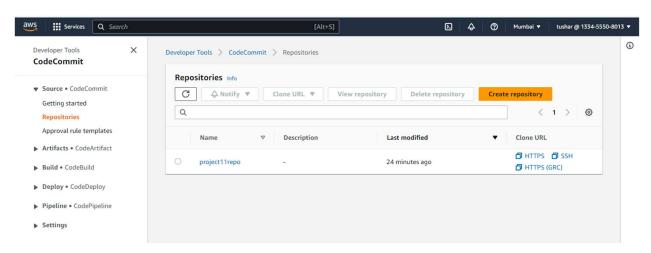
Creating a CI/CD Pipeline to deploy a static website on S3 service with Code pipeline & Code commit

Pre-Requisites:

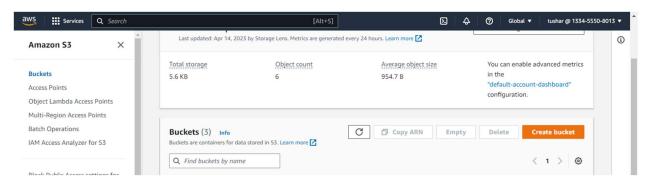
- 1. User should have required permissions like code commit full access, code pipeline full access, S3 access etc.
- 2. User should have access keys for "aws configure" & git credentials.

Procedure:

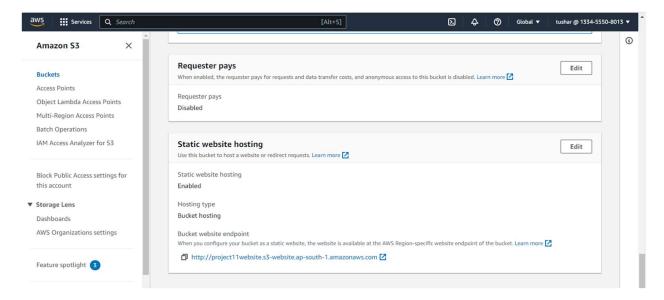
1. Log in to your AWS account, go to code commit & create a repository.



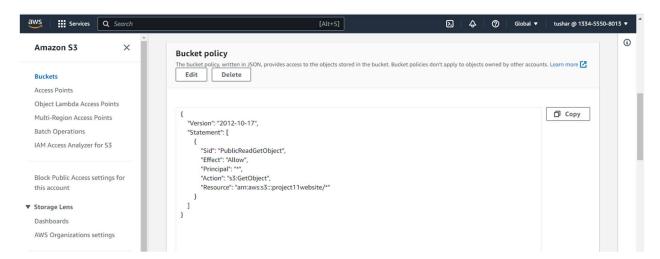
2. After creating repository, go to S3 & create a bucket.



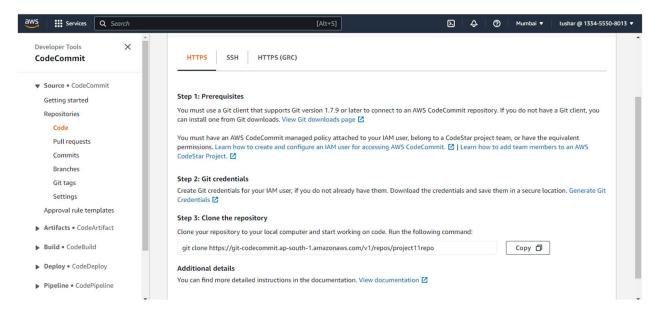
3. After bucket is created, go to properties and enable static website hosting.



4. Create a bucket policy to make your bucket public.



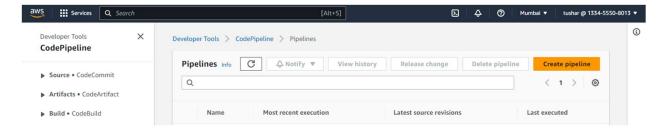
5. Now you bucket is all set up, go to code commit again and copy the command to clone the repo in your local machine.



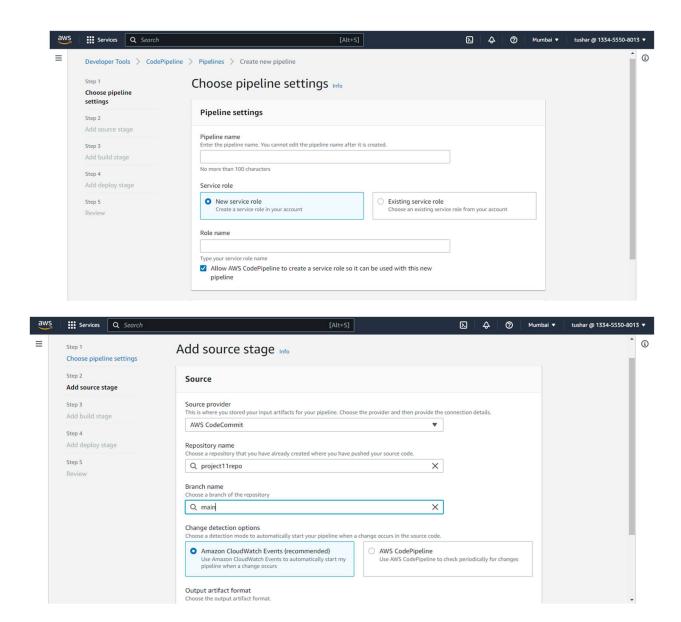
- 6. Now open your machine terminal, connect to aws account through "aws configure"
- 7. Use access keys to connect, then paste the command to clone.

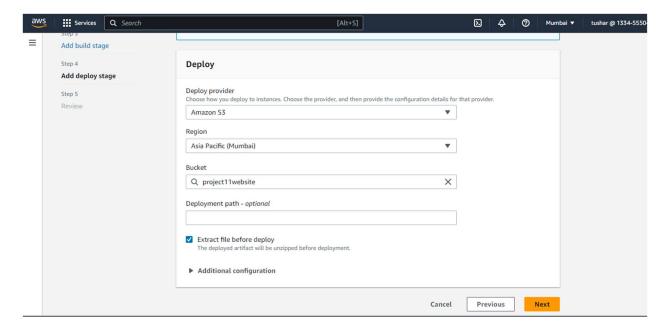
```
ELL@DESKTOP-H03T8RE MINGW64 ~/Desktop
$ aws configure
AWS Secret Access Key [***************V10f]: nXi4M1aejgrI930X0aajwOHFg14pnQZV5m
Default region name [ap-south-1]: ap-south-1
Default output format [json]: json
DELL@DESKTOP-H03T8RE MINGW64 ~/Desktop
$ git clone https://git-codecommit.ap-south-1.amazonaws.com/v1/repos/project11re
Cloning into 'project11repo'...
fatal: unable to access 'https://git-codecommit.ap-south-1.amazonaws.com/v1/repo
s/project11repo/': The requested URL returned error: 403
DELL@DESKTOP-HO3T8RE MINGW64 ~/Desktop
 aws codecommit list-repositories
   "repositories": [
           "repositoryName": "project11repo",
           "repositoryId": "859fa076-c6f7-4d50-9eca-3aeb109950eb"
DELL@DESKTOP-HO3T8RE MINGW64 ~/Desktop
```

8. Now create pipeline as we have maintained S3 bucket & repo in code commit.

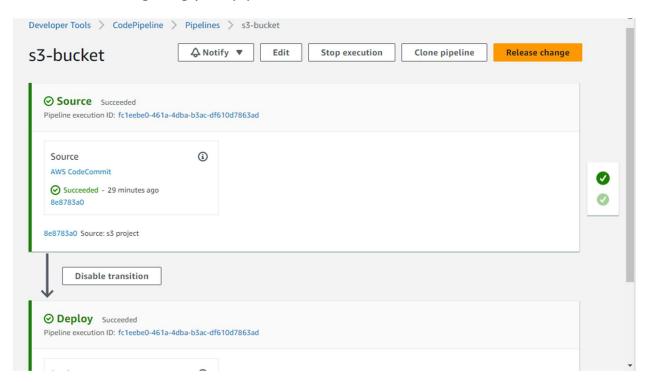


9. Now configure the steps like add source and destination.

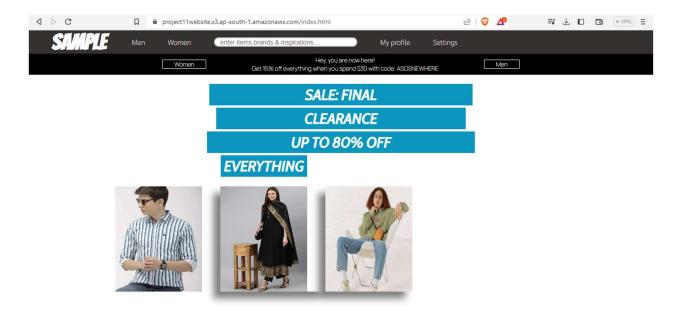




10. After configuring your pipeline is established.



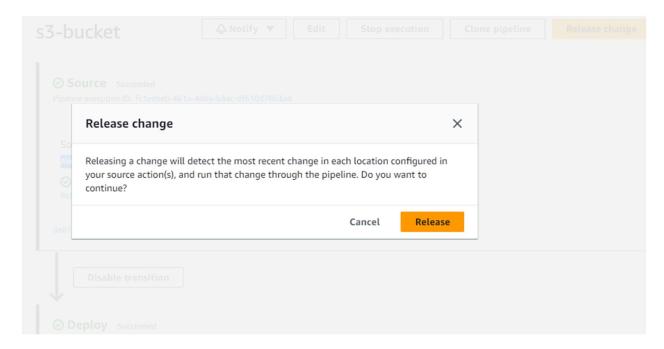
11.Let check the output.



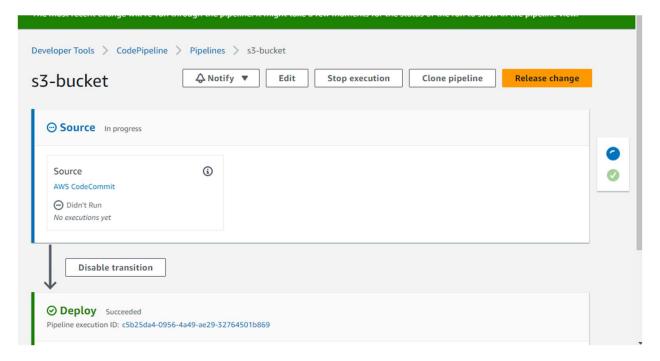
12. Now we have changed the "\$30" to "\$300" in index. html file, let see if changes take place.

```
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 2.27 KiB | 773.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Validating objects: 100%
To https://git-codecommit.ap-south-1.amazonaws.com/v1/repos/project11repo
    cbf8d4b..8e8783a main -> main
DELL@DESKTOP-HO3T8RE MINGW64 ~/Desktop/project11repo (main)
$ vi index.html
DELL@DESKTOP-HO3T8RE MINGW64 ~/Desktop/project11repo (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
no changes added to commit (use "git add" and/or "git commit -a")
DELL@DESKTOP-HO3T8RE MINGW64 ~/Desktop/project11repo (main)
```

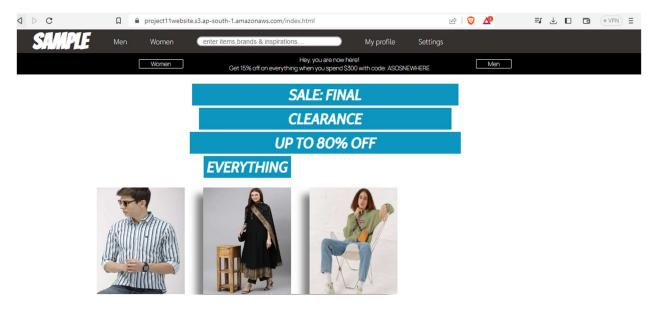
- 13. Push the new file to remote repo.
- 14. Click on release & release changes.



15. Your pipeline will start the process.



16. Now, let check the output.



Note:- To make bucket public, policy you can find in the attached github link.

https://github.com/TusharChauhan771/CI-CD-pipeline-with-S3bucket.git