AWS Task-5

Deploy a simple web application using AWS code commit, code build and deploy & access via browser and automate via codepipeline

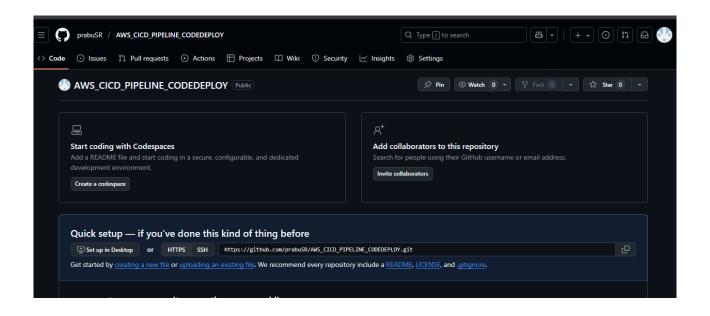
Aws has stopped CodeCommit service, so i used Github.

AWS CodeCommit is no longer available to new customers. Existing customers of AWS CodeCommit can continue to use the service as normal. Learn more.

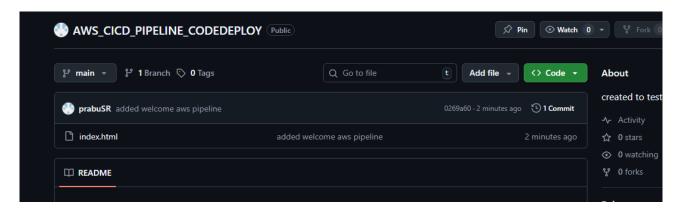
→

AWS CodeCommit is no longer available to new customers, a change that became effective on July 25, 2024. ⁴ As of this date, only customers who already have an existing repository in AWS CodeCommit can create additional repositories. ⁸ This decision was confirmed by AWS chief evangelist Jeff Barr, who stated that while new customer onboarding has ceased, existing customers can continue to use the service as normal. ² AWS continues to invest in security, availability, and performance improvements for CodeCommit but does not plan to introduce new features, except for those related to security and availability. ⁵ For new users, AWS recommends alternatives such as Amazon CodeCatalyst, GitLab, GitHub, or other third-party source providers. ⁴

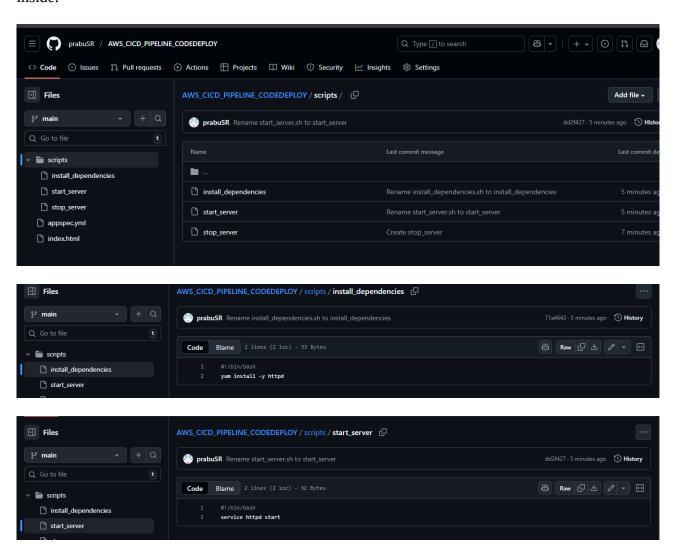
1. I created a new repository for this CICD task in aws.

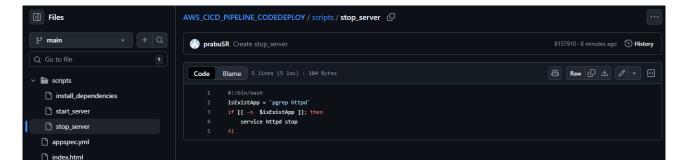


in this repository i created a simple index.html page

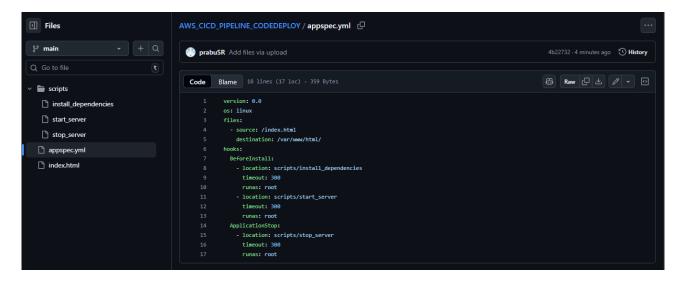


i created a scripts folder which contain install_dependencies, start_server,stop_server – shell scripit inside.



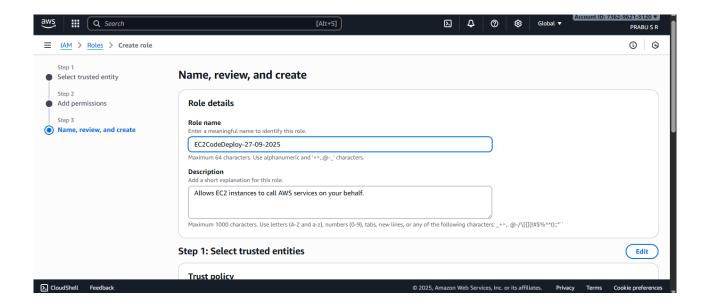


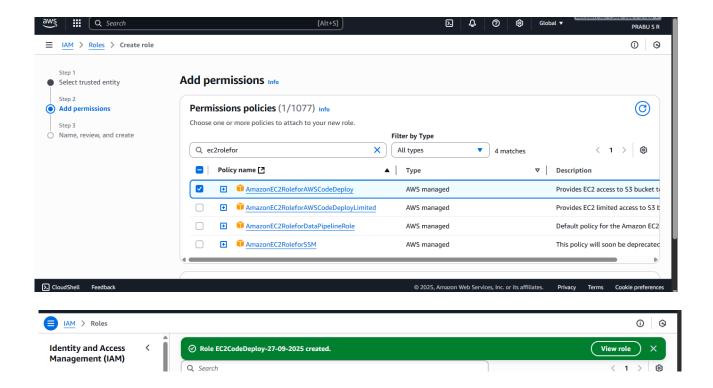
i created appspec.yml file, which instruct what to do.



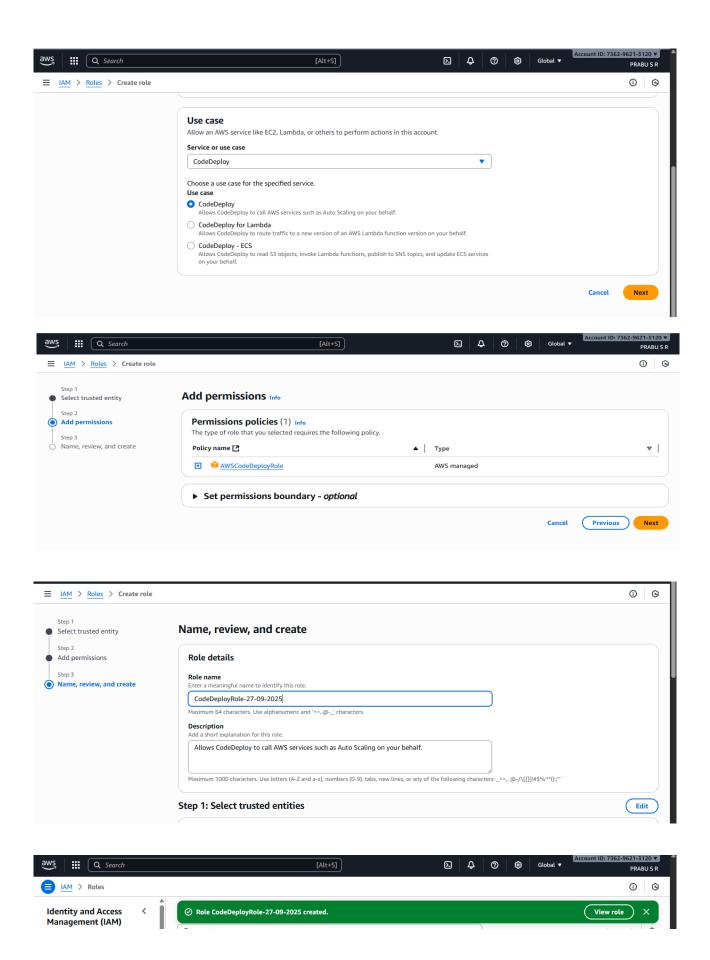
https://github.com/prabuSR/AWS_CICD_PIPELINE_CODEDEPLOY.git

i created two roles one for ec2 and another for codedeploy as these services going to talk.

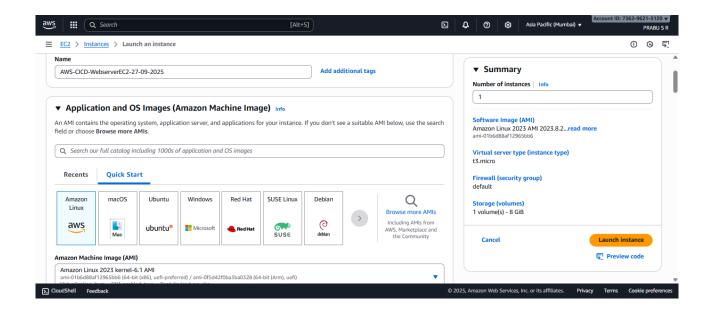


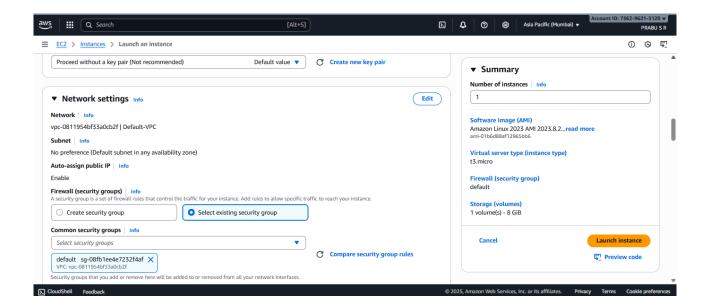


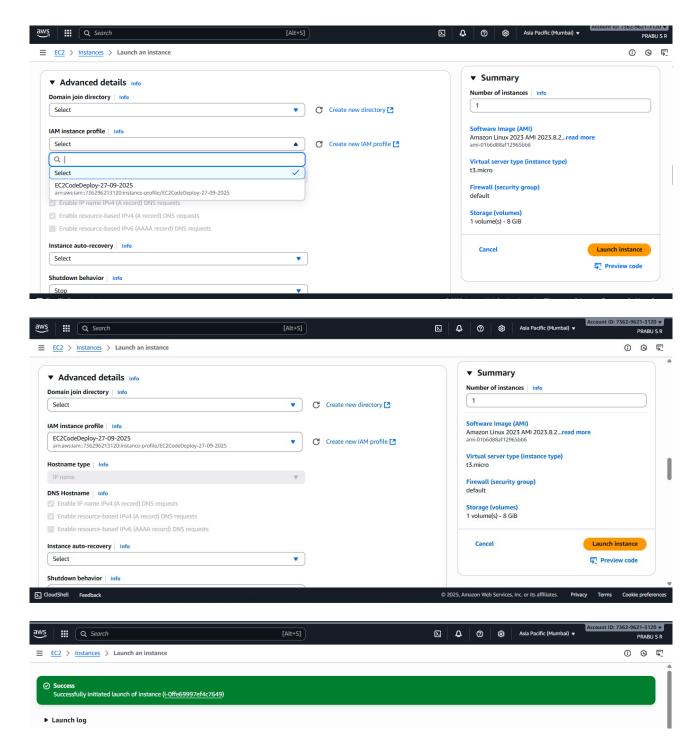
role for codedeploy



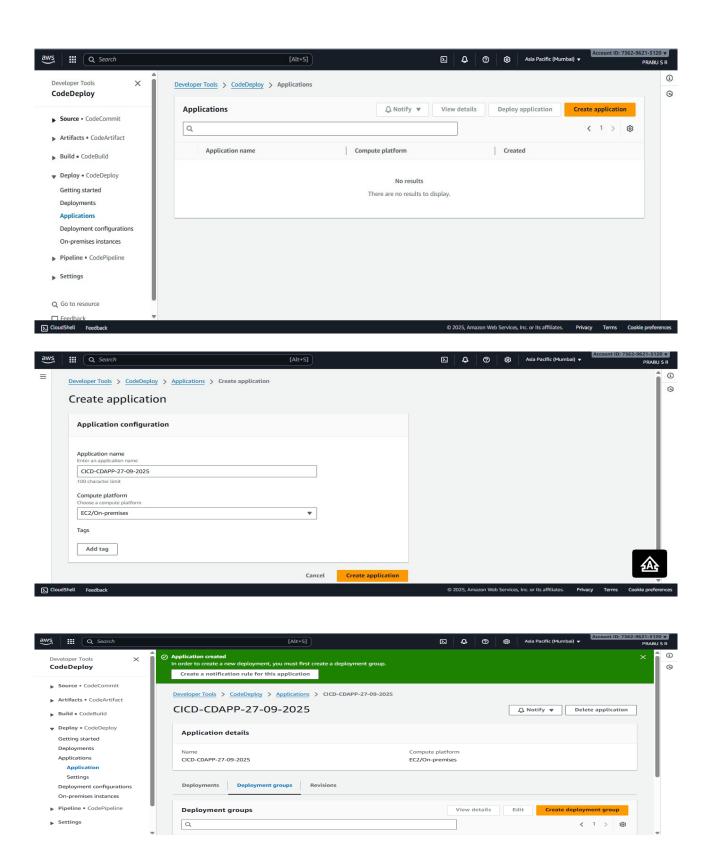
2. i created ec2- instance as webserver



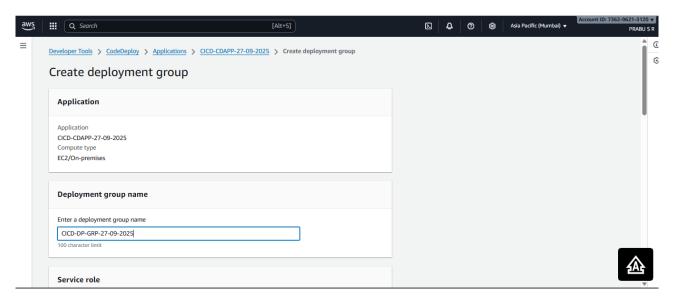


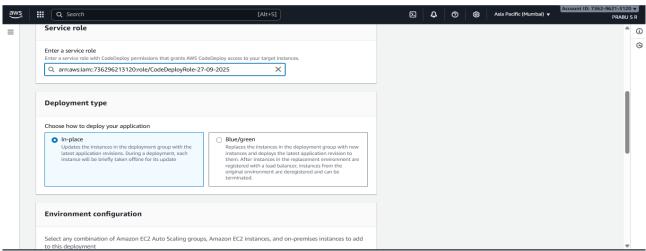


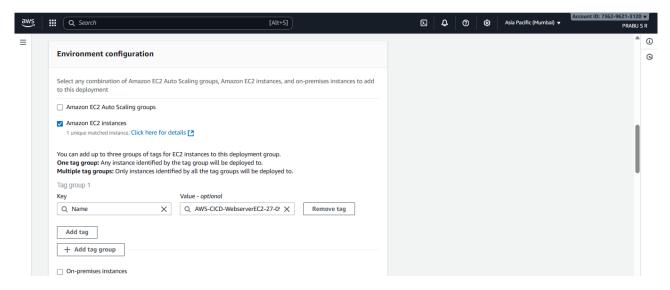
3. i created codedeploy application

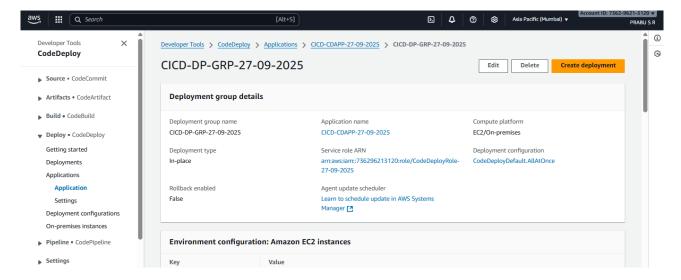


after creating code deploy simultaneously create deployment group





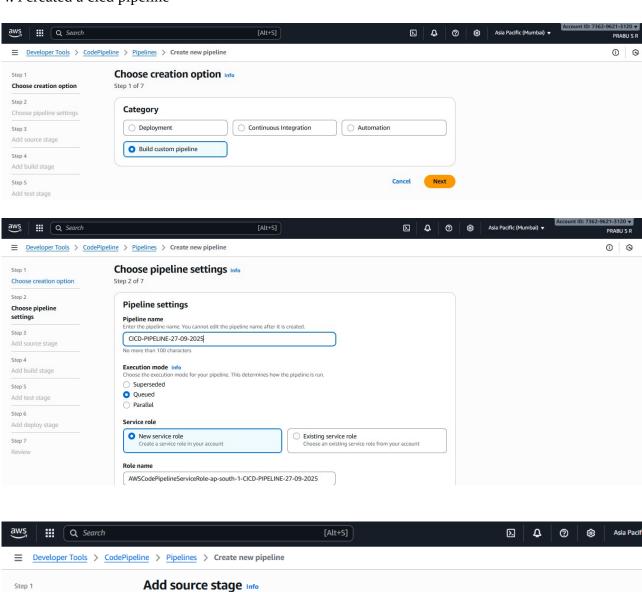




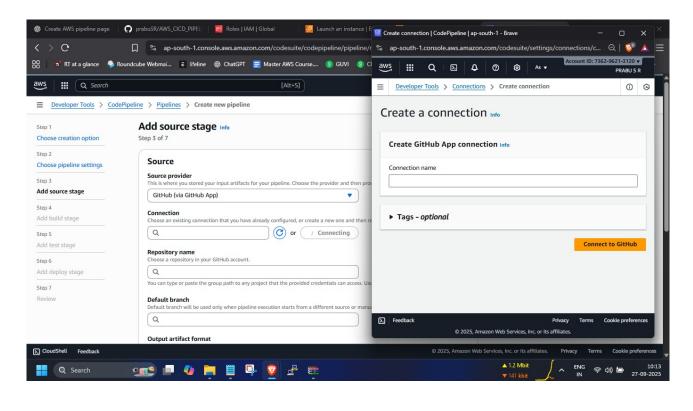
4. i created a cicd pipeline

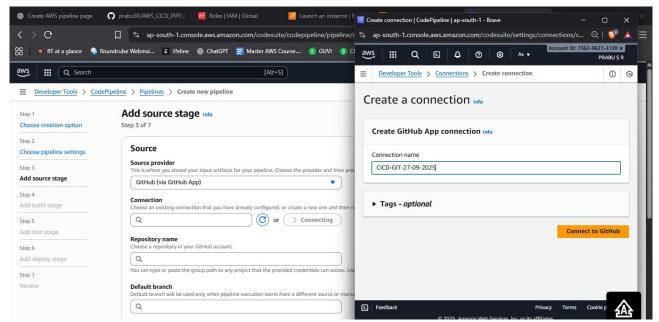
Step 3 of 7

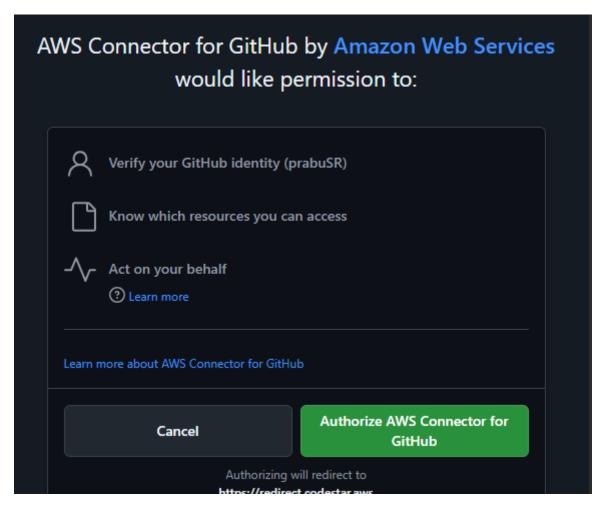
Choose creation option

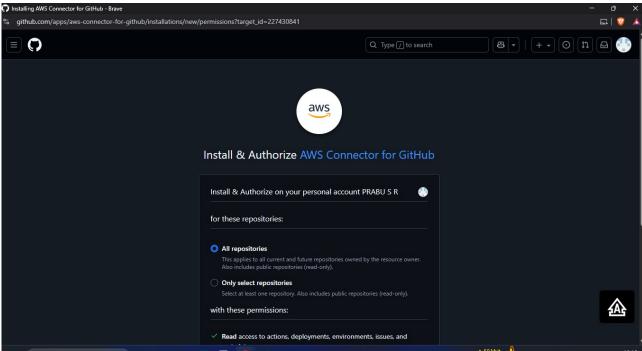


here, we need to connect to out github application getting permission from github by aws.

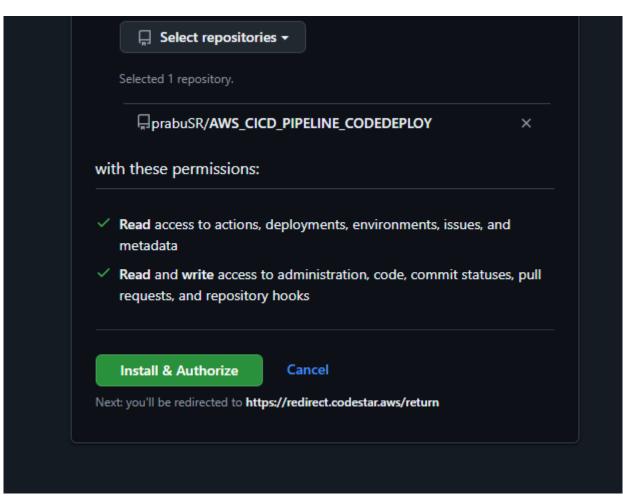


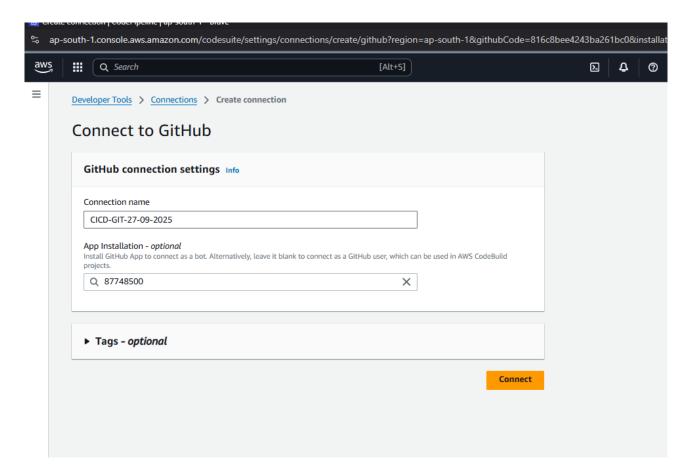




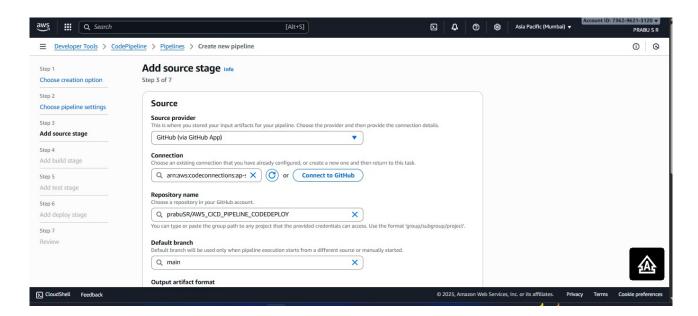


	All repositories This applies to all current and future repositories owned by the resource owner. Also includes public repositories (read-only).
0	Only select repositories Select at least one repository. Also includes public repositories (read-only). ☐ Select repositories ▼
	Selected 1 repository. prabuSR/AWS_CICD_PIPELINE_CODEDEPLOY ×

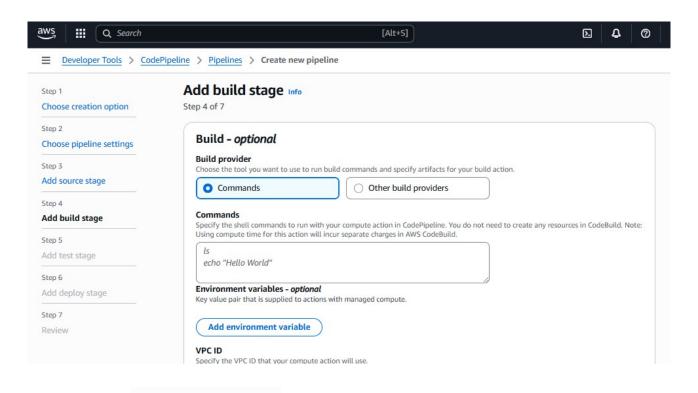




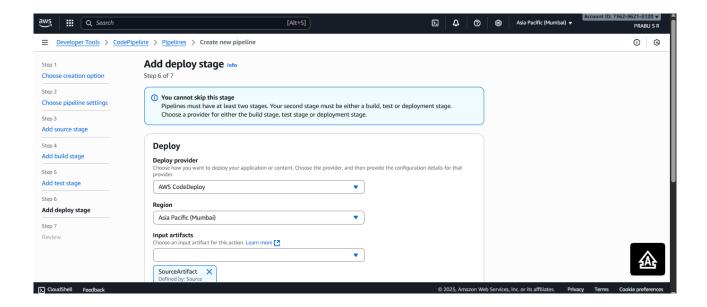
after clicking connect it will automatically redirect to add source stage

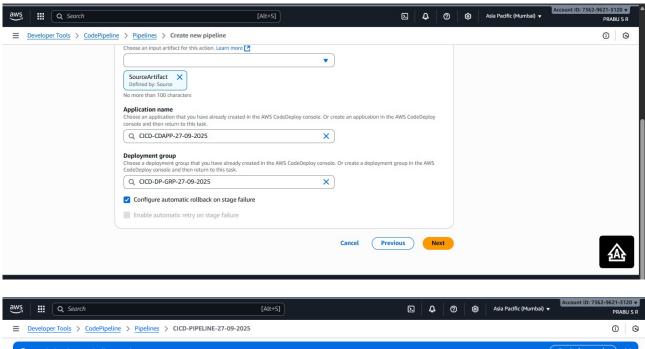


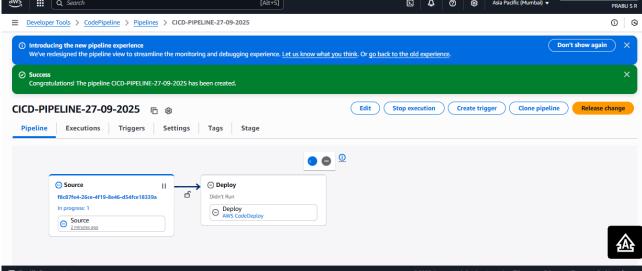
skip this build stage



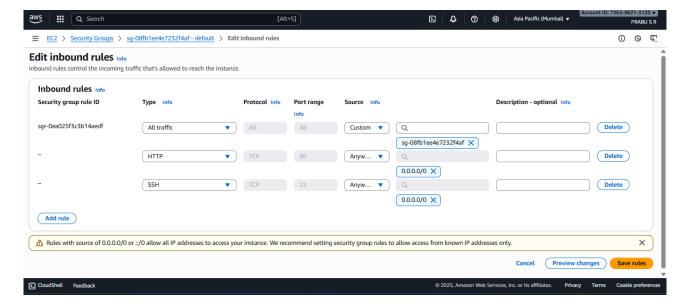
Skip build stage







check once with ec2 instance security group inbound rules, need to be http/ssh allowed anywhere, then only it will work in browser.



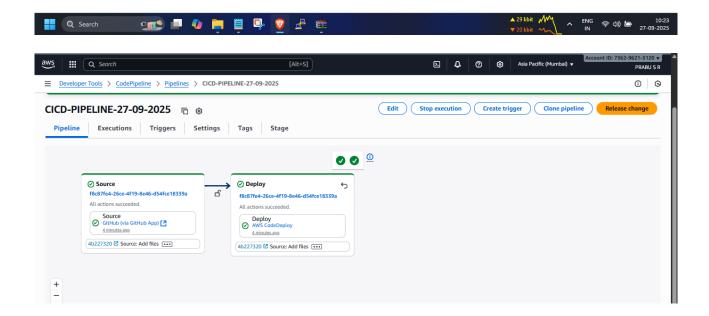
paste the public ip in browser



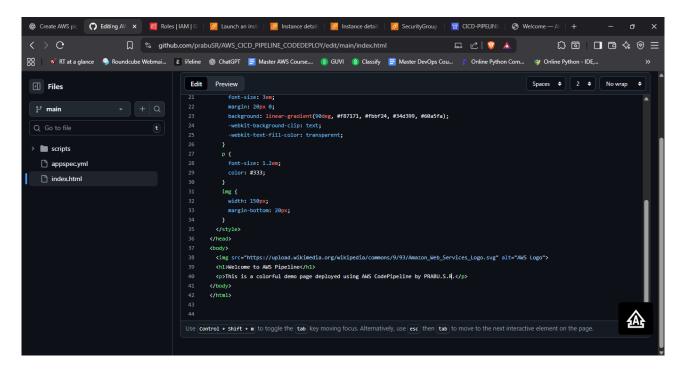


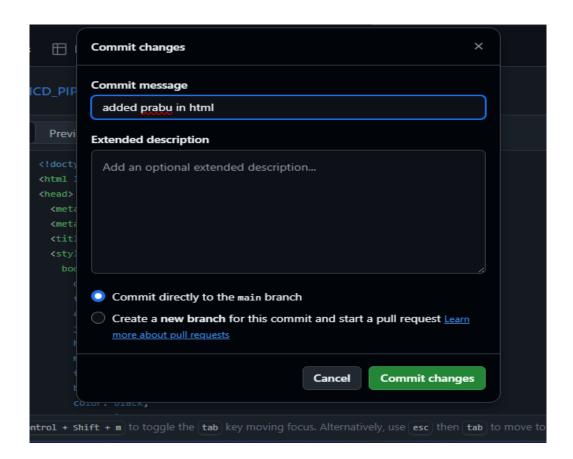
Welcome to AWS Pipeline

This is a colorful demo page deployed using AWS CodePipeline.

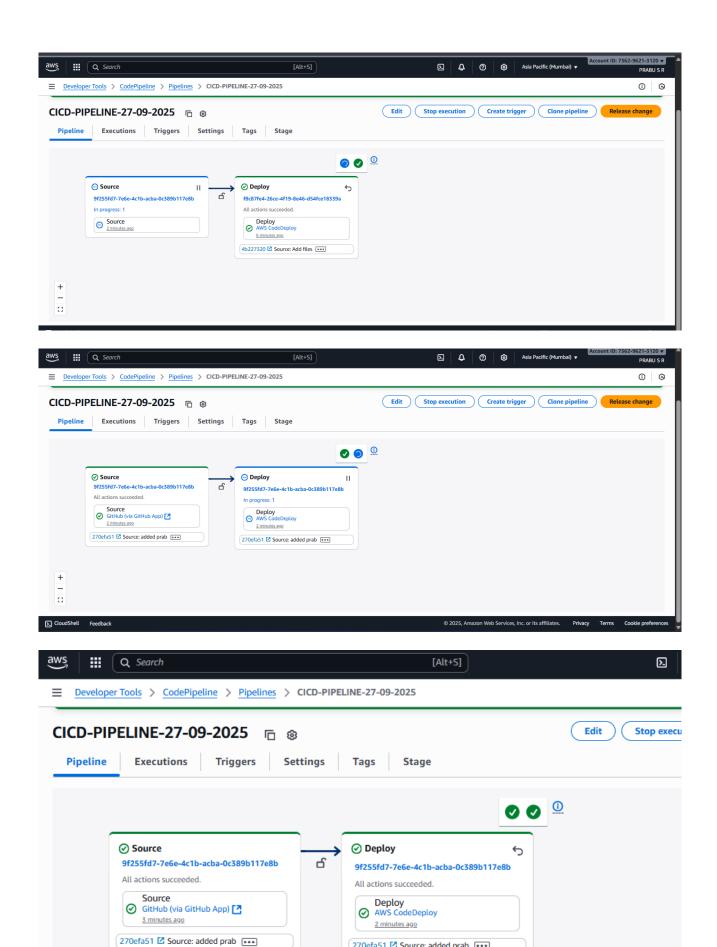


i going to do small change in code how this cicd works





once i give commit changes the pipeline automatically update and deployment



270efa51 🗹 Source: added prab 🚥





This is a colorful demo page deployed using AWS CodePipeline by PRABU.S.R.

