# **AWS CICD Pipeline for Static website**

- By Deepika Kanwar

## **Objectives:**

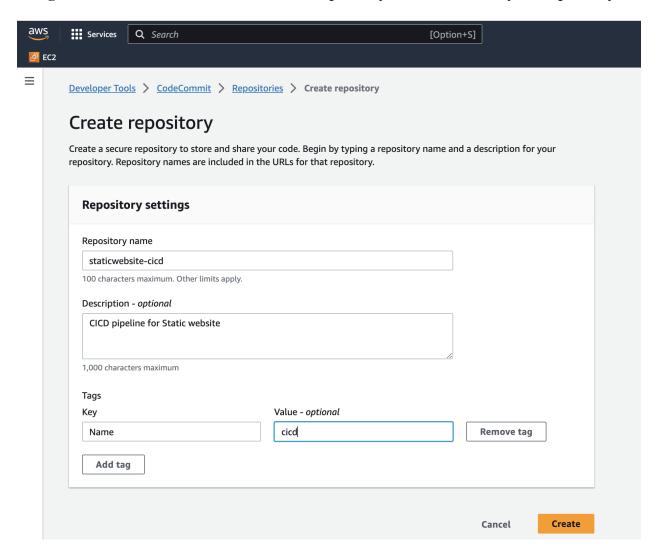
- Create a repository using AWS code commit.
- Create a s3 bucket and allow static website hosting.
- Automate our updates using a code pipeline.

## **Prerequisites**

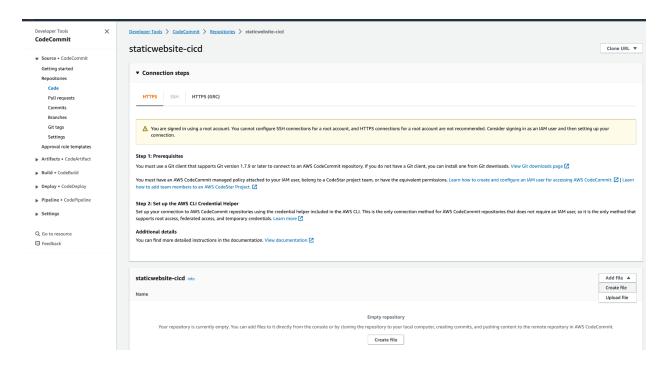
- ~ AWS account
- ~ .html file

# 1. Creating a repository

Navigate to code commit and select create repository. Add a name for your repository.

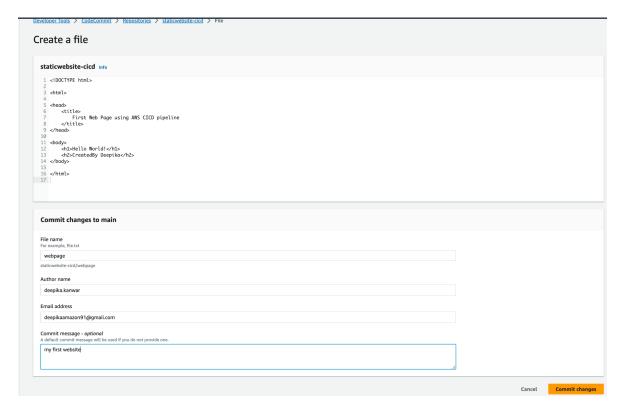


Scroll down a little and select the add file. Then upload the file.



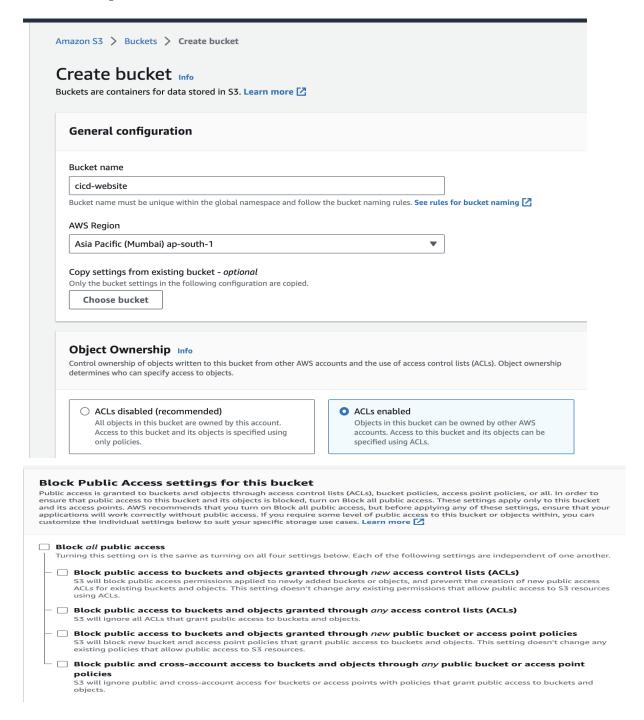
select choose file and upload your html file. Use your name for the author and enter your email and commit the changes.

Here is my code for my html file that i just uploaded.



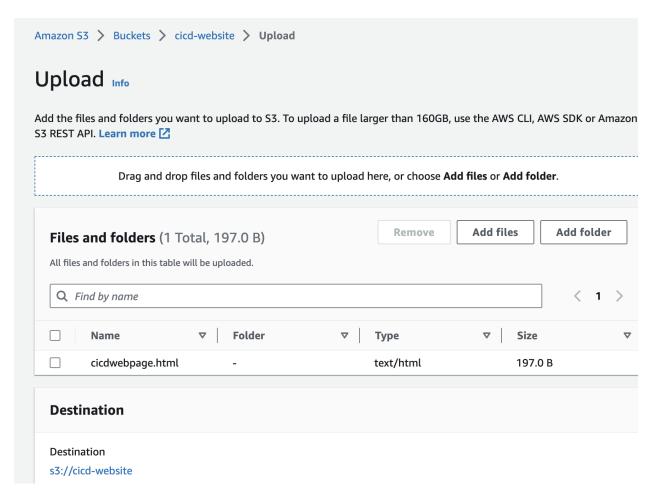
## 2. Hosting the site

Let's navigate to s3, so we can create a bucket to host our website. Select create bucket and add a bucket name. Don't forget to select the region closest to you, and the name must be unique.



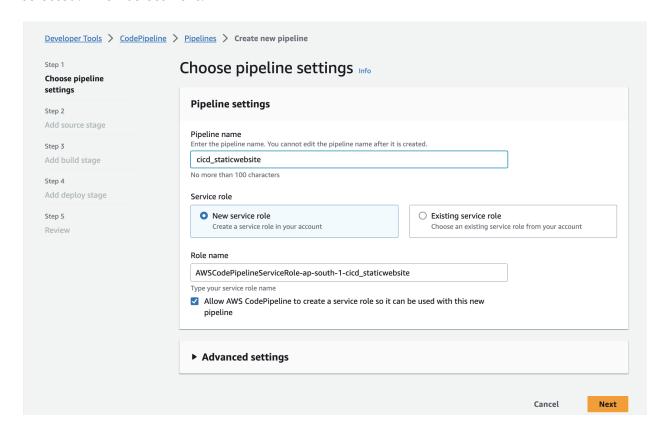
Next, we will enable ACLs and uncheck block public access. We want to have public access. Then select create.

Let's select the bucket name and upload file. Next select add files and click the file you uploaded to your repository. Upload.

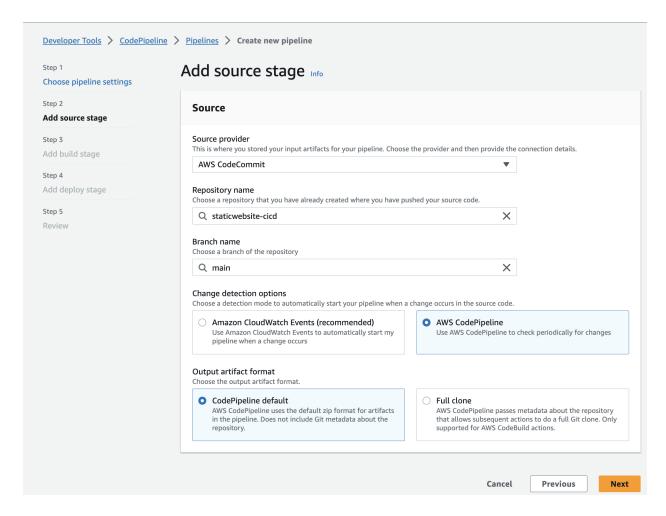


# 3. Code pipeline

Navigate to the code pipeline and select create. Enter name and keep new service role selected. Then select next.

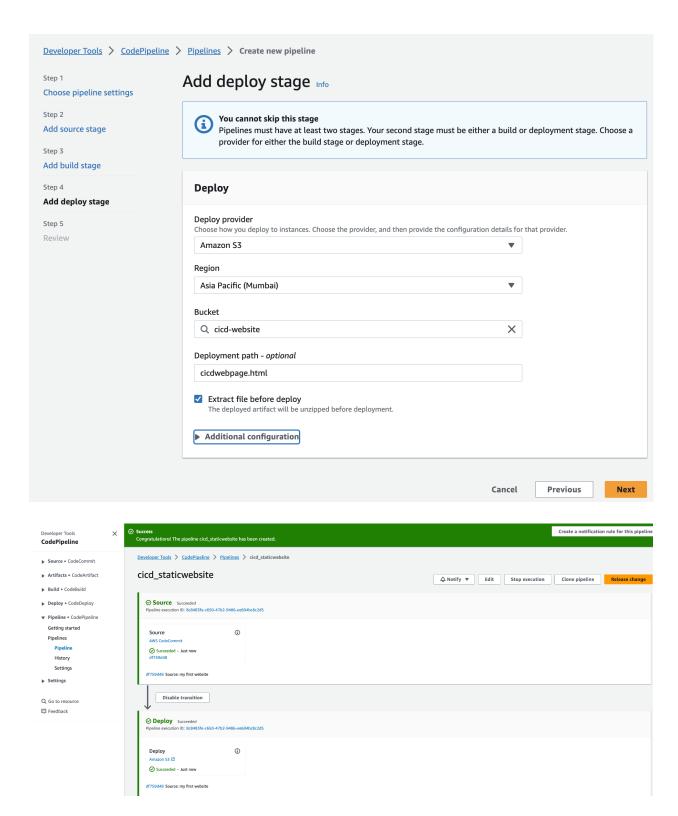


Source provider is AWS code commit. Select your repository name and then select main branch. Click next then skip Build stage.



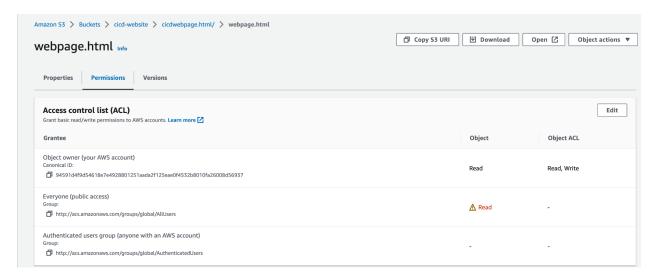
Use Detection options: AWS Codepipeline so it detects the changes and updates the webpage.

We want to select Amazon S3 for provider, and your .html file for key. Select extract file before deploying. Select next and review then create.

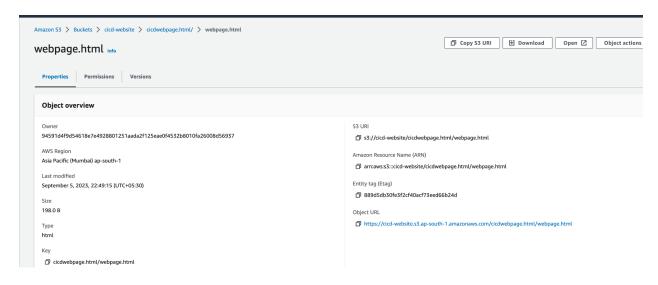


Now Let's make sure our website is running like it's supposed to. Navigate back to S3 and select your bucket. You should have a new folder created

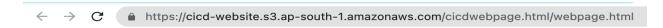
## Edit the Object permissions to make it publicly accessible:



#### Click on Object URL:



#### This is how webpage looks:



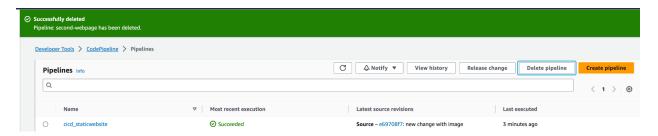
## **Hello World!**

### **CreatedBy Deepika**

Let's check if the pipeline is working correctly. Navigate back to Code commit and go to your repo. Select it and edit a line of code, and commit.



Navigate back to the pipeline and it should let you know that it was recently updated.



Go back to S3 and launch your website again to see your changes.

# My first webpage using AWS CICD pipeline

# CreatedBy Deepika Kanwar

aws sample pipeline image tag:

