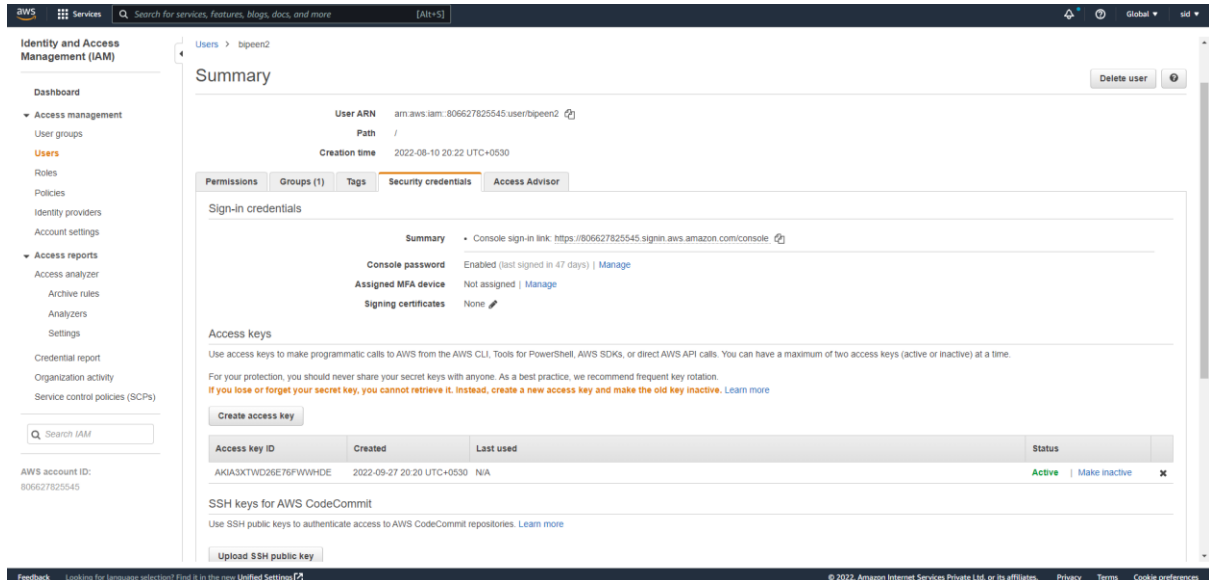# Aws code commit with EBS (CODE PIEPLINE)

THE code commit will not work with the root user

- Create a new IAM user – name it anything
- Assing the individual roles / permission to it - like
    - Ebs full access
    - Code commit full access
    - Code pipeline full access

Use access keys to make programmatic calls to AWS from the AWS CLI, Tools for PowerShell, AWS SDKs, or direct AWS API calls. You can have a maximum of two access keys (active or inactive) at a time.

For your protection, you should never share your secret keys with anyone. As a best practice, we recommend frequent key rotation.
If you lose or forget your secret key, you cannot retrieve it. Instead, create a new access key and make the old key inactive. Learn more

[Create access key]

Access key ID	Created	Last used		Status	
AKIA3XTWD26E76FWWHDE	2022-09-27 20:20 UTC+0530	N/A		**Active** | Make inactive	✖

SSH keys for AWS CodeCommit

Use SSH public keys to authenticate access to AWS CodeCommit repositories. Learn more

[Upload SSH public key]

SSH key ID		Uploaded	Status	
	No results			

HTTPS Git credentials for AWS CodeCommit

Generate a user name and password you can use to authenticate HTTPS connections to AWS CodeCommit repositories. You can generate and store up to 2 sets of credentials. Learn more

[Generate credentials]   [Actions ▾]

	User name	Status	Created
○	bipeen2-at-806627825545	**Active**	2022-09-27 20:18 UTC+0530

Credentials for Amazon Keyspaces (for Apache Cassandra)

Generate a user name and password you can use to authenticate to Amazon Keyspaces. You can generate and store up to 2 sets of credentials for Amazon Keyspaces. Learn more

[Generate credentials]

No credentials have been generated.

·

Go down and generate the HTTPS credentials for the git and also the access and the secret key for AWS – Configure Command

Below is How to configure the AWS – CLI


```
Microsoft Windows [Version 10.0.22000.978]
(c) Microsoft Corporation. All rights reserved.

C:\Users\siddh>aws configure
AWS Access Key ID [****************3CQS]: AKIA3XTWD26E76FWWHDE
AWS Secret Access Key [****************ZsMX]: 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
Default region name [ap-south-1]: ap-south-1
Default output format [json]: json

C:\Users\siddh>git clone https://git-codecommit.ap-south-1.amazonaws.com/v1/repos/test-devops1
Cloning into 'test-devops1'...
warning: You appear to have cloned an empty repository.

C:\Users\siddh>dir
 Volume in drive C is Windows
 Volume Serial Number is 46C8-E9DC

 Directory of C:\Users\siddh

27-09-2022  08.24 PM    <DIR>          .
26-02-2022  12.52 PM    <DIR>          ..
05-03-2022  02.02 PM    <DIR>          .android
17-03-2022  10.29 PM    <DIR>          .aws
08-06-2022  08.46 PM    <DIR>          .azure
17-05-2022  09.05 PM               745 .bash_history
01-03-2022  08.24 PM    <DIR>          .cache
01-03-2022  08.29 PM    <DIR>          .config
30-04-2022  05.35 PM    <DIR>          .docker
28-03-2022  12.38 PM    <DIR>          .dotnet
25-03-2022  05.44 PM    <DIR>          .dwagent
```

The Access Key and Secret Key you will be getting from the –

- Iam users tab –
- And configure the region, according to the need **but be careful u have to be in the region where u will be creating the codecommit repo**
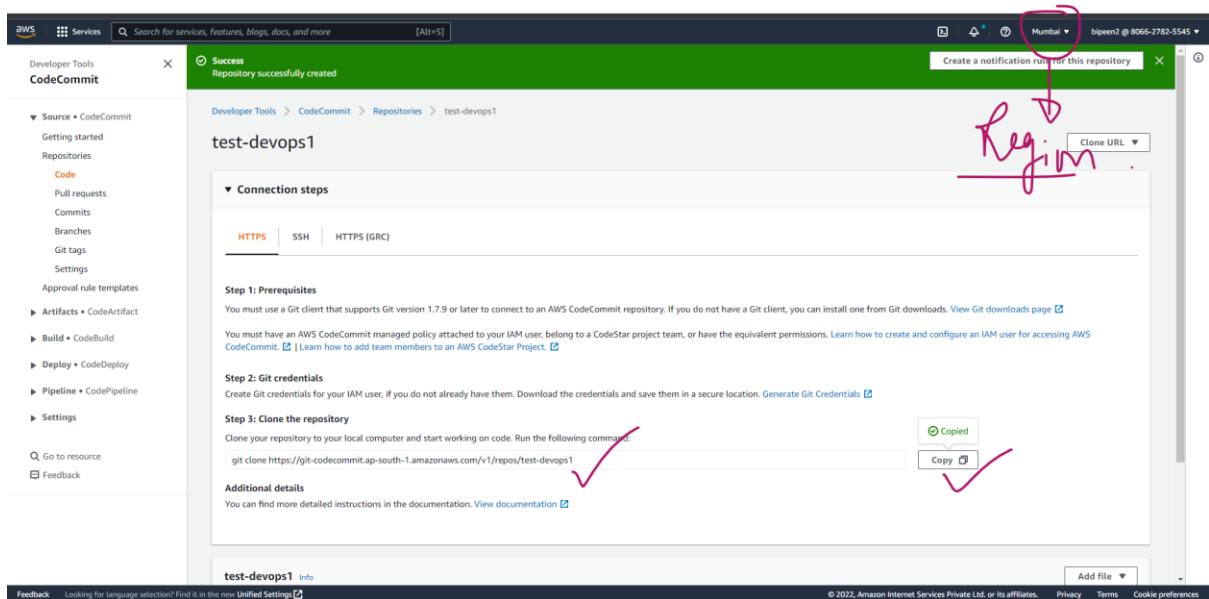
Copy and execute the command of – gitclone

In the aws cli terminal

IF YOU WANT TO CREATE THE CODECOMMIT REPO VIA THE – CLI

For creating the REPO:

- aws codecommit create-repository –repository-name demorepo

For Listing all the repos in the account:

- aws codecommit list-repositories

```
C:\Users\siddh\Desktop\test-devops1>aws codecommit list-repositories
{
    "repositories": [
        {
            "repositoryName": "test-devops1",
            "repositoryId": "25cfda2a-b9f0-4b8c-8cc4-14f968d157fc"
        }
    ]
}
```

Creating a file and pushing it the CodeCommit:

```
C:\Users\siddh\Desktop\test-devops1>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\siddh\Desktop\test-devops1>git add .

C:\Users\siddh\Desktop\test-devops1>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   index.html


C:\Users\siddh\Desktop\test-devops1>git commit - m "init commit"
error: pathspec '-' did not match any file(s) known to git
error: pathspec 'm' did not match any file(s) known to git
error: pathspec 'init commit' did not match any file(s) known to git

C:\Users\siddh\Desktop\test-devops1>git push --all
No refs in common and none specified; doing nothing.
Perhaps you should specify a branch.
Everything up-to-date

C:\Users\siddh\Desktop\test-devops1>git commit -m "init commit"
[master (root-commit) 51180ea] init commit
 1 file changed, 11 insertions(+)
 create mode 100644 index.html

C:\Users\siddh\Desktop\test-devops1>git push --all
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 402 bytes | 402.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://git-codecommit.ap-south-1.amazonaws.com/v1/repos/test-devops1
 * [new branch]      master -> master

C:\Users\siddh\Desktop\test-devops1>
```

Everything is Same As **GitHUB**

After Pushing – or Modifying the Code –

Go to the EBS and Create a PHP Environment:
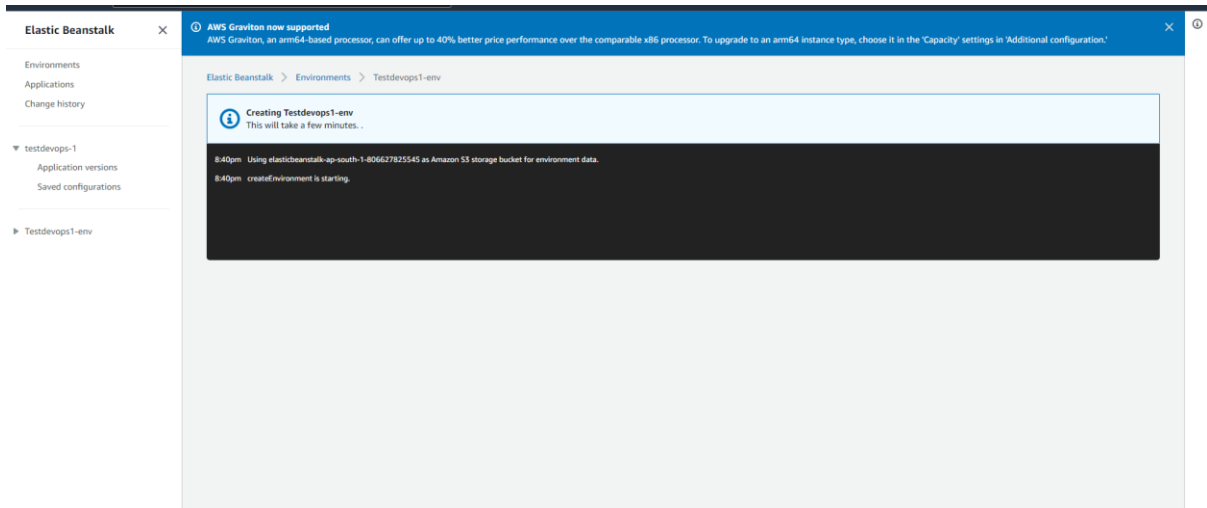
Now for The Pipeline Creation:

CODEPIPELINE:
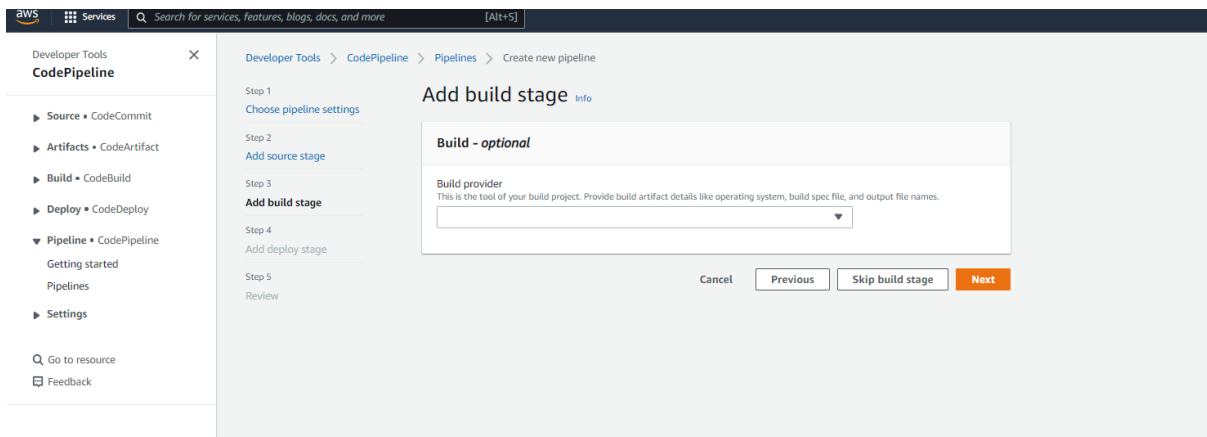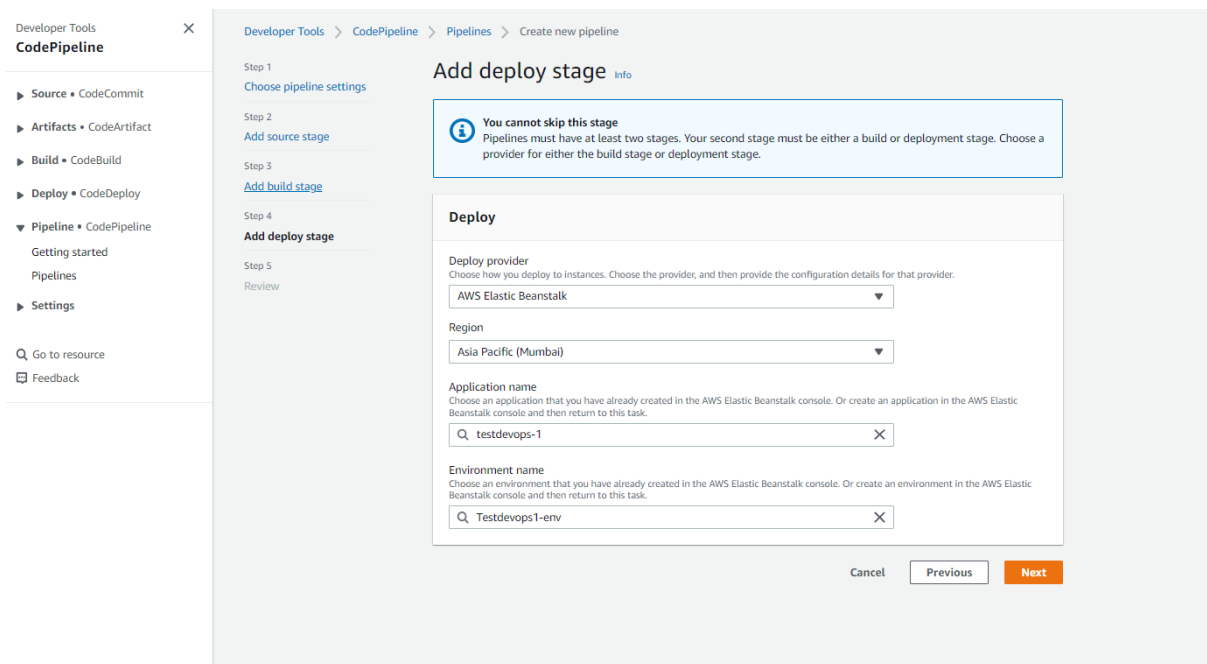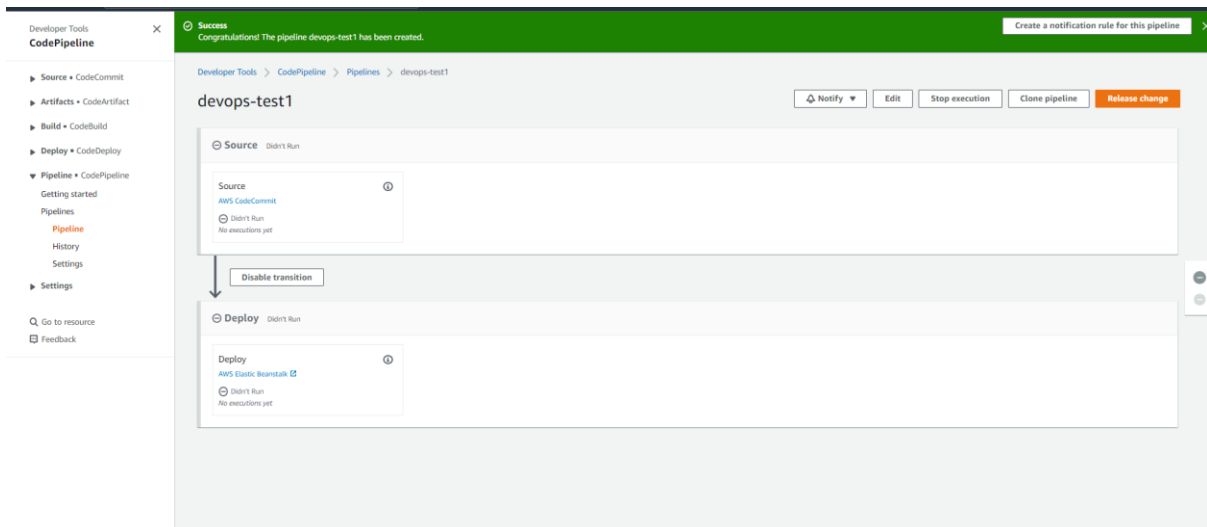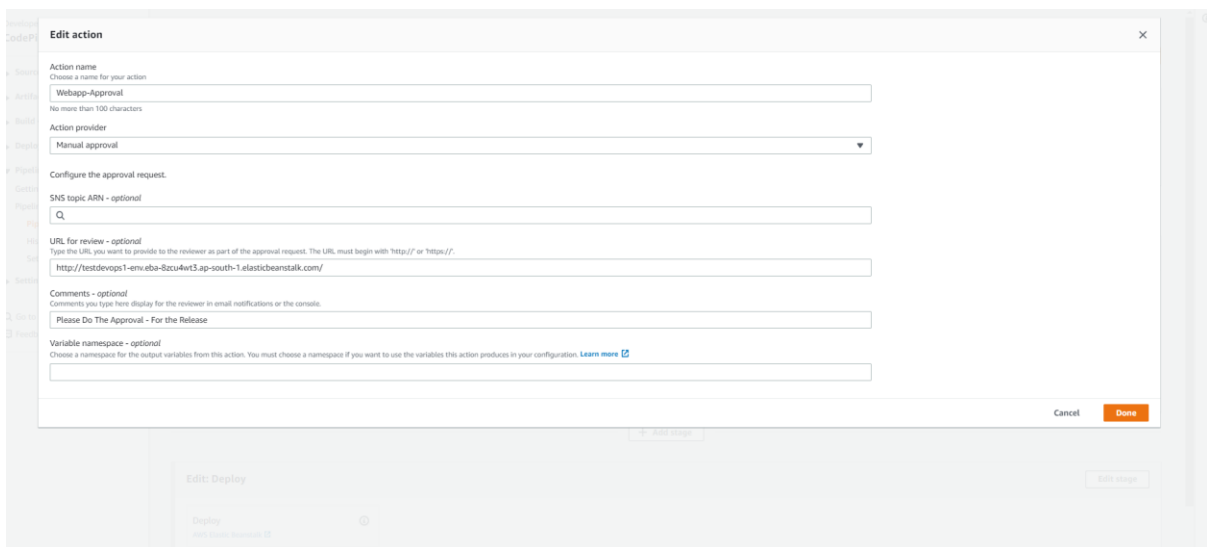
SKIP BUILD STAGE:

ADD THE EBS – As the Deployment Service

Add the manual trigger

Just push the code / release the changes

Published by:-

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