Building a CI/CD Pipeline with AWS CloudPipeline to deploy a static website on AWS S3

-Kavitha Bangalore

AWS CodePipeline provides a native AWS continuous deployment pipeline to manage web application deployments from the source code repository to the deployment of the web application.

Below is a high-level architecture diagram of how the CI/CD Pipeline with AWS CodePipeline to Deploy a Static Website on AWS:

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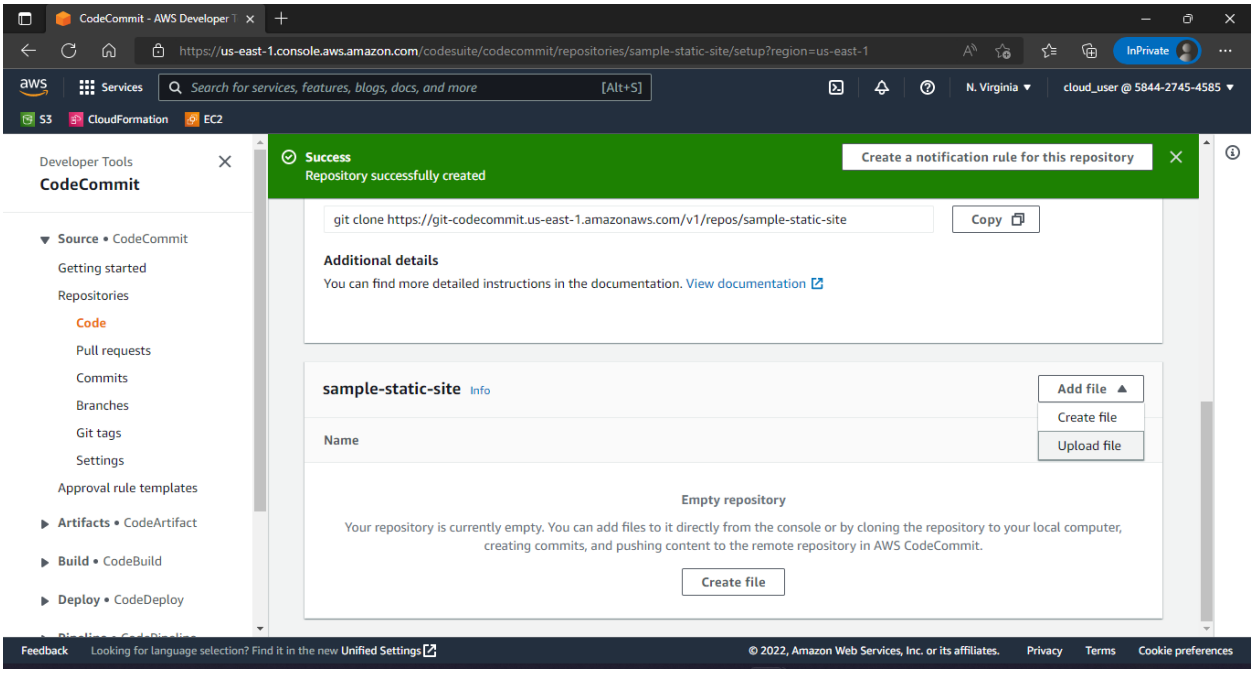
STEP 1: First, create a Repo using CodeCommit from the AWS Management Console.



STEP 2: Upload files using CodeCommit – index.html and mount.jpg

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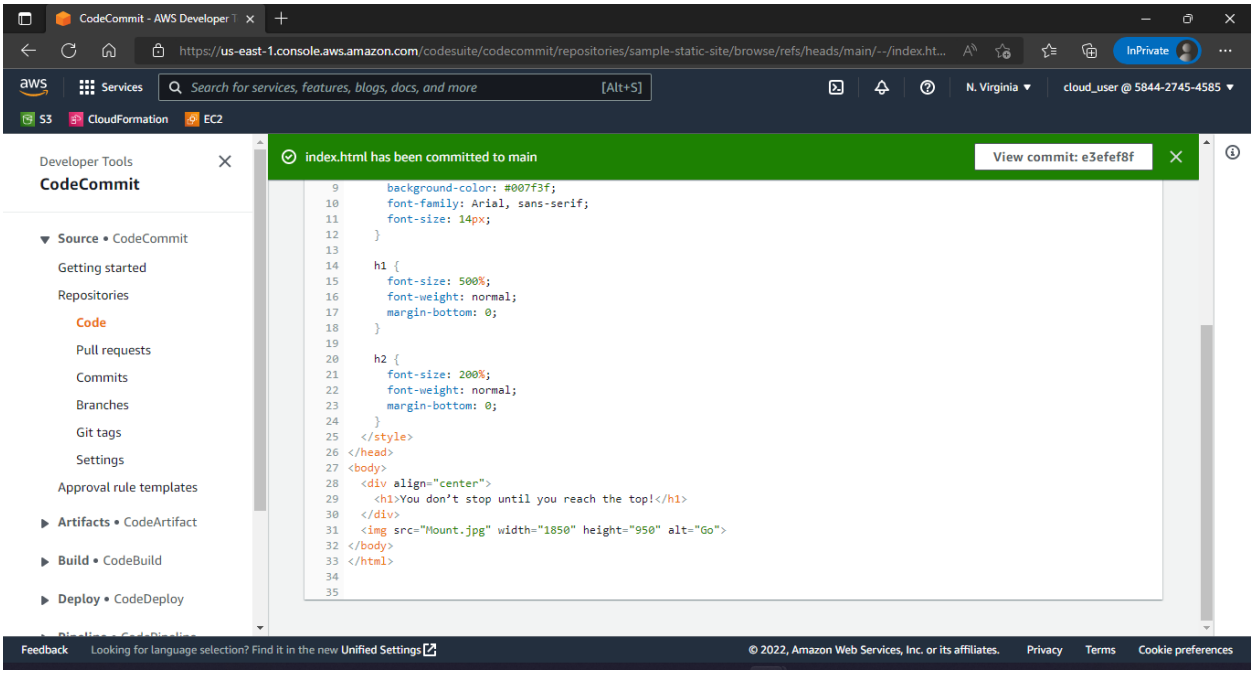

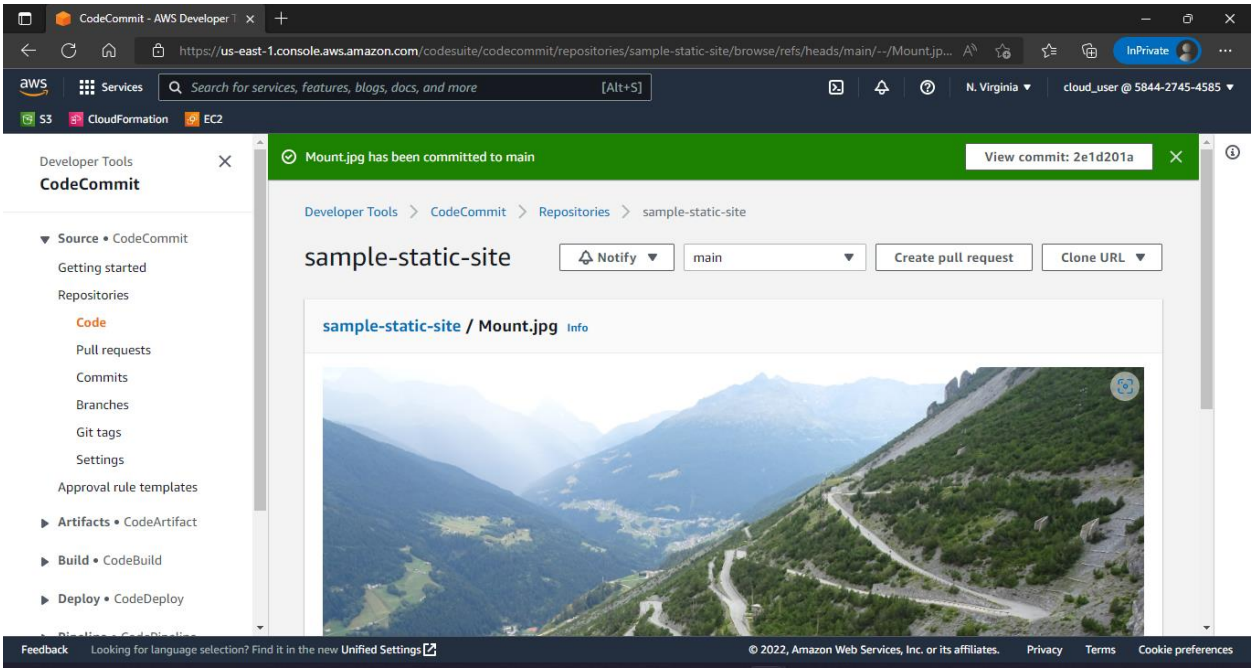

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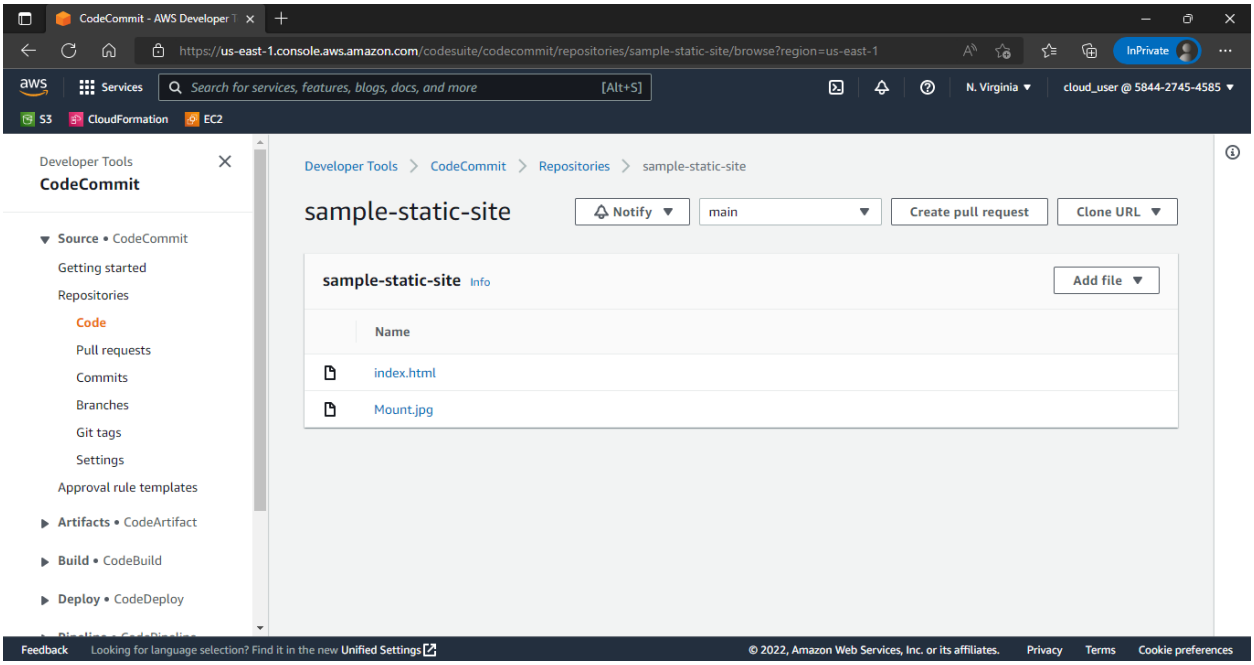

STEP 3: Next setup the S3 bucket and the bucket policy

1. When creating the S3 bucket, enable Static Website Hosting.

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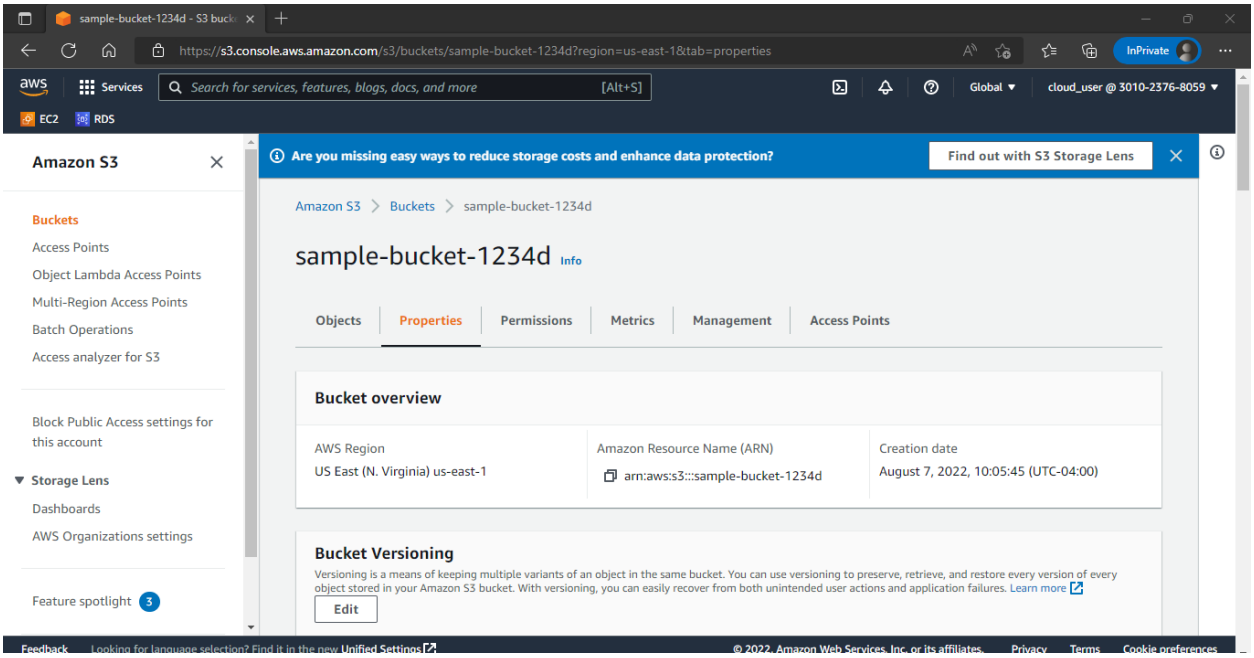

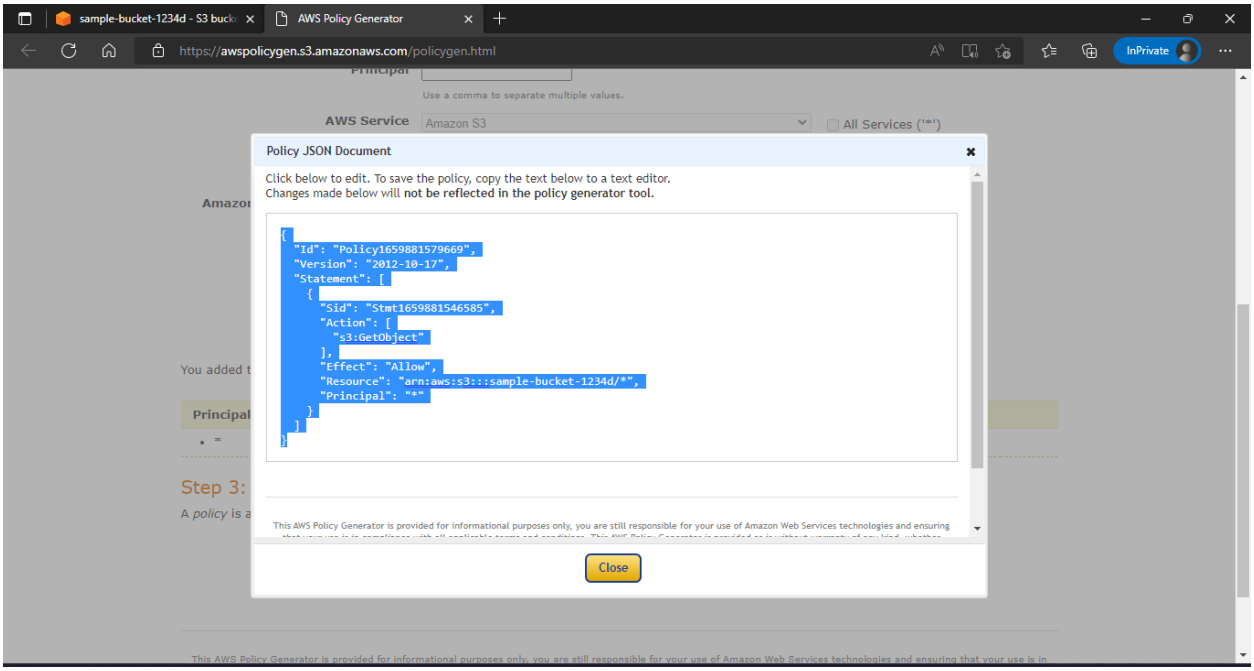

2. In the S3 Bucket under permissions, select the Policy Generator and the Action: GetObject, The Bucket ARN number can be got from the Bucket main page.

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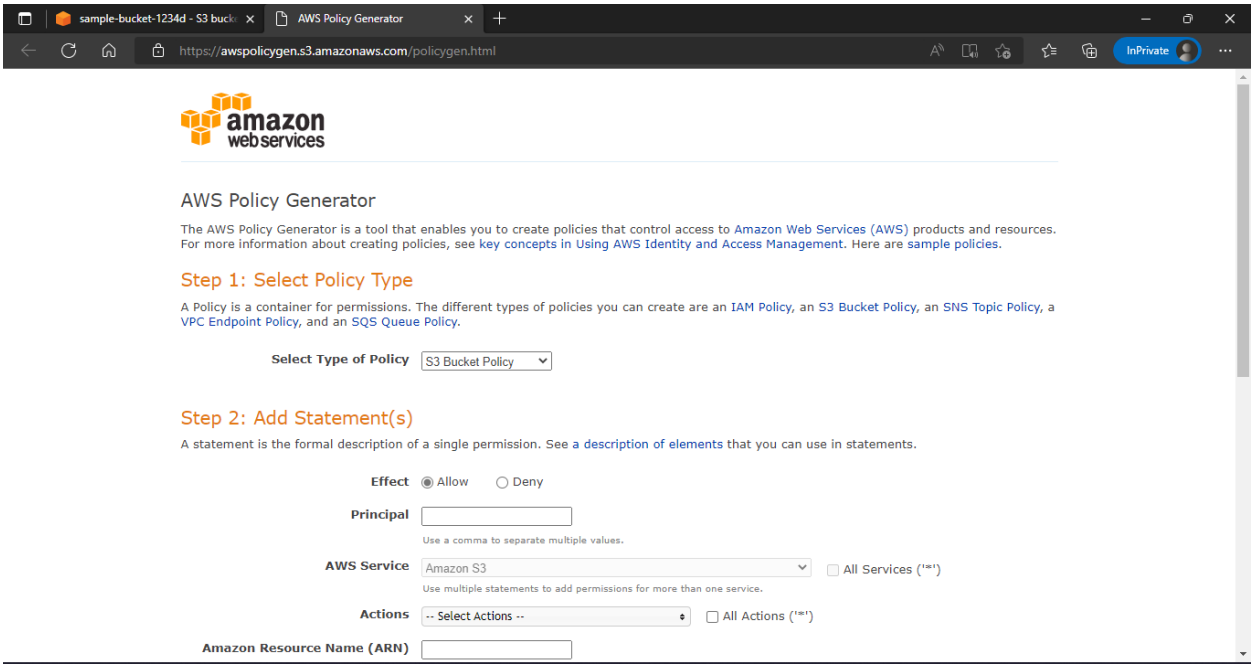
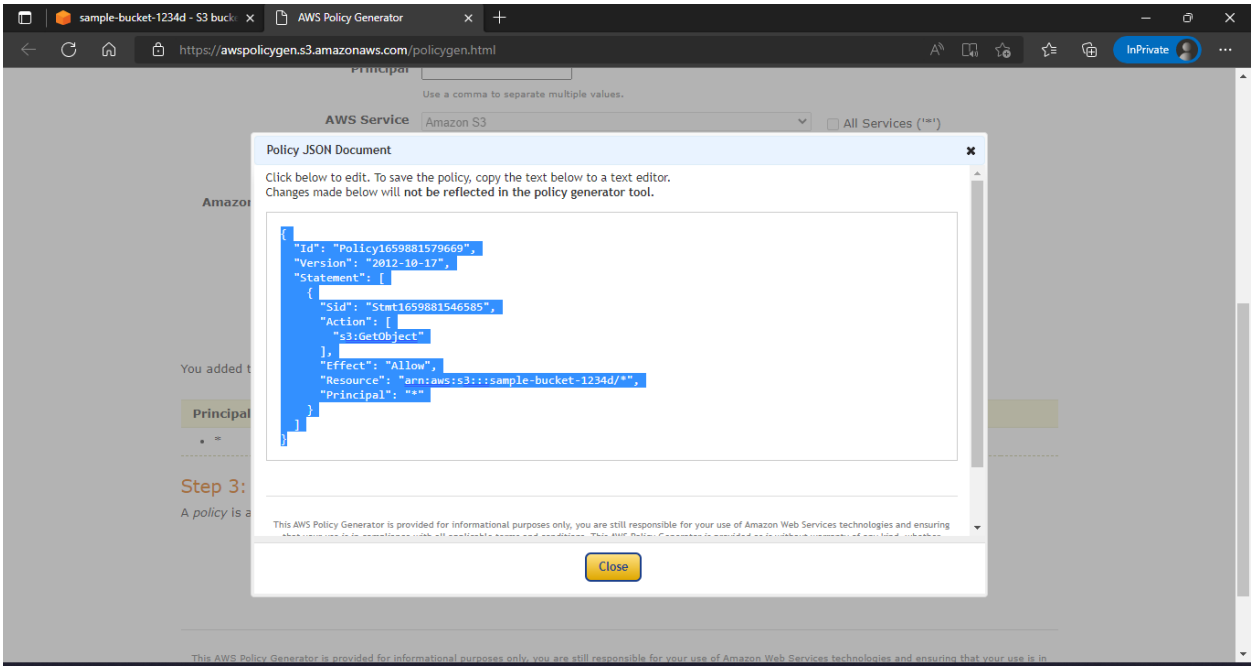


3. Then Add Statement and generate the policy.



4. Copy the policy and paste it in the S3 bucket policy editor.

STEP 4 : Next create the CodePipeline

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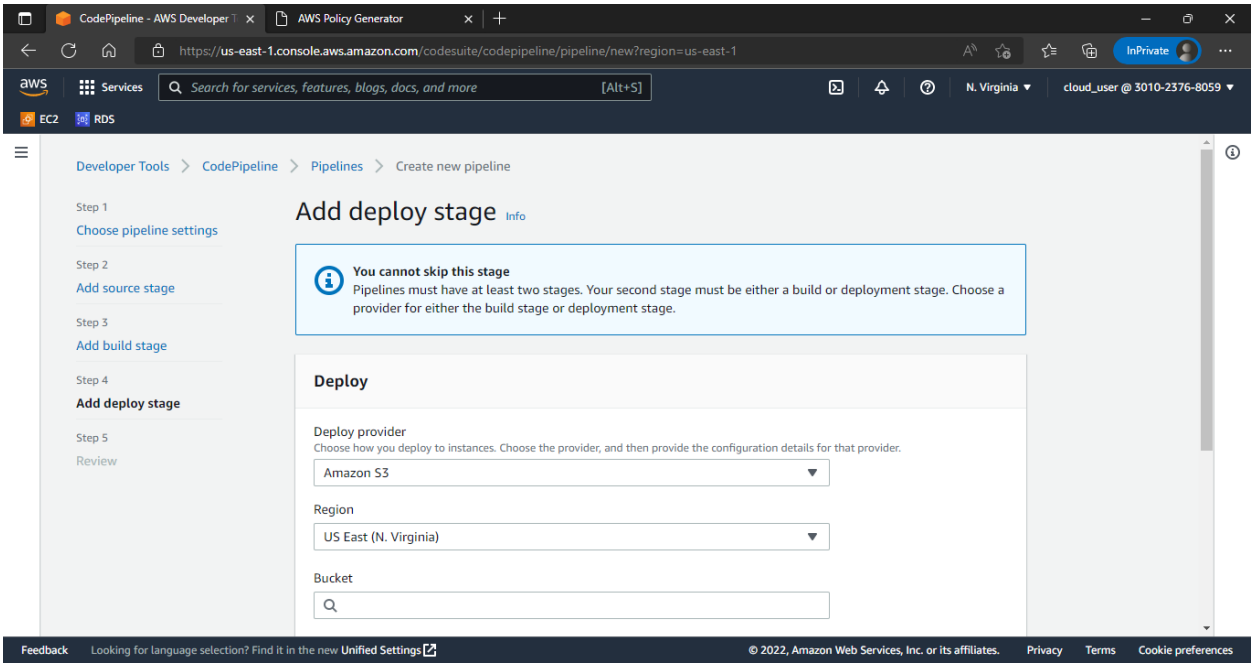
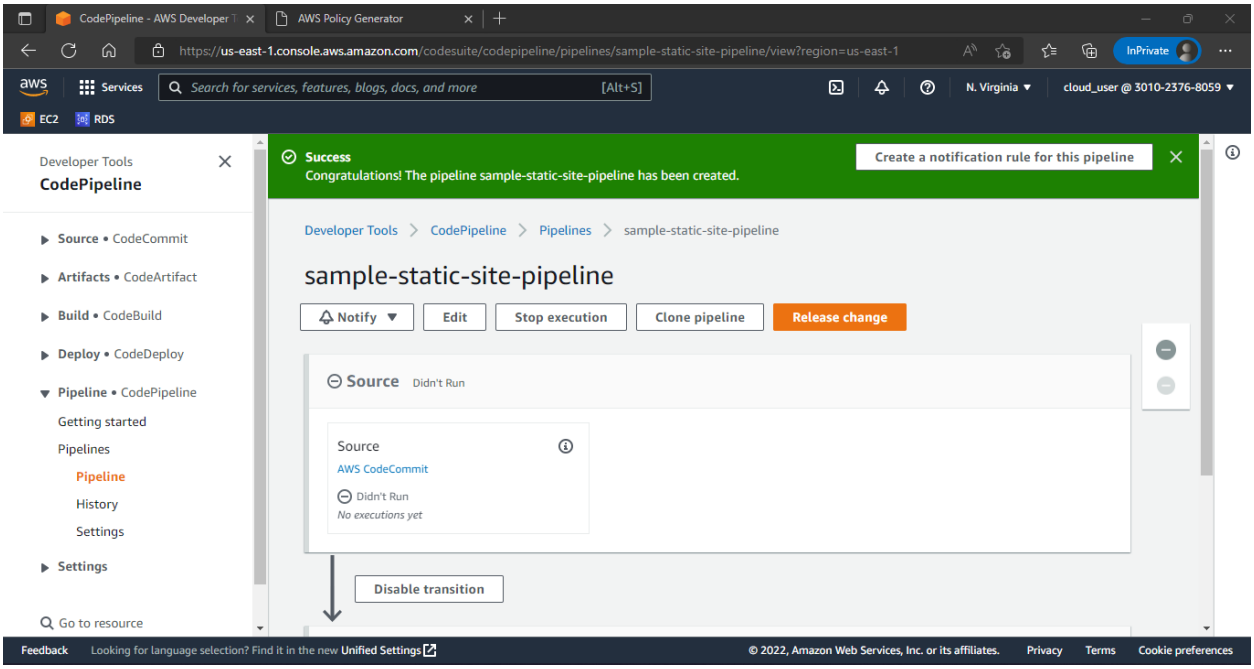
1. The CodePipeline as indicated in the architecture diagram uses the CodeCommit and CodeDeploy services of AWS to deploy the static website.



2. Then extract the file to deploy and create a pipeline.



3. Click the bucket website endpoint URL to view the static website.

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