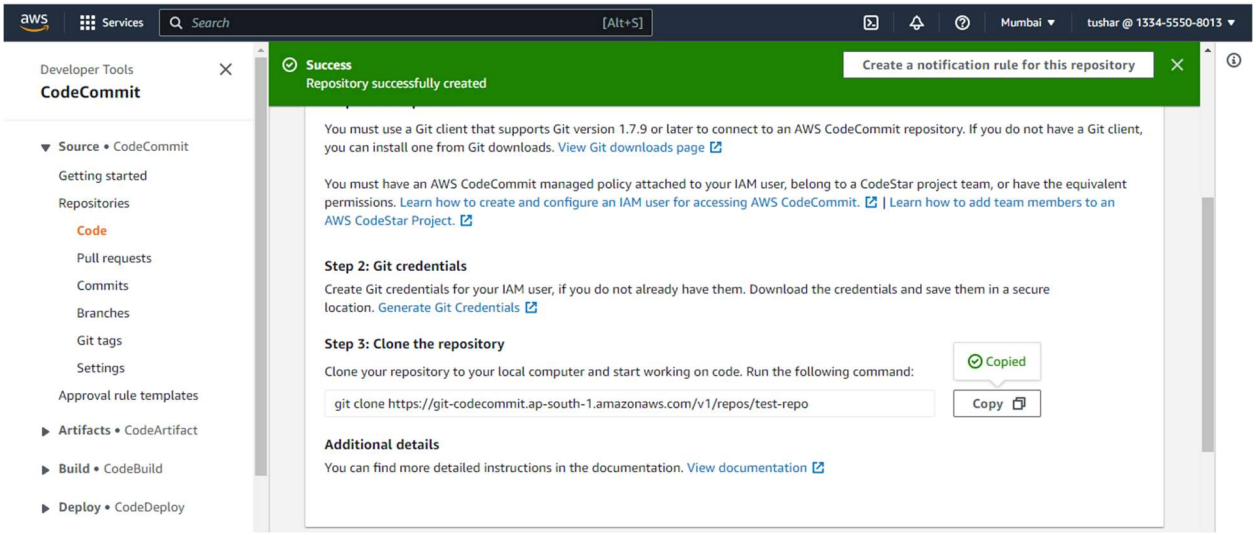
Now, after fulfilling the pre-requisites follow the below steps to perform the task.

1. Open your machine terminal, I am using Gitbash in my machine.
2. Use command “aws config” to connect to your aws account.
3. It will ask you to provide Access & secret ket as shown below:

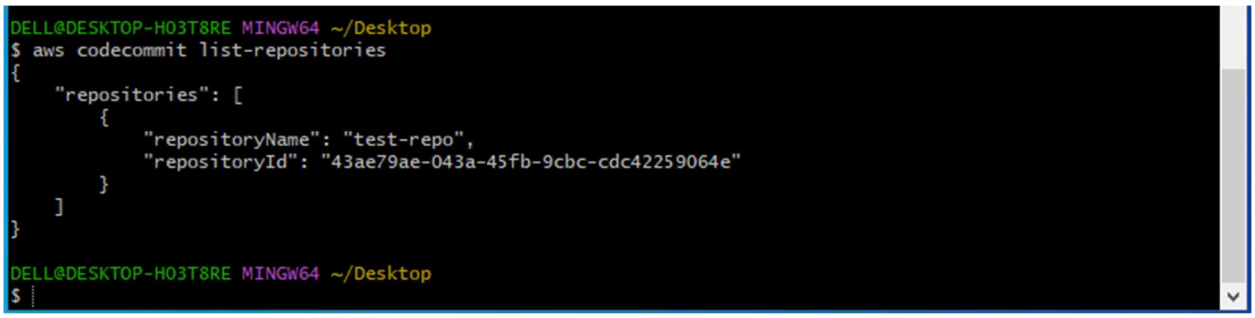
(Note : Access key & secret key should be confidential, in my case I have already deactivated and deleted my keys)

4. After providing keys provide the region in which you want or will work & then output format.

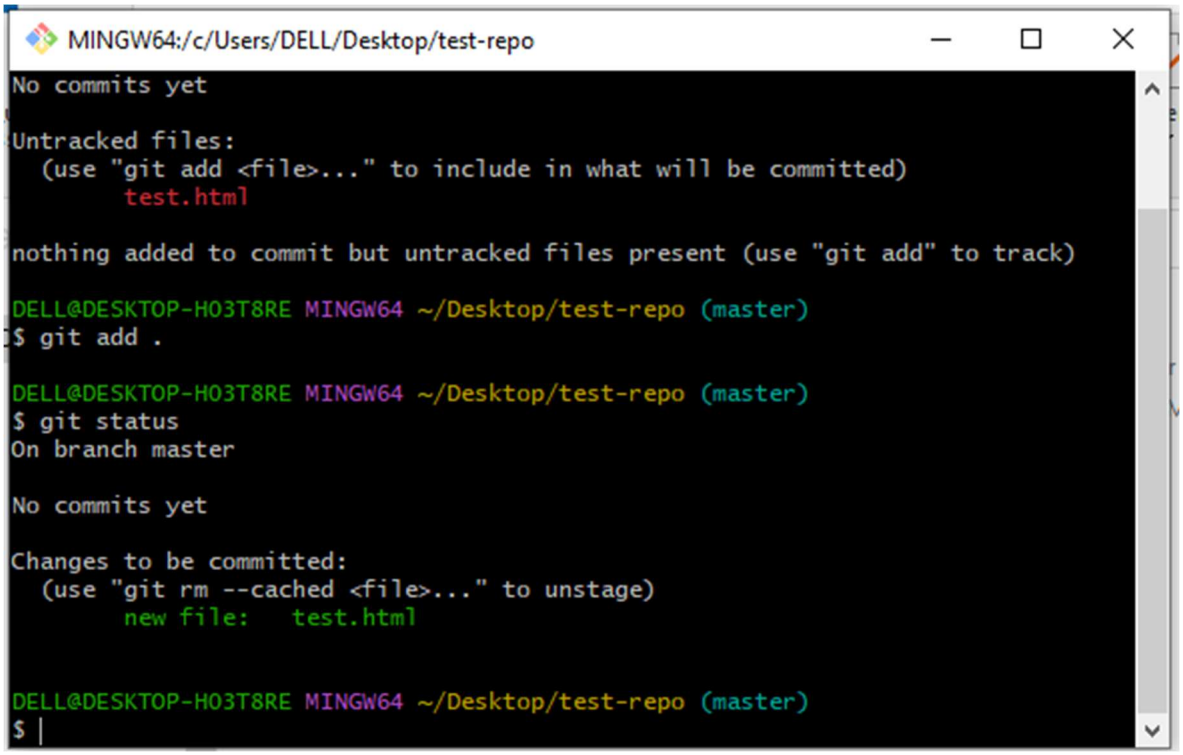
5. Now, go to your aws account then go to code commit & create a repository with a name you like.
6. Copy the link of that repo to create a local repo in your machine from where you can create and push the files in aws repo.



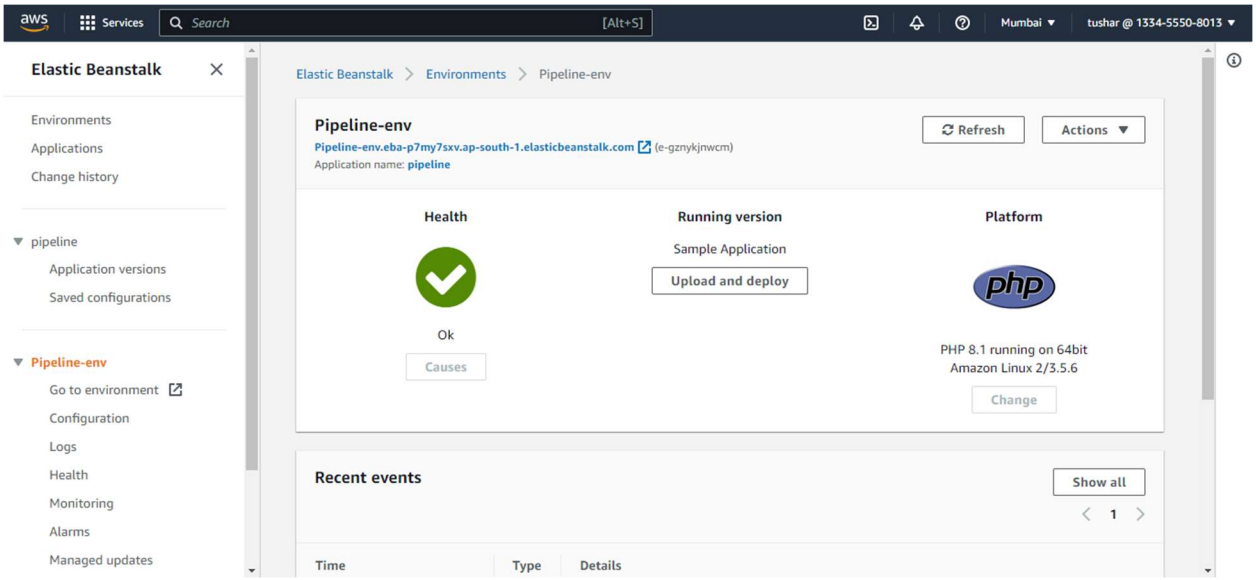
7. Put the code in your terminal and run the code.
8. After that you can check whether the repo is created or not by running this command “aws codecommit list-repositories”.



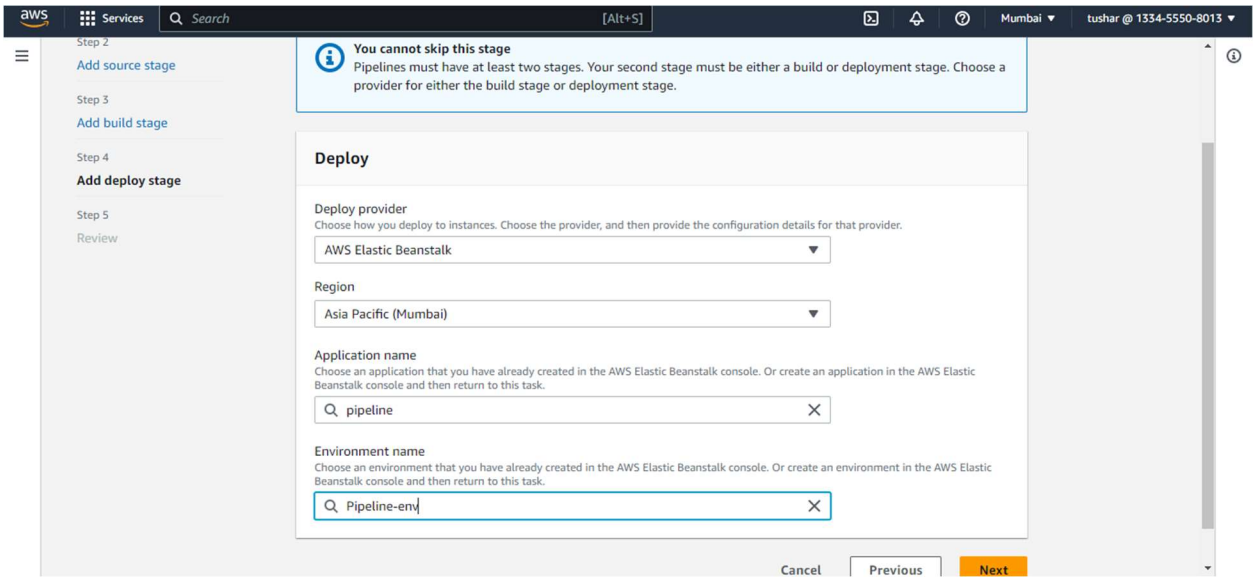
9. Create .html file in that local repo or you can take it from my github repo for sample https://github.com/TusharChauhan771/EBS-codepipeline.git



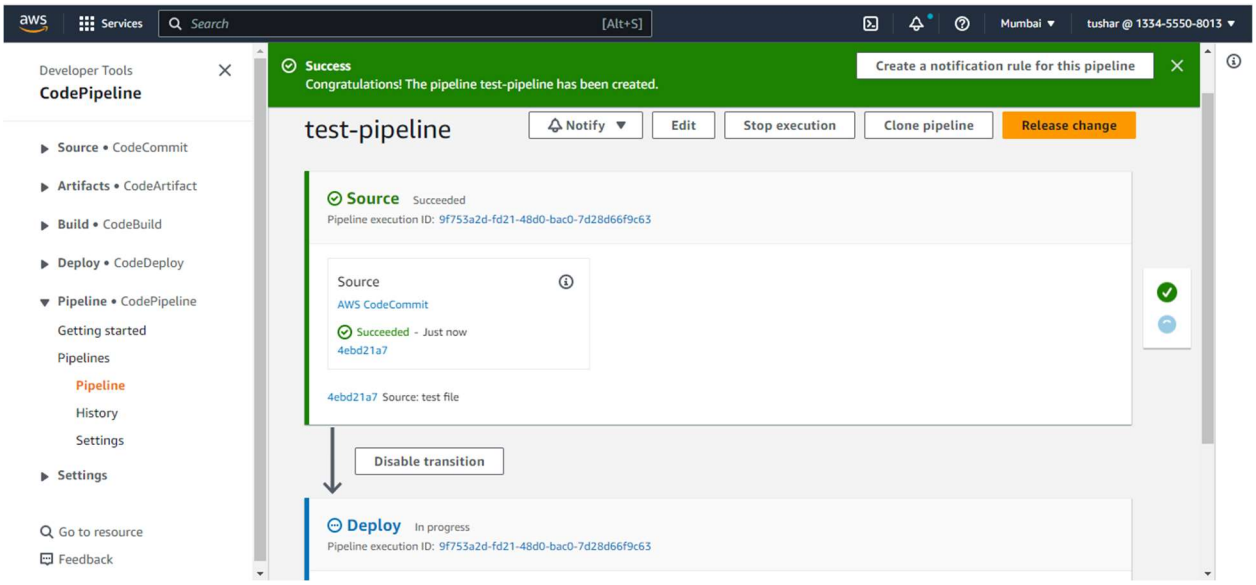
10. Add & commit the file with commands show in above picture.
11. Now push the code to AWS codecommit repo.
12. Go to EBS and create the environment with PHP platform.



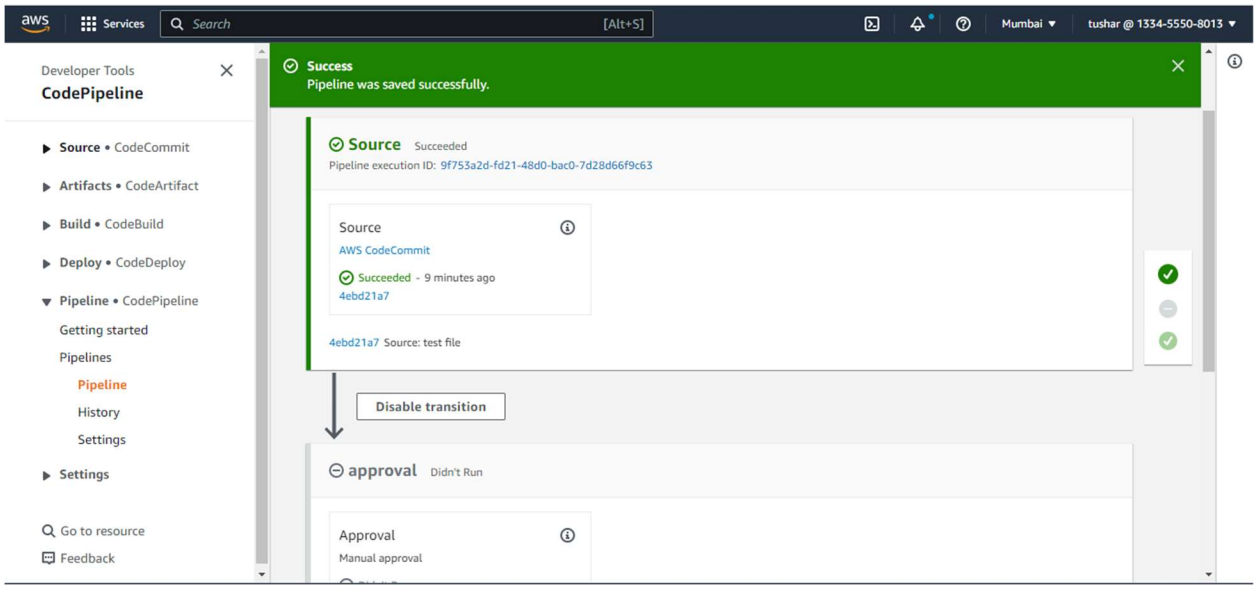
13. When created, then go to code pipeline and provide the source and deployment platform.



14. Your cod pipeline should be completed and it should look like below:



15. If you want to add steps between the stages, click on EDIT button shown on top.
16. Then you can add more stages like approval.



17. Now, whenever user passes the approval then only the changes or code will be deployed.