

# Nnadike, Chiderah David

## Deploying Static website to s3 bucket using CICD pipeline

### The GitHub Repo

For this project, I'll be connecting my publicly accessible github repo (Static\_website\_CICD) to the code pipeline

github.com/chiscomax

**Nnadike Chiderah David**  
chiscomax

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This repo contains my static website CICD deployment project. I deployed the static website to an S3 bucket

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chiscomax adding the error.html filr419796d 21 minutes ago🕒 4 commits

assets

adding the assets directory to the repo

1 hour ago

error.html

adding the error.html filr

21 minutes ago

index.html

adding the index.html file

53 minutes ago

style.css

adding the css file

52 minutes ago

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https://github.com/chiscomax/Static\_Website\_CICD/issues

# Launching the static website on the s3 bucket

The screenshot shows the AWS Management Console interface for the bucket 'static-website-cicd-bucket-david-2023'. The left sidebar contains the 'Amazon S3' navigation menu with options like Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, IAM Access Analyzer for S3, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area displays the bucket's 'Objects (4)' tab, which is 'Publicly accessible'. It includes a table of objects and various action buttons.

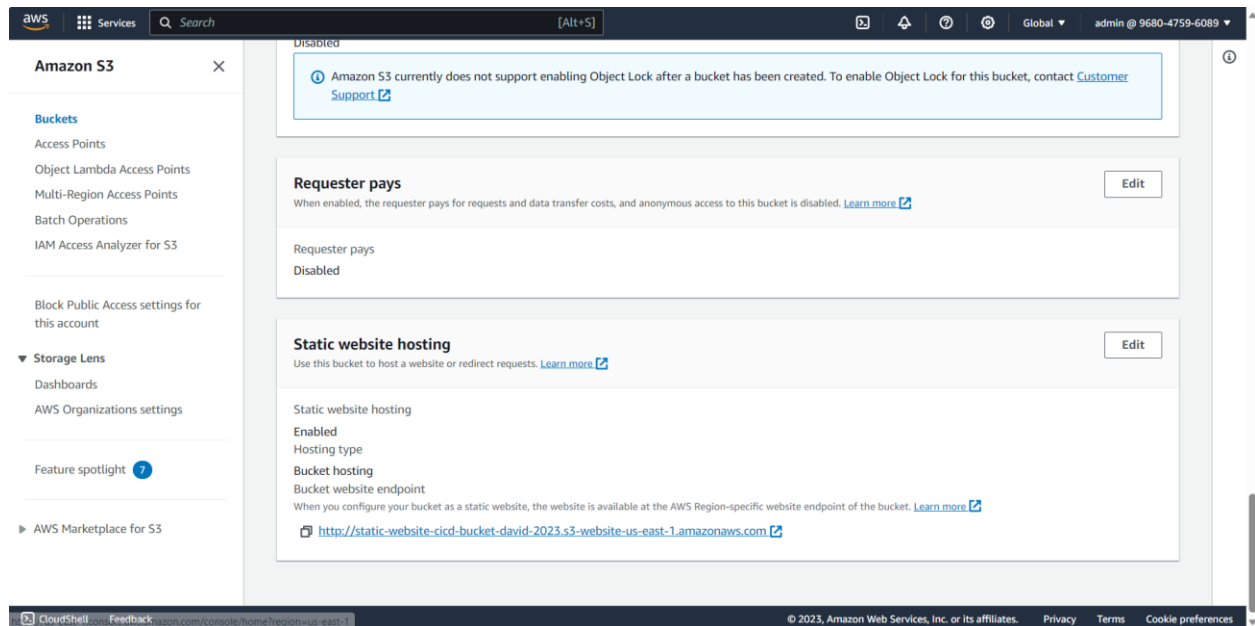
	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	assets/	Folder	-	-	-
<input type="checkbox"/>	error.html	html	September 28, 2023, 23:29:19 (UTC-02:30)	60.0 B	Standard
<input type="checkbox"/>	index.html	html	September 28, 2023, 23:29:19 (UTC-02:30)	1.6 KB	Standard
<input type="checkbox"/>	style.css	css	September 28, 2023, 23:29:19 (UTC-02:30)	3.1 KB	Standard

## Setting up the s3 bucket policy

The screenshot shows the 'Policy editor' for the bucket 'static-website-cicd-bucket-david-2023'. It displays a JSON policy statement that allows getting objects from the bucket. The policy is set to 'Publicly accessible'.

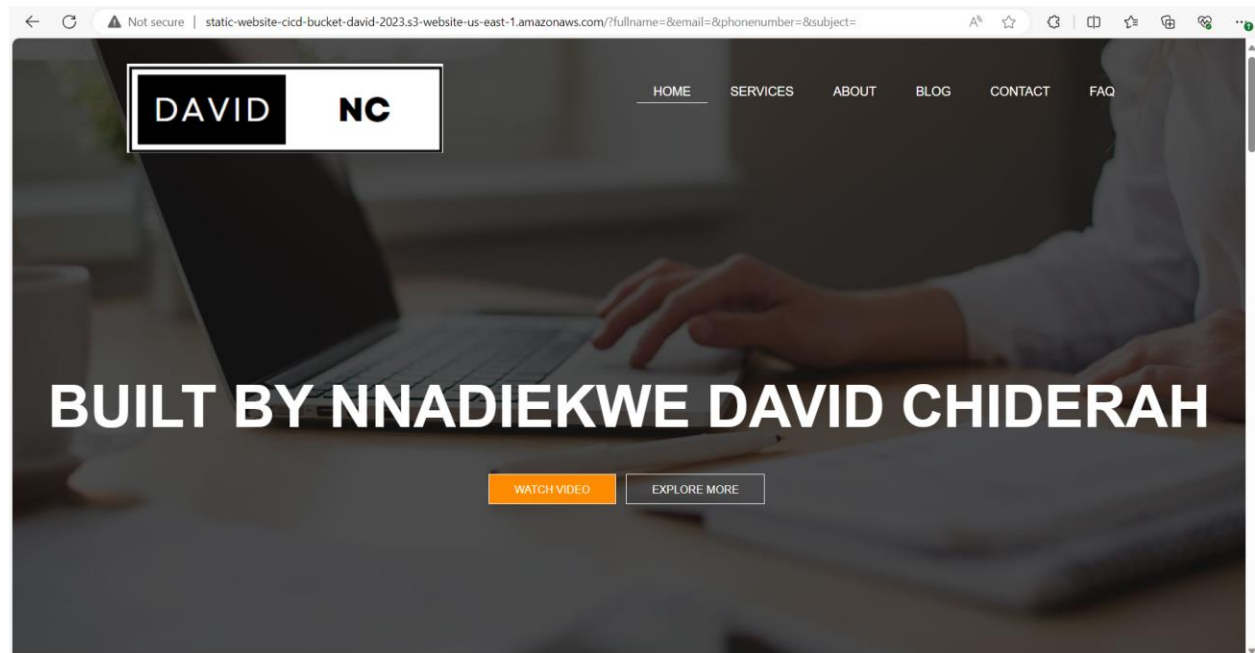
```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "Allows getting objects from the bucket",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::static-website-cicd-bucket-david-2023/*"
    }
  ]
}
```

## Enabling s3 website hosting



Verifying if the website is working: **The website works!**

<http://static-website-cicd-bucket-david-2023.s3-website-us-east-1.amazonaws.com/>



## Building the code pipeline

I linked my github to my code pipeline using GitHub version 2. Here is the link to github repo:  
[https://github.com/chiscomax/Static\\_Website\\_CICD](https://github.com/chiscomax/Static_Website_CICD)

The screenshot shows the AWS CodePipeline console interface. The left sidebar displays a sequence of steps: Step 1 (Choose pipeline settings), Step 2 (Add source stage), Step 3 (Add build stage), Step 4 (Add deployment stage), and Step 5 (Review). The main panel is titled 'Add source stage' and contains the following configuration options:

- Source provider:** A dropdown menu set to 'GitHub (Version 2)'.
- New GitHub version 2 (app-based) action:** A blue informational box stating: 'To add a GitHub version 2 action in CodePipeline, you create a connection, which uses GitHub Apps to access your repository. Use the options below to choose an existing connection or create a new one. [Learn more](#)'.
- Connection:** A section with the text 'Choose an existing connection that you have already configured, or create a new one and then return to this task.' It includes a search bar with the text 'arn:aws:codestar-connections:us-east-1:968047596089:connection/5928df4' and a 'Connect to GitHub' button.
- Ready to connect:** A green box with a checkmark icon and the text 'Your GitHub connection is ready for use.'
- Repository name:** A text input field containing 'chiscomax/Static\_Website\_CICD'.
- Branch name:** A text input field with the placeholder text 'Choose a branch of the repository.'

The screenshot shows the AWS CodePipeline console interface for the 'Add deployment stage' step. The left sidebar shows the sequence of steps: Step 1 (Choose pipeline settings), Step 2 (Add source stage), Step 3 (Add build stage), Step 4 (Add deployment stage), and Step 5 (Review). The main panel is titled 'Add deployment stage' and contains the following configuration options:

- You cannot skip this stage:** A blue informational box stating: 'Pipelines must have at least two stages. Your second stage must be either a build or deployment stage. Choose a provider for either the build stage or deployment stage.'
- Deploy provider:** A dropdown menu set to 'Amazon S3'.
- Region:** A dropdown menu set to 'US East (N. Virginia)'.
- Bucket:** A text input field containing 'static-website-cicd-bucket-david-2023'.
- Deployment path - optional:** An empty text input field.
- Extract file before deploy:** A checked checkbox with the text 'The deployed artifact will be unzipped before deployment.'
- Additional configuration:** A section with a right-pointing arrow icon.

The code pipeline has been successfully created.

aws

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CodePipeline

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Pipeline

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static\_website\_CICD\_pipeline

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Stop execution

Clone pipeline

Release change

Source

Succeeded

Pipeline execution ID: ede91d37-4242-45fc-ba8d-ff59f14ff6eb

Source

GitHub (Version 2)

Succeeded - Just now

419796d7

419796d7 Source: adding the error.html filr

Disable transition

Deploy

Succeeded

Pipeline execution ID: ede91d37-4242-45fc-ba8d-ff59f14ff6eb

Deploy

Amazon S3

Succeeded - Just now

CloudShell

Feedback

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