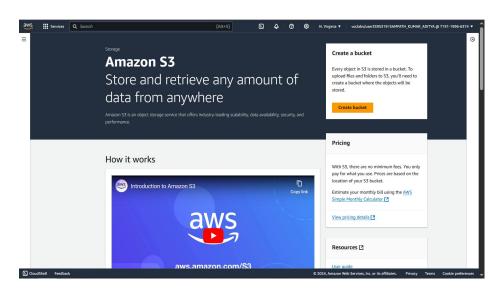
Create a Simple Web App

1. First, create a simple web app with an index.html file:

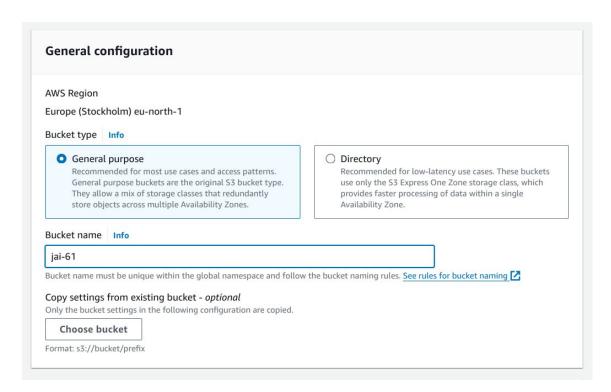
This file will serve as the web page deployed to your S3 bucket and later to the EC2 instance.

Set Up S3 Bucket for Web App Hosting

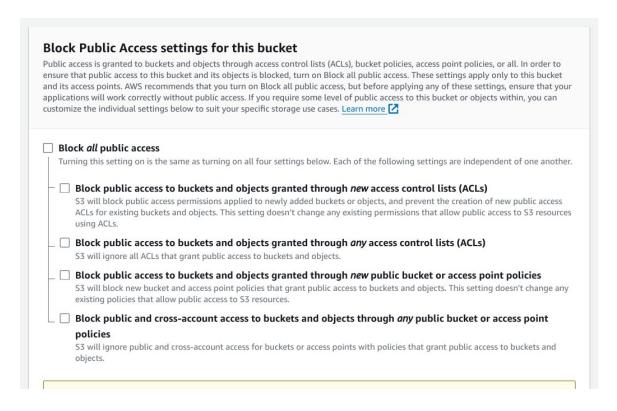
Open the AWS S3 console



Create a new S3 bucket



 Under Permissions, uncheck the "Block all public access" option, allowing public access for web hosting.





Turning off block all public access might result in this bucket and the objects within becoming public

AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

✓ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Configure the Bucket for Website Hosting:

• Go to the **Properties** tab of your S3 bucket.

	ost a website or redirect requests. Learn more 🔀
Static website h	osting
Disable	
Enable	
Hosting type	
 Host a static Use the bucket 	website endpoint as the web address. <u>Learn more</u> 🔀
	ests for an object ts to another bucket or domain. Learn more
Tools of the second second	ustomers to access content at the website endpoint, you must make all your content publicly To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see
Using Am	azon S3 Block Public Access 🖸
ndex document	

- Scroll down to Static website hosting.
- Enable it, and set the **Index document** as index.html.

o Copy the bucket website URL for testing the web app later.

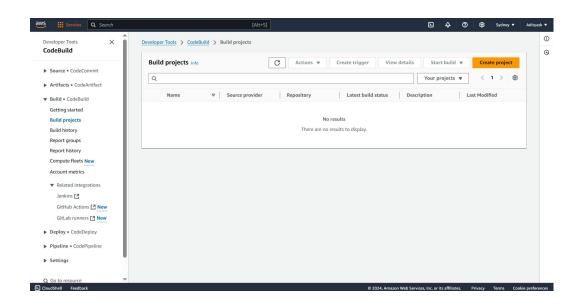


Set Up CodeBuild for Your Web App

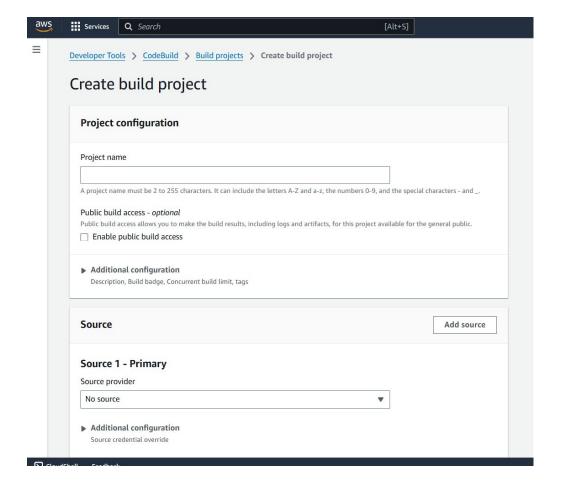
Create a Buildspec File: In your project directory (where index.html resides), create a buildspec.yml file. This file tells AWS CodeBuild what to do during the build.

Go to AWS CodeBuild:

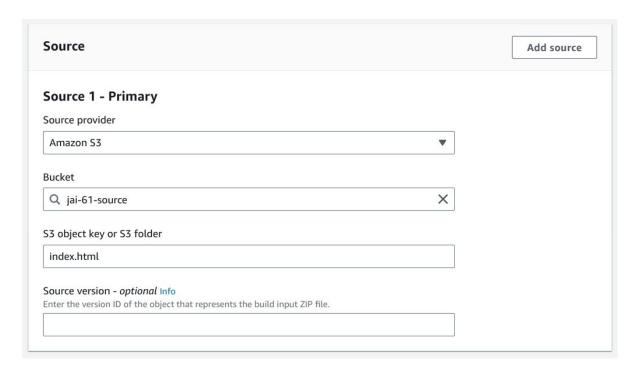
o Open the console



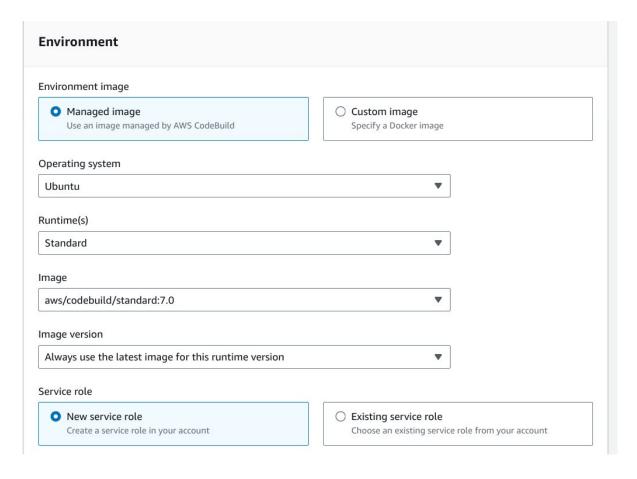
o Create a new build project.



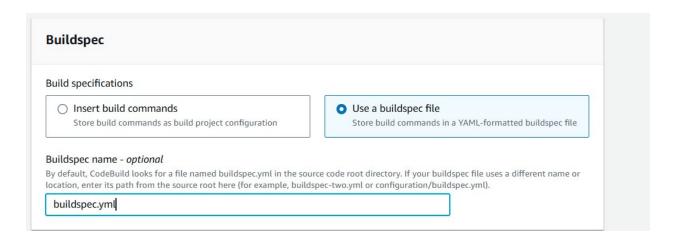
o For **Source**, choose your source repository (e.g., GitHub, Bitbucket, or S3).



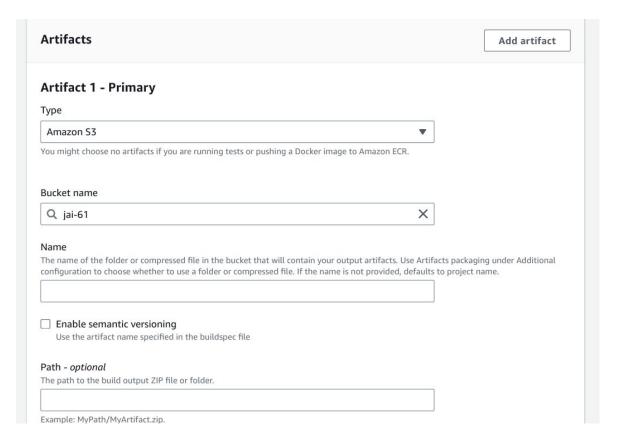
• Under Environment, choose Managed Image with Ubuntu, and select Runtime: Standard.



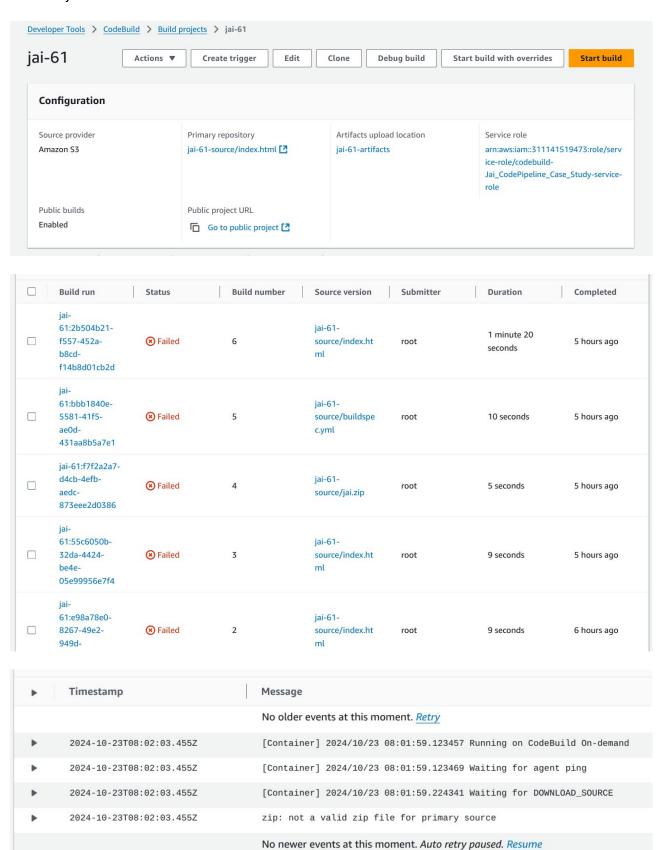
o specify the buildspec.yml file you created. before this add it to your git repo



Set Artifacts to "S3", and choose the bucket you created earlier.



• Create the build project and start the build to ensure it uploads index.html to the S3 bucket.



The error is that AWS CodeBuild was expecting a zip file even though the source object key had been properly specified as index.html, zipping all the files in the source did not help, that resulted in a different error.