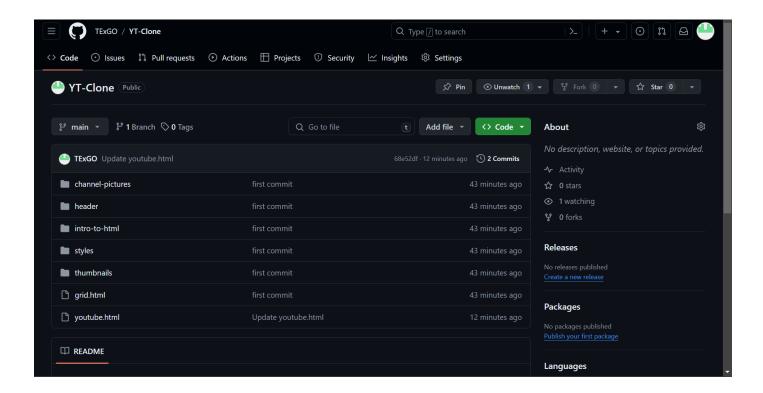
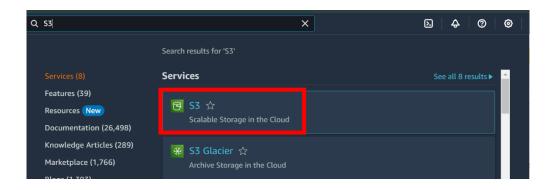
Continuous Deployment Using CodePipeLine

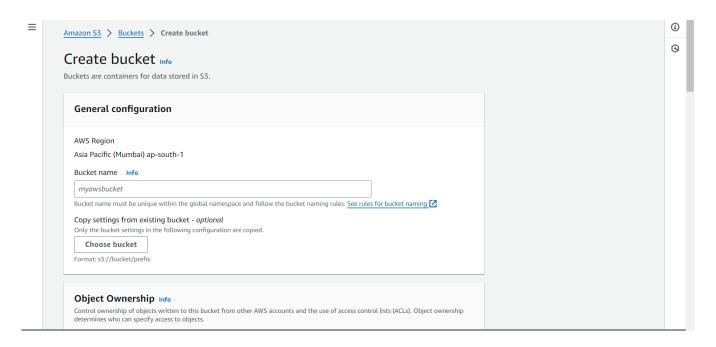
In this we will deploy a YouTube clone, for that we will upload all the code and the related files in the GitHub. I have uploaded it in the 'YT-clone' repository.



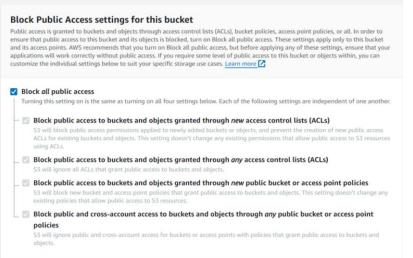
We will sign up on the AWS console. First we will create a S3 bucket to store our files and as a static website. Go to S3

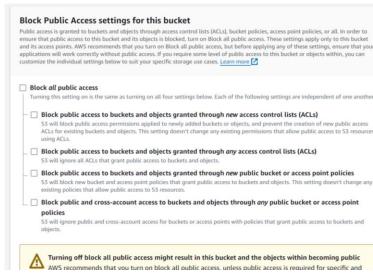


We will create a new bucket. Click on create bucket following page will appear, name your bucket. Note bucket name should be unique or it will give an error.

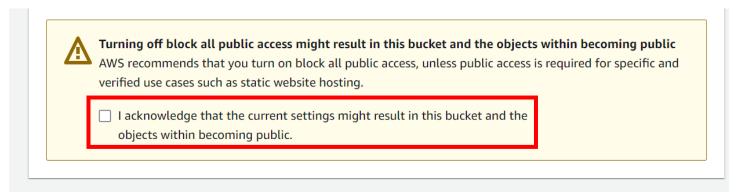


After naming your bucket, we will allow the public access to your bucket so other can access the files in it. For that scroll down until you see 'Block Public Access...' just unselect/deselect the first option.

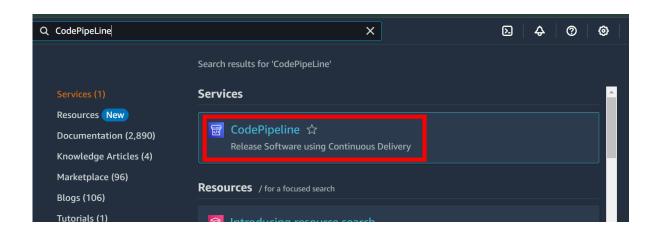




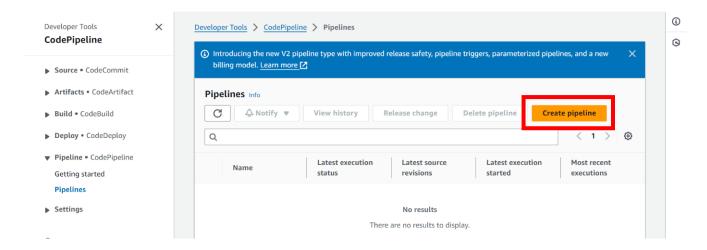
Scroll down and click on create bucket it will prompt you again for the block public access option just click on the acknowledgement.



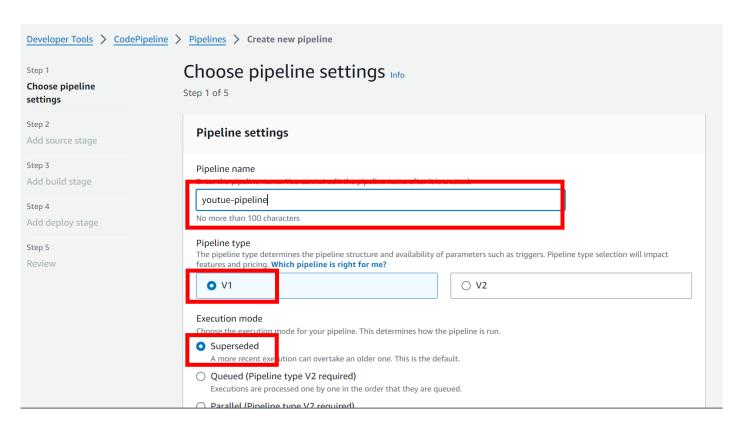
After this we will setup the codepipeline. Go to the home page and search for CodePipeLine, click on it



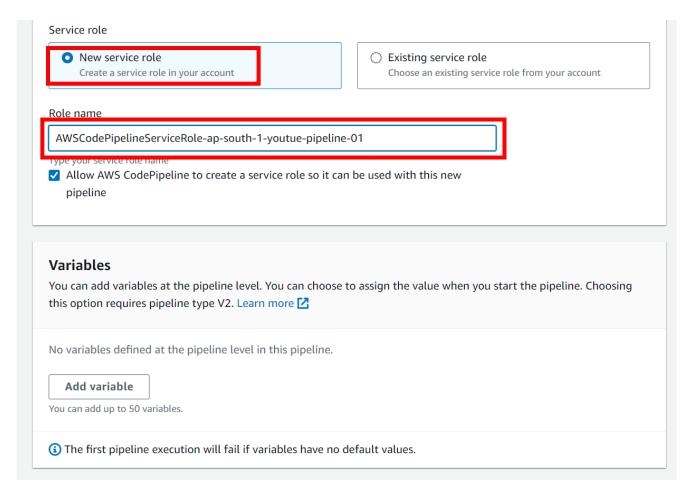
Now click on the create pipeline option



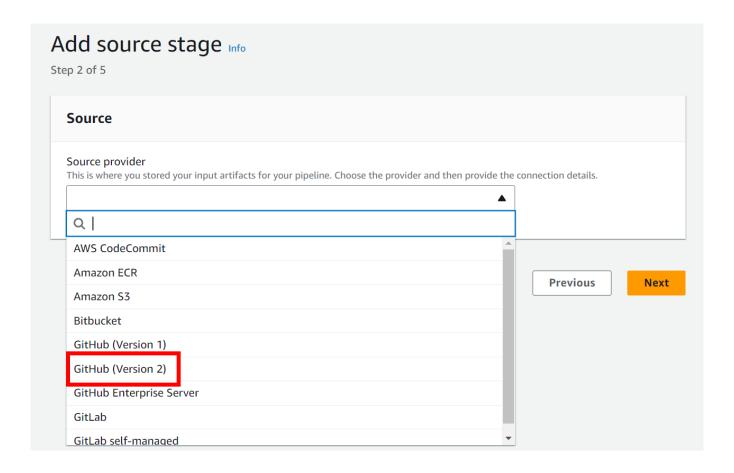
Name your pipeline, select the V1 type, select the superseded option.



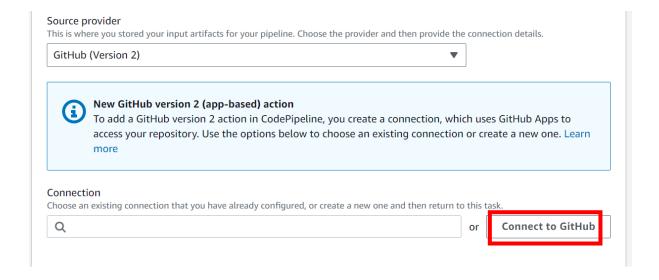
Scroll down and select the 'New service role' option and add -01 at the last of the role name to create a new one. Click on next at the last of page.



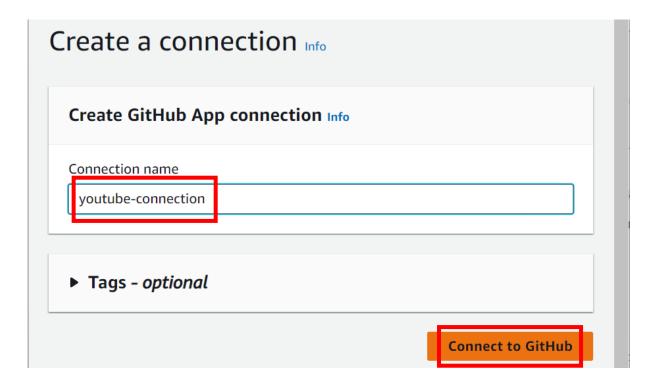
On the next page add the storage source for this we will select the 'GitHub (Version 2)' from this the AWS will get the files automatically. Click on next.



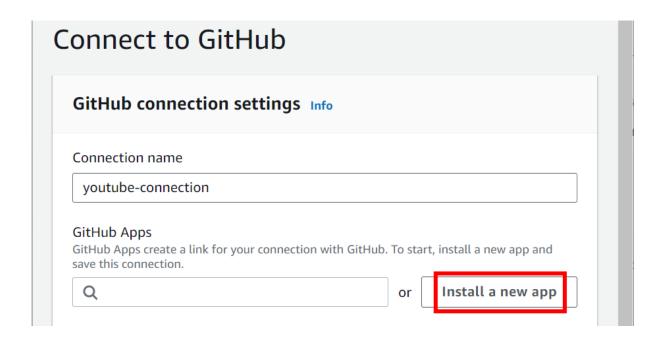
Now we will connect to the GitHub. Click on the option



A new window will appear we will name our connection and click on connect



Next click on install a new app.

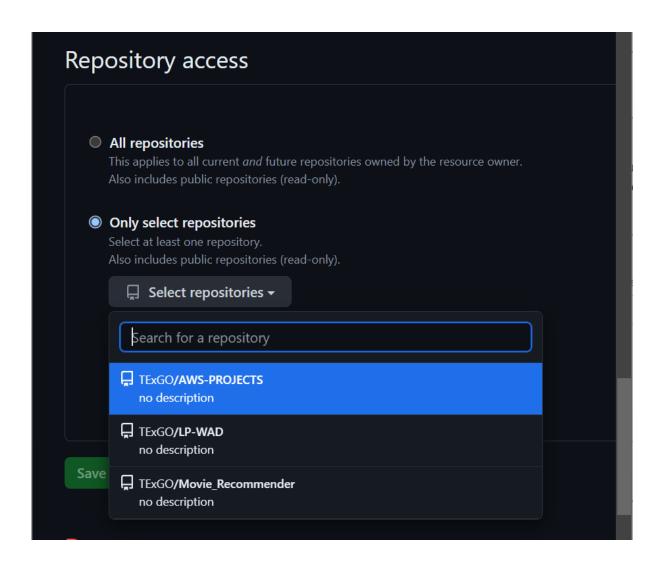


You will be redirected to your GitHub account, if you doing it for first time it will ask permissions to connect your account with AWS.

After this scroll down until you see 'Repository Access' from this you will select the option you want.

We will select only the selected repository and mention the repository we want to connect with AWS.

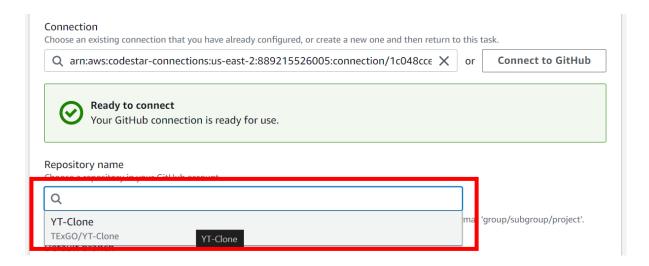
As I have you connected it before I don't have to connect to the GitHub again.



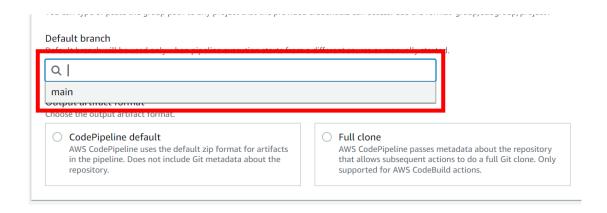
Now you will get back to the console. Here you will select the connection as mentioned early.



After connecting it will show a message that you are ready to connect. Under that select the repository name you want.



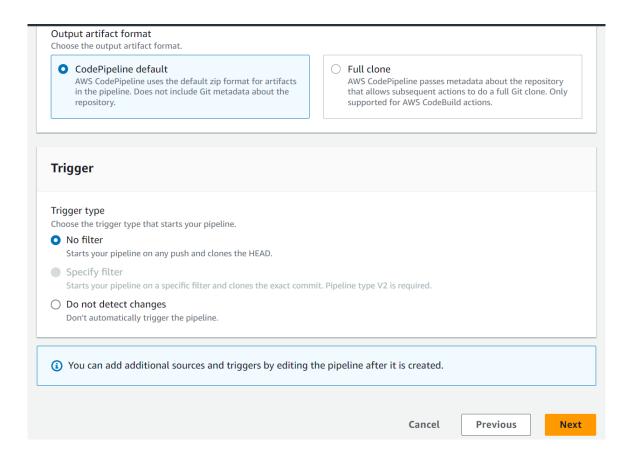
Next select the branch. Here we have only one i.e 'main'



Now select the output format as 'CodePipeLine' default.

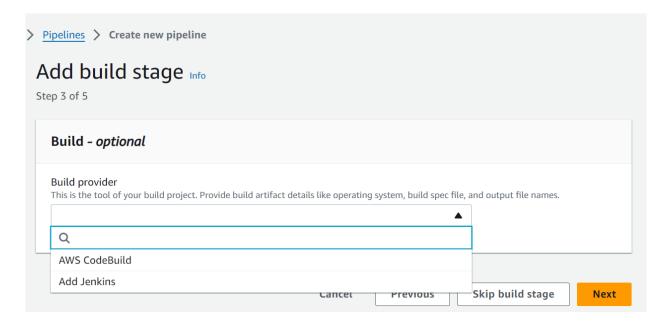
And the trigger as 'No filter' to push our data into to the AWS.

Click on next.

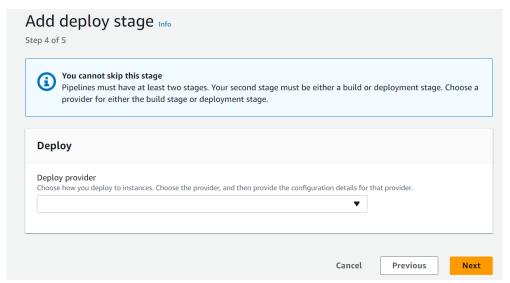


Next stage is the build stage. As we are not working on it and we don't need it for now. But you can select any of the two options if you want to test your code beforehand.

Click on skip build stage it will again prompt you click on skip.



Next stage to add depoyment. In this we have to add the provider where we want to deploy our website.



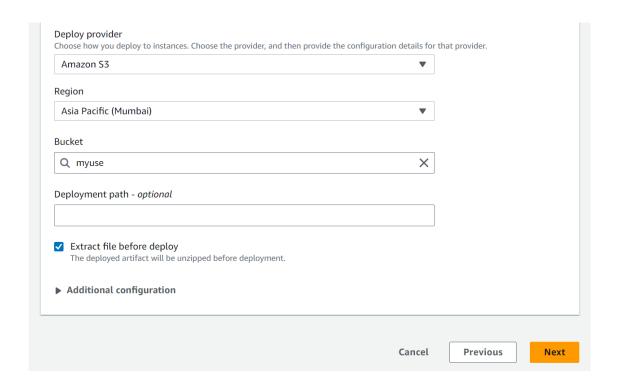
Here we will select AWS S3 as the provider. As we have created a bucket to host our static website.

Next we will select the region in which we have created our S3 bucket.

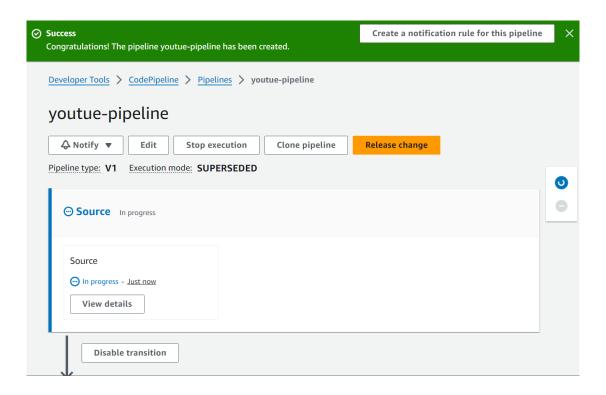
Next add the bucket which you want to use or which you have created earlier in this pdf.

Select the 'Extract file before deploy' option and click on next.

We have successfully configured the pipeline path after this the review section will appear see what all changes we have made and check them once click on 'Create Pipleline' option at last of the page.

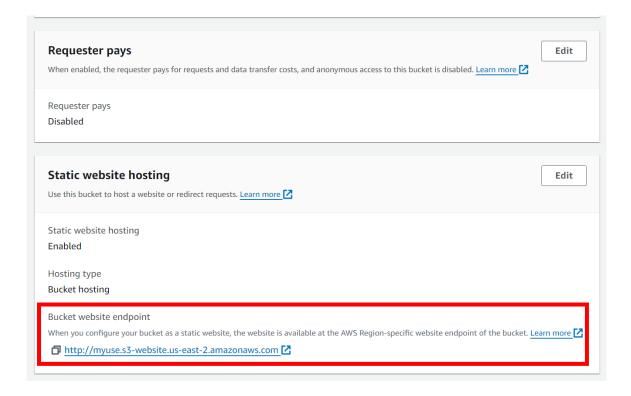


After the successful execution you get a message of success at the top under that you will be able to see the progress of the pipeline.

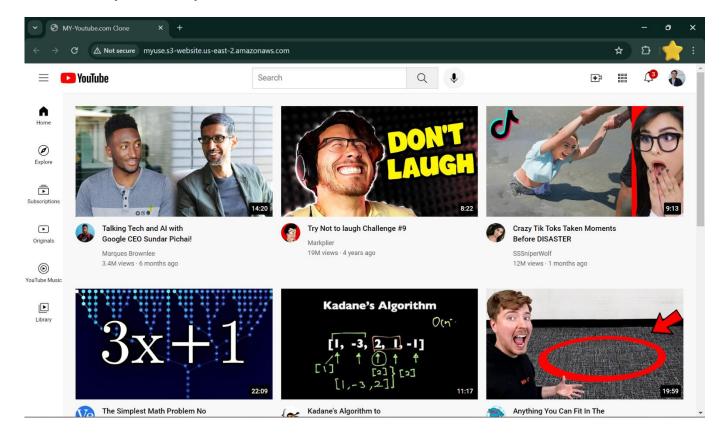


After adding all the files from your repository to your bucket you will see the successful message instead of in progress.

Now get the endpoint from the S3 bucket and check if your files are uploaded and you can see your webpage contents.



You will be able to see the results at the endpoint. For me I can access my youtube clone webpage. At your end you may also.



If you commit any changes in your repository that will we updated automatically.

Just make the changes in your html code save the changes and come back to the pipeline in it will be in the in the progress state this means if you make any changes the aws get it into your S3 automatically.

After success message check your webpage refresh it and you might see the changes!!!!!!

Thank you.