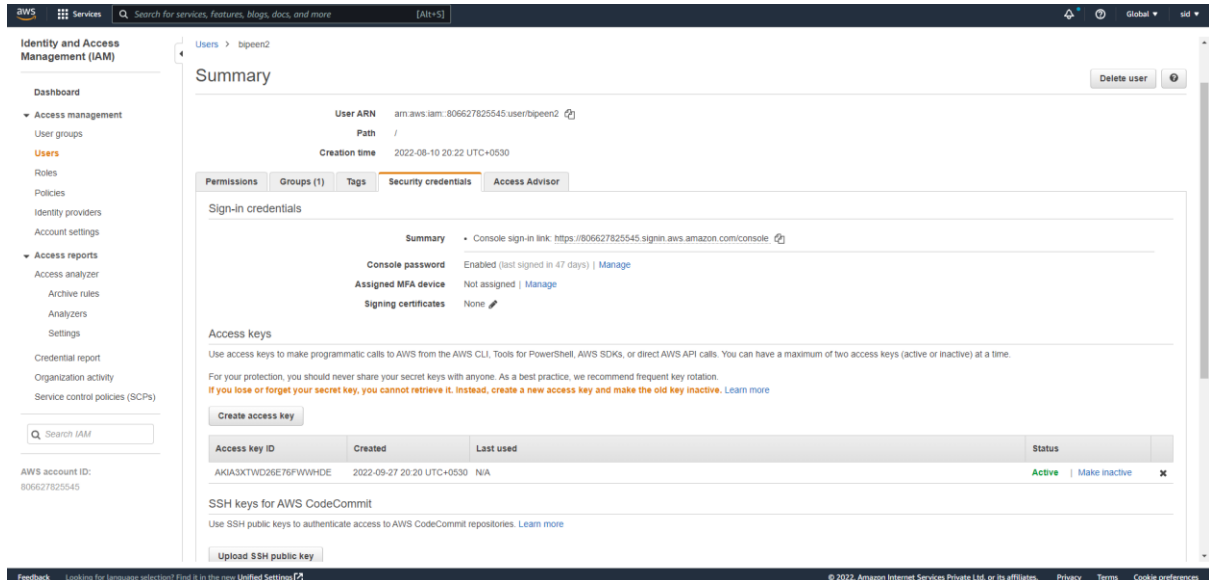


# Aws code commit with EBS ( CODE PIPELINE)



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
  - o Ebs full access
  - o Code commit full access
  - o 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   <a href="#">Make inactive</a> ✕

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
<input type="radio"/> bipreen2-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

```
Command Prompt
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.

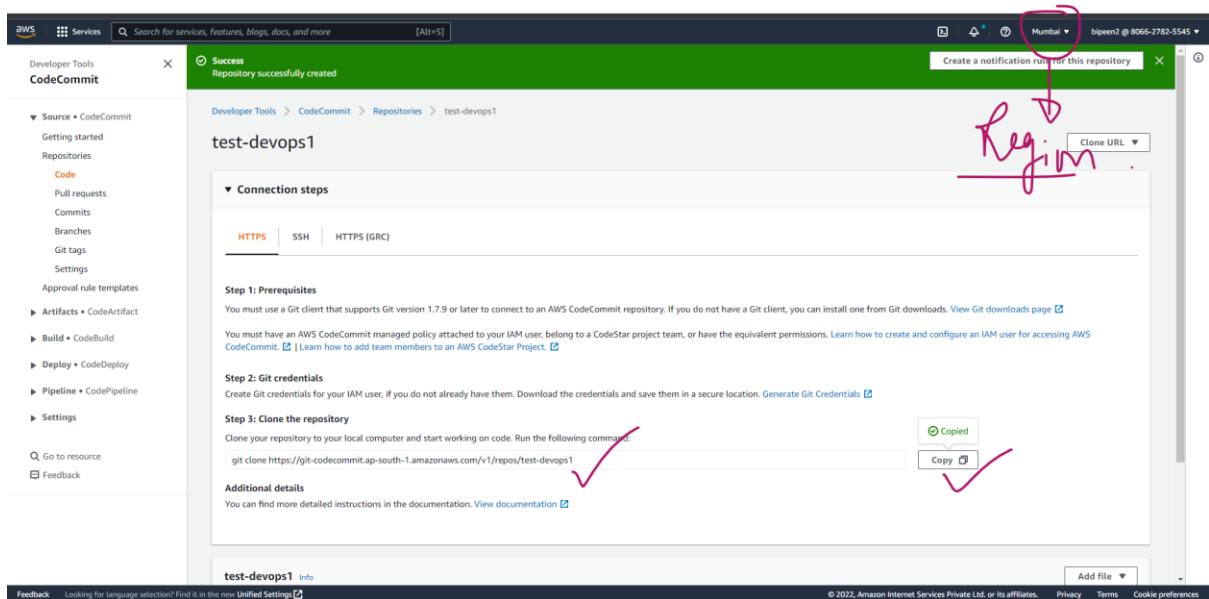
C:\Users\siddh>dir
Volume in drive C is Windows
Volume Serial Number is 46C8-E9DC

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**

```
C:\Users\siddh\Desktop>mkdri test-devops
'mkdri' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\siddh\Desktop>mkdir test-devops

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

Directory of C:\Users\siddh\Desktop

27-09-2022  08:25 PM    <DIR>          .
27-09-2022  08:24 PM    <DIR>          ..
22-09-2022  08:42 AM      24,537  DFESoftware-mopup-MarkScheme.xlsx
23-09-2022  09:06 AM    <DIR>          JUNK2
16-09-2022  04:05 PM    <DIR>          Knowledge
11-08-2022  07:12 PM      2,297  Miro.lnk
17-09-2022  07:22 PM    <DIR>          MTECH MANIPAL
```

## 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

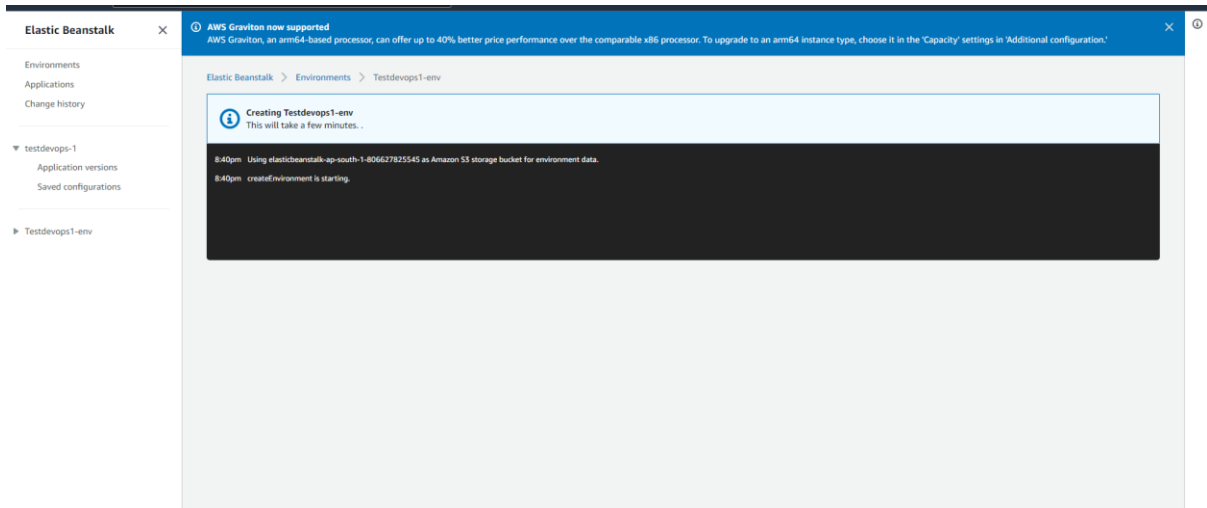
C:\Users\siddh\Desktop\test-devops1>git push --all
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 402 bytes | 402.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused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

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

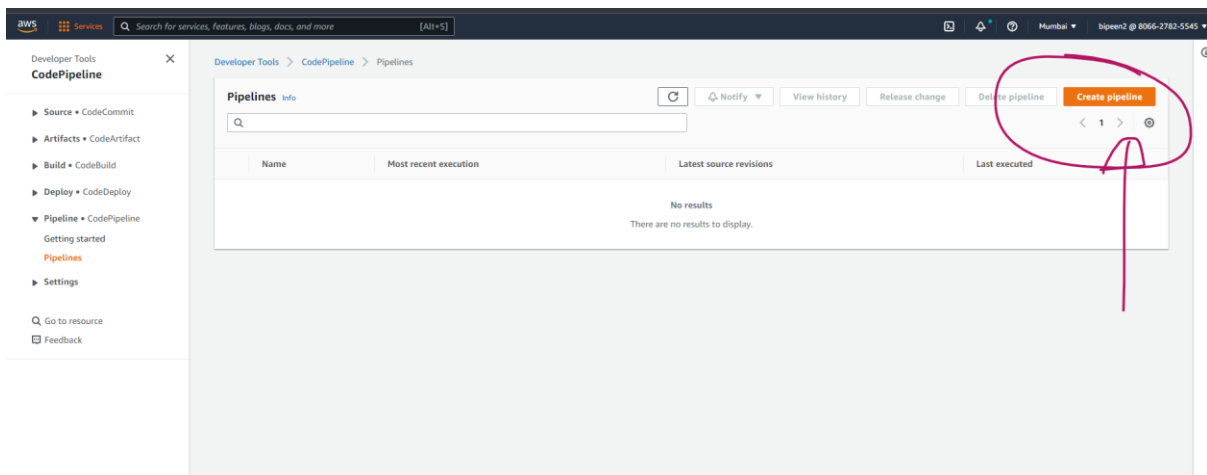
Everything is Same As **GitHUB**

**After Pushing – or Modifying the Code –**

**Go to the EBS and Create a PHP Environment:**



**Now for The Pipeline Creation:**



# CODEPIPELINE:

Developer Tools

CodePipeline

Source • CodeCommit

Artifacts • CodeArtifact

Build • CodeBuild

Deploy • CodeDeploy

Pipeline • CodePipeline

Getting started

Pipelines

Settings

Go to resource

Feedback

Step 1

Choose pipeline settings

Step 2

Add source stage

Step 3

Add build stage

Step 4

Add deploy stage

Step 5

Review

Choose pipeline settings

info

Pipeline settings

Pipeline name

Enter the pipeline name. You cannot edit the pipeline name after it is created.

devops-test1

No more than 100 characters

Service role

☒ New service role

Create a service role in your account

☐ Existing service role

Choose an existing service role from your account

Role name

AWSCodePipelineServiceRole-ap-south-1-devops-test1

Type your service role name

☒ Allow AWS CodePipeline to create a service role so it can be used with this new pipeline

Advanced settings

Artifact store

☒ Default location

Use the default artifact store (Amazon S3 codpipeline-ap-south-1-404433893278) designated in the same region and account as your pipeline

☐ Custom location

Choose an existing S3 location from your account in the same region and account as your pipeline

Encryption key

☒ Default AWS Managed Key

Use the AWS managed customer master key for CodePipeline in your account to encrypt the data in the artifact store.

☐ Customer Managed Key

To encrypt the data in the artifact store under an AWS KMS customer managed key, specify the key ID, key ARN, or alias ARN.

Cancel

Next

Developer Tools

CodePipeline

Source • CodeCommit

Artifacts • CodeArtifact

Build • CodeBuild

Deploy • CodeDeploy

Pipeline • CodePipeline

Getting started

Pipelines

Settings

Go to resource

Feedback

Developer Tools

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Pipelines

Create new pipeline

Step 1

Choose pipeline settings

Step 2

Add source stage

Step 3

Add build stage

Step 4

Add deploy stage

Step 5

Review

Add source stage

info

Source

Source provider

This is where you store your input artifacts for your pipeline. Choose the provider and then provide the connection details.

AWS CodeCommit

Repository name

Choose a repository that you have already created where you have pushed your source code.

test-devops1

Branch name

Choose a branch of the repository.

master

Change detection options

Choose a detection made to automatically start your pipeline when a change occurs in the source code.

☐ Amazon CloudWatch Events (recommended)

Use Amazon CloudWatch Events to automatically start my pipeline when a change occurs

☒ AWS CodePipeline

Use AWS CodePipeline to check periodically for changes

Output artifact format

Choose the output artifact format.

☒ CodePipeline default

AWS CodePipeline uses the default zip format for artifacts in the pipeline. Does not include git metadata about the repository.

☐ Full clone

AWS CodePipeline passes metadata about the repository that allows subsequent actions to do a full git clone. Only supported for AWS CodeBuild actions.

Cancel

Previous

Next

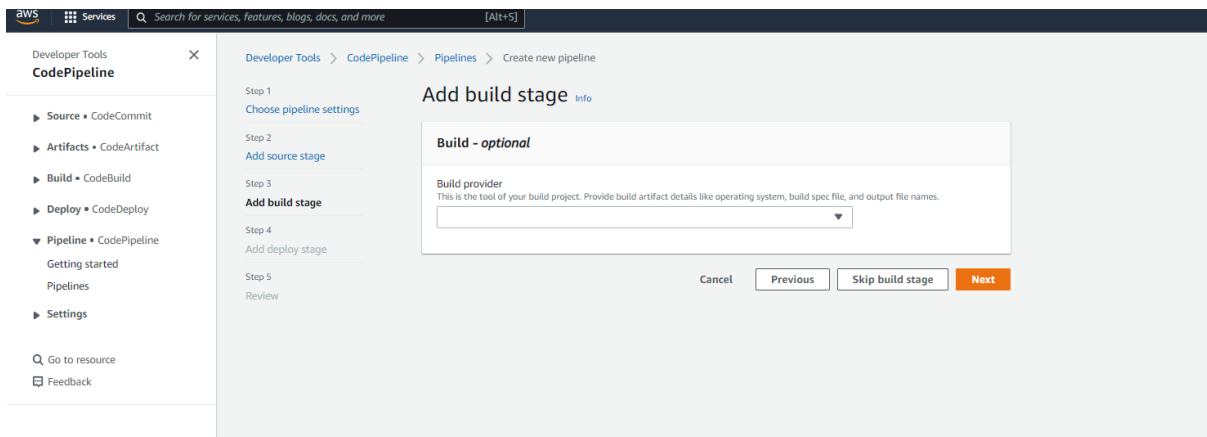
A

←

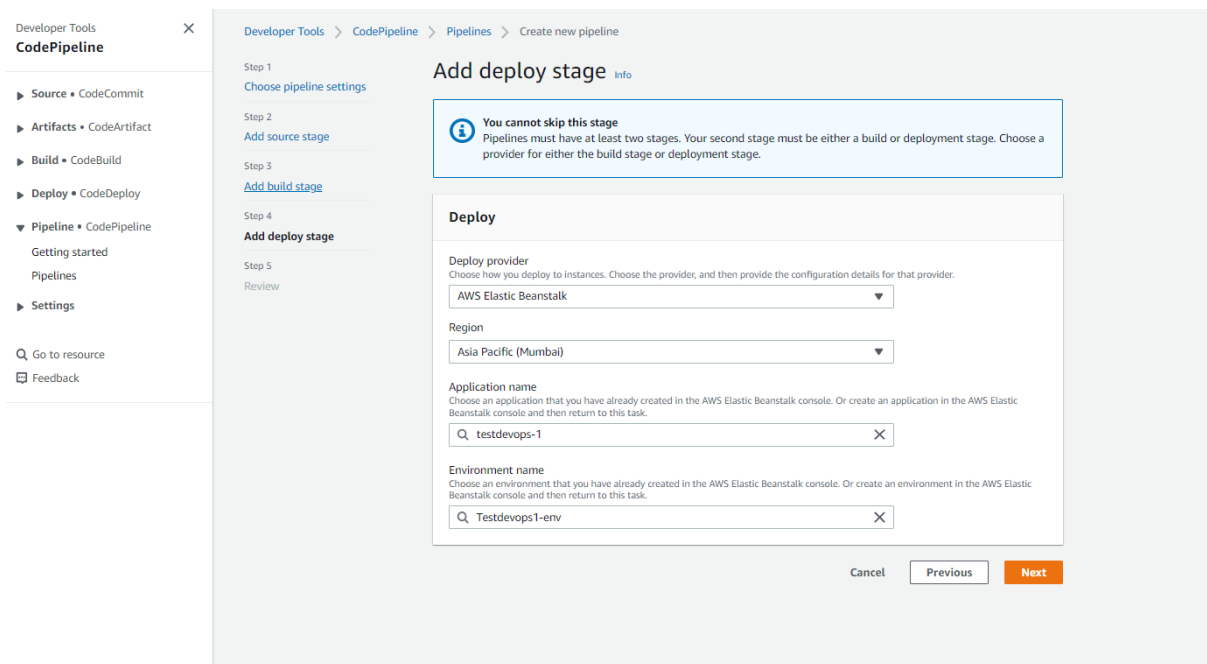
→

M

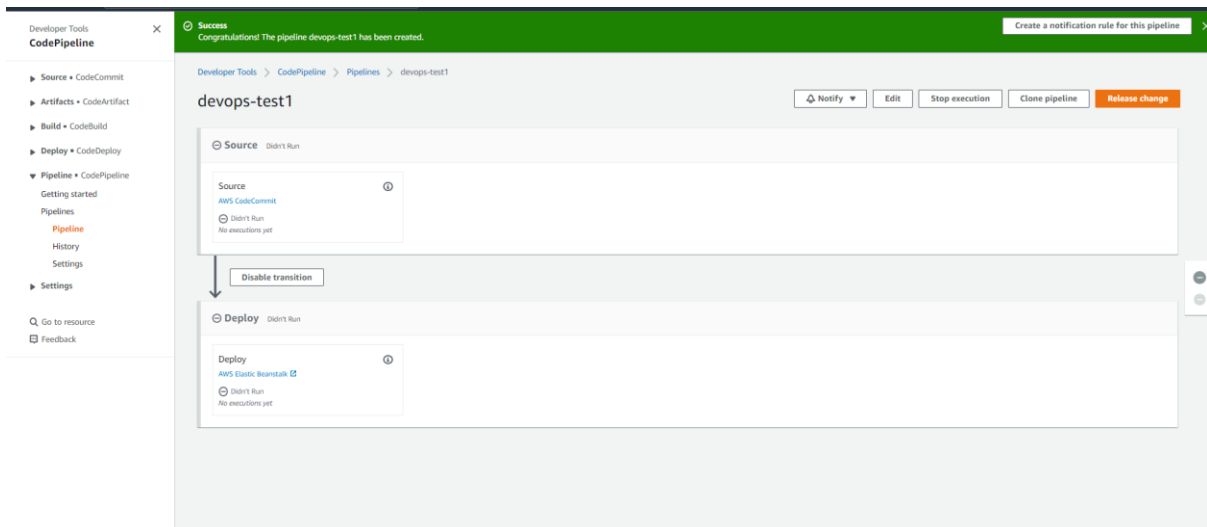




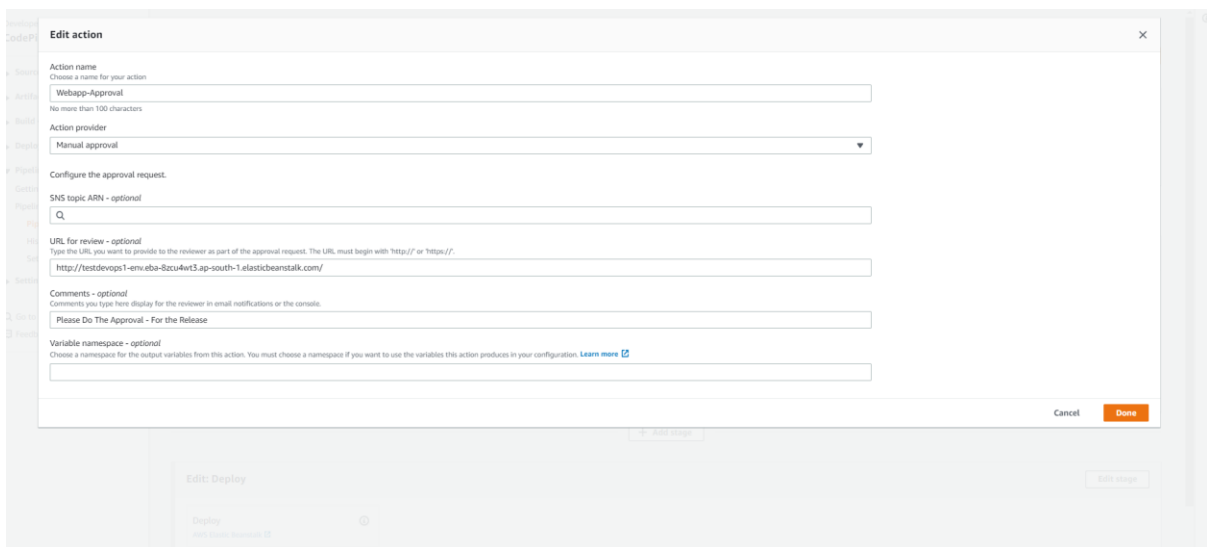
## SKIP BUILD STAGE:



## ADD THE EBS – As the Deployment Service



## Add the manual trigger



**Just push the code / release the changes**

The screenshot shows the AWS CodePipeline console for a pipeline named 'devops-test1'. The left sidebar shows the navigation menu with 'CodePipeline' selected. The main area displays the pipeline's execution history. The 'Source' stage (AWS CodeCommit) has succeeded. The 'TestEngg' stage (Manual approval) is currently pending, with a 'Waiting for approval' message and a 'Review' button. The 'Deploy' stage (CodeDeploy) has succeeded. The pipeline is currently in a 'Waiting for approval' state, indicated by the 'TestEngg' stage's status.

**Published by:-**

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