

Sithum Jayarathna
Jan 23, 2019 · 4 min read · Listen

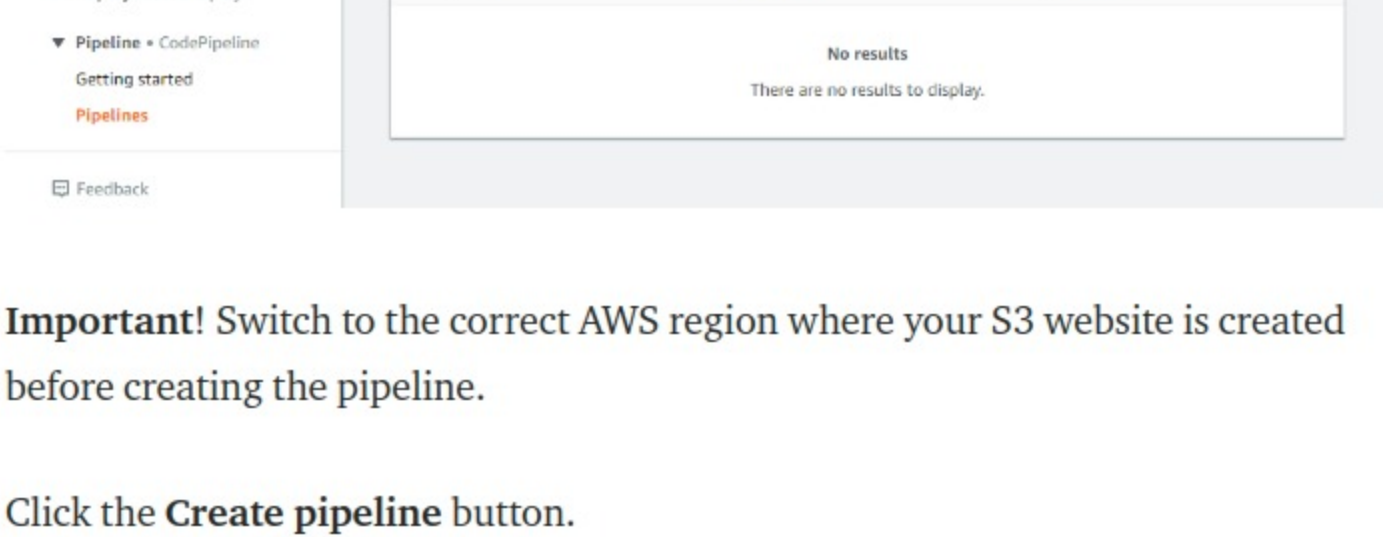
Automate static website deployment from Github to S3 using AWS CodePipeline

Automatically deploy changes made to the GitHub repository of the static website to AWS S3. The change you make will be instantly available on live website [yourdomain.com](#).

You don't need to clone the git repository to make changes. You can do it from the [github.com](#) website itself. After configuring the pipeline, you don't need to login to AWS. Everything happens automatically under the hood. Aint it cool?

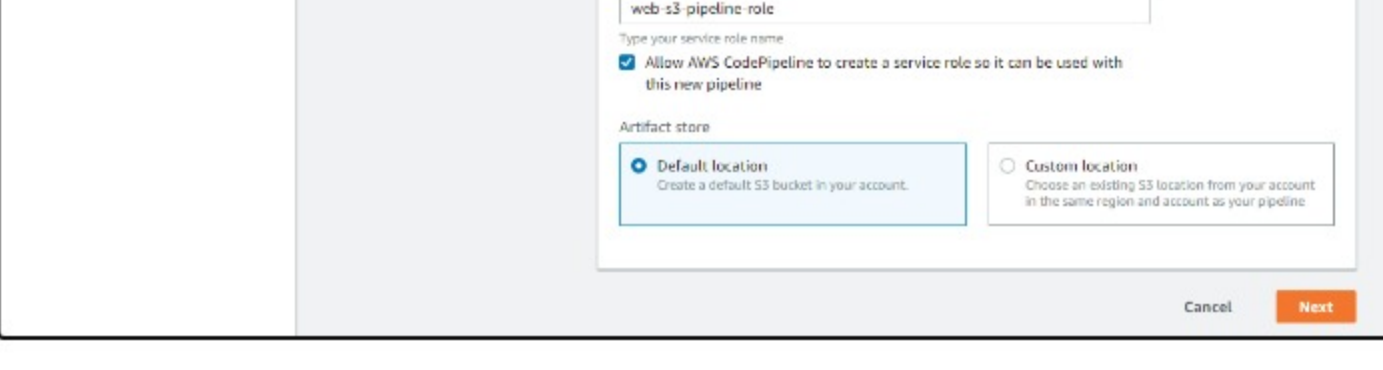
You need one of your s3 buckets configured for static web hosting for this deployment. Read my story on [s3 static website deployment](#) and configure one if you don't have.

Login to [AWS](#) console and go to [CodePipeline](#).



Important! Switch to the correct AWS region where your S3 website is created before creating the pipeline.

Click the **Create pipeline** button.

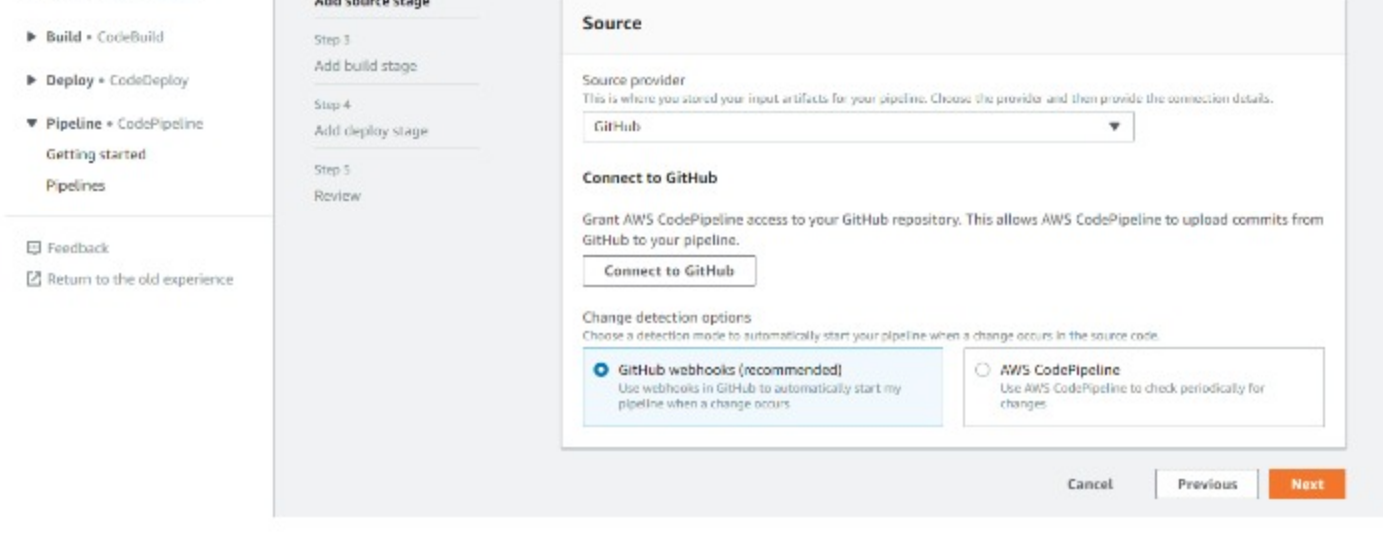


Give the pipeline a meaningful name: *web-s3-deploy*
Select **New service role**. Give it a meaningful name: *web-s3-pipeline-role*

Artifact store: Choose the **Default location** option

Bucket: select the S3 bucket which the **static website** is hosted.

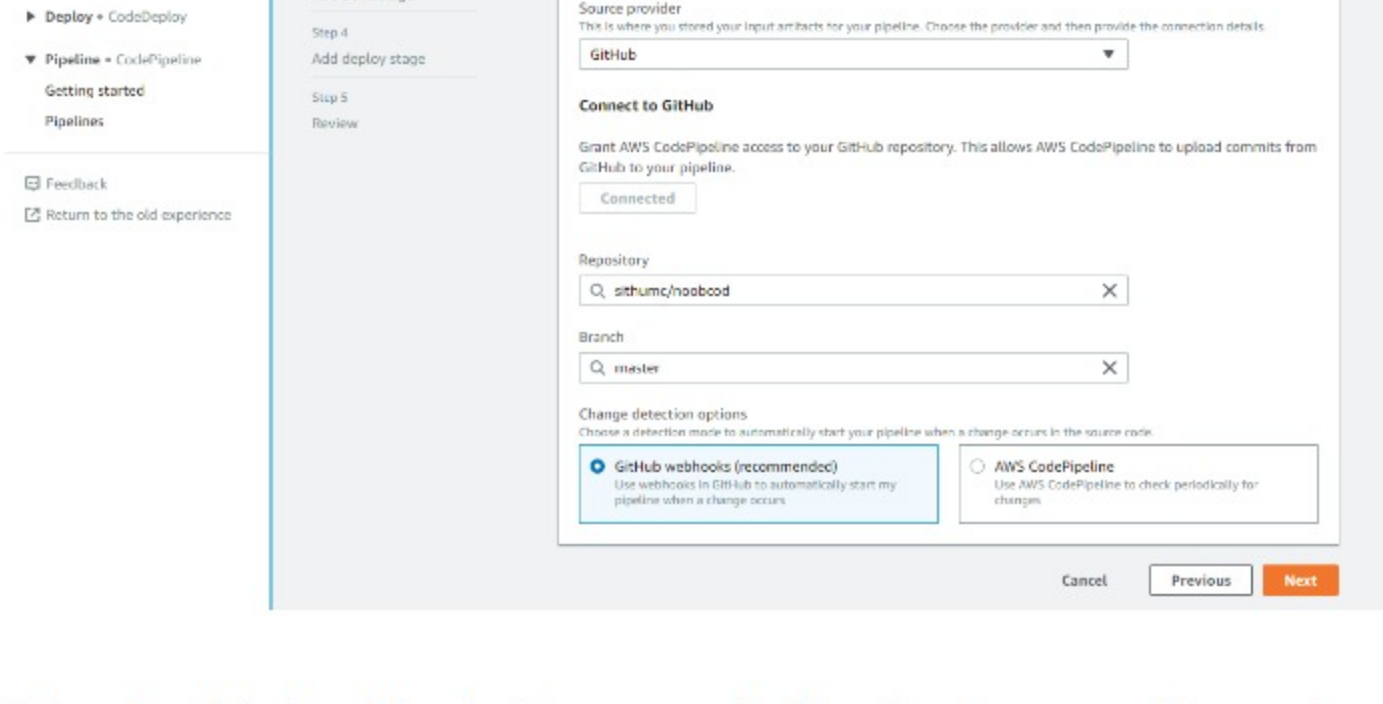
Hit the **Next** button.



Select the Source provider: **GitHub**.

Click the **Connect to GitHub** button. Authenticate Authorize AWS CodePipeline to access your GitHub Repos.

After authentication, select the Repository with your static website files. Select the branch of the repository. *I'm using a static website [noobcod.com](#) for this tutorial.*

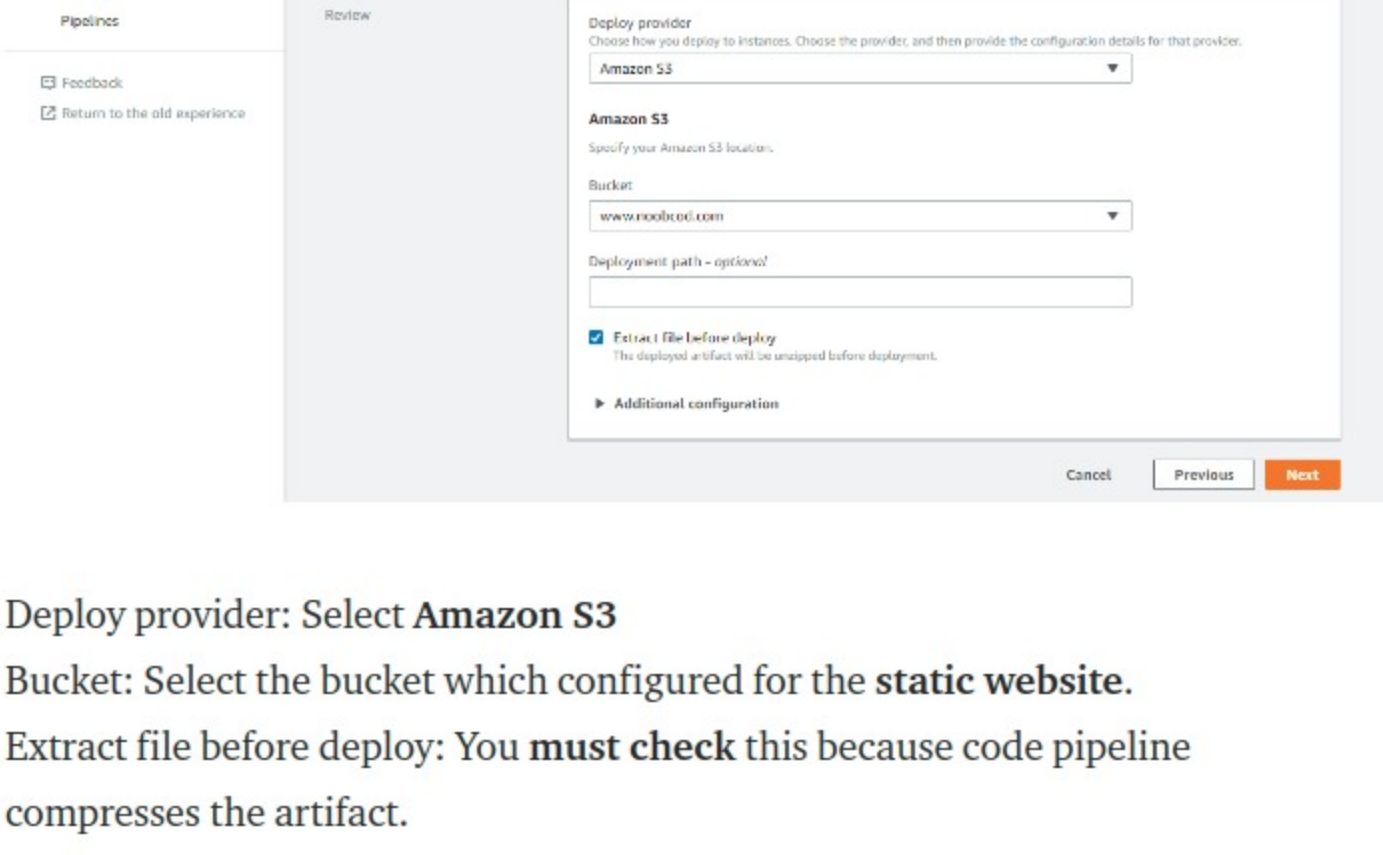


Select the **GitHub webhooks (Recommended)** option. **Important!** You need to be the **owner** or an **admin** of the repository to create webhooks.

Hit the **Next** button.

Hit **Skip Build Stage** button. *You can use AWS Codebuild to compile typescript or any project that need to build before deploy. We skip this because the repo contains static website contents.*

Hit the **Skip** button on the prompt.



Deploy provider: Select **Amazon S3**

Bucket: Select the bucket which configured for the **static website**.

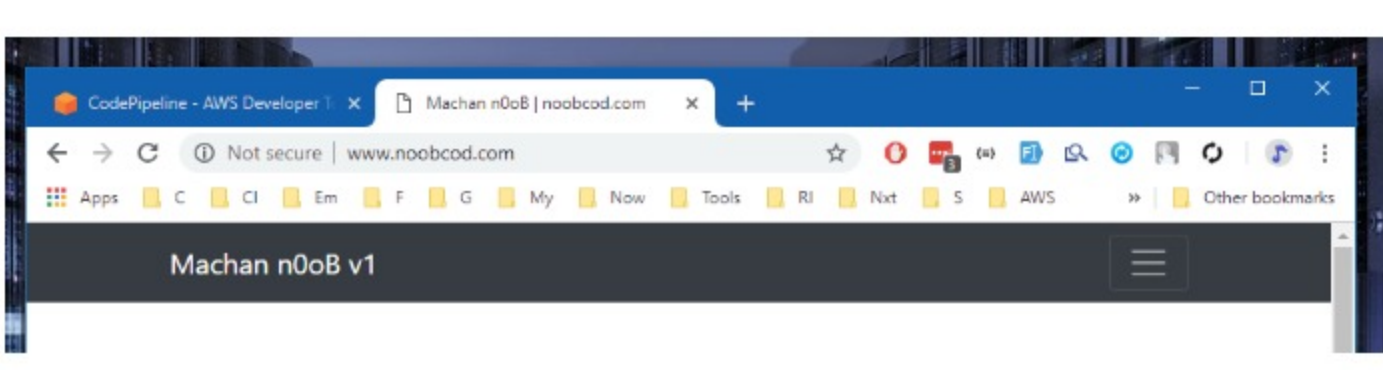
Extract file before deploy: You **must** check this because code pipeline compresses the artifact.

No additional configurations needed. Hit the **Next** button.

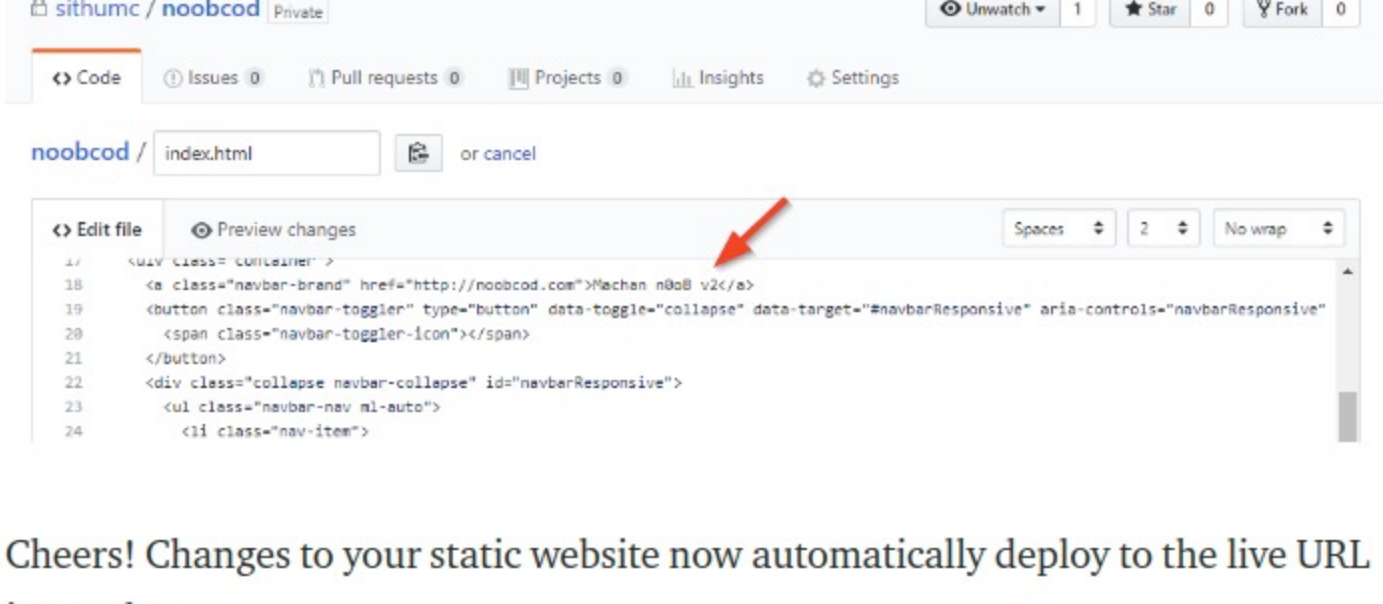
You can go back and change configuration if you made any mistake at the Review step. Hit the **Create Pipeline** button.



Go to your domain from the web browser. It's now deployed.



Make a change on the repository on [Github.com](#) website and hit **Commit** button. Ill change v1 to v2 to get a visible change.



Cheers! Changes to your static website now automatically deploy to the live URL instantly.



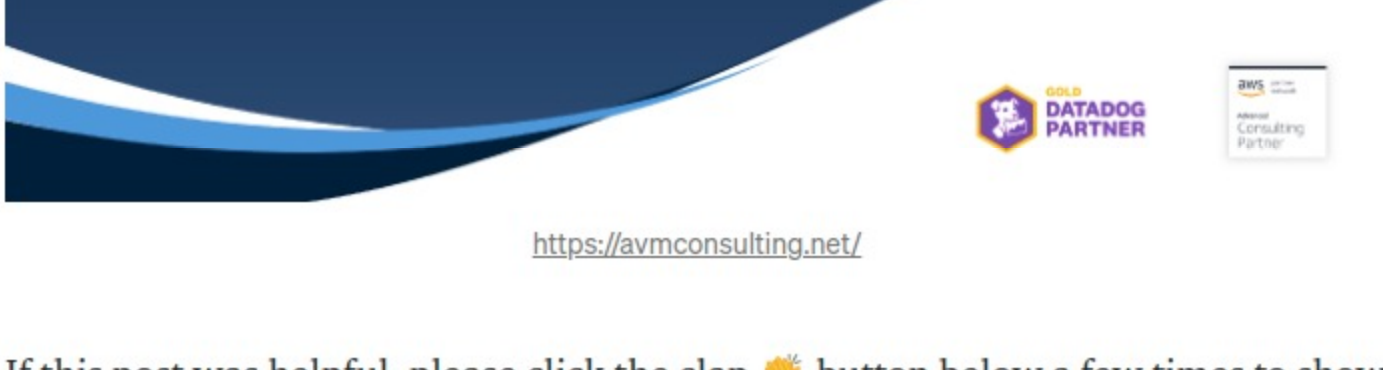
That was fast right?

Cost: This pipeline will cost only \$1 per month and charges only if a deployment happened.

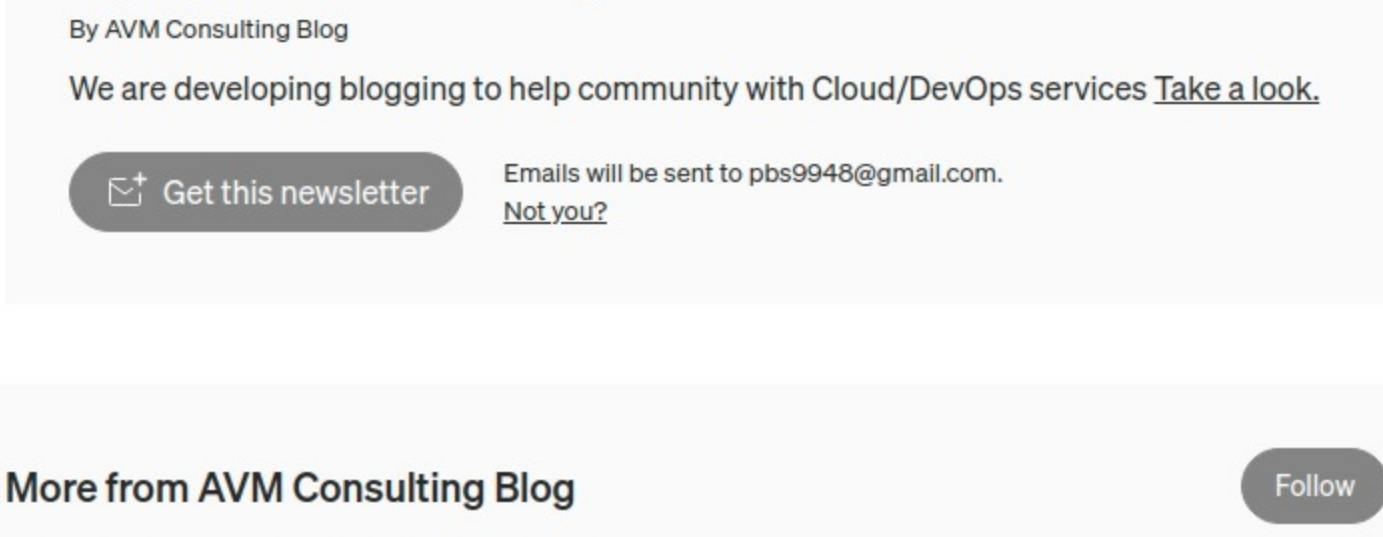
Cleanup: Delete the pipeline you just created.

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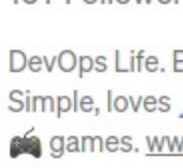
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