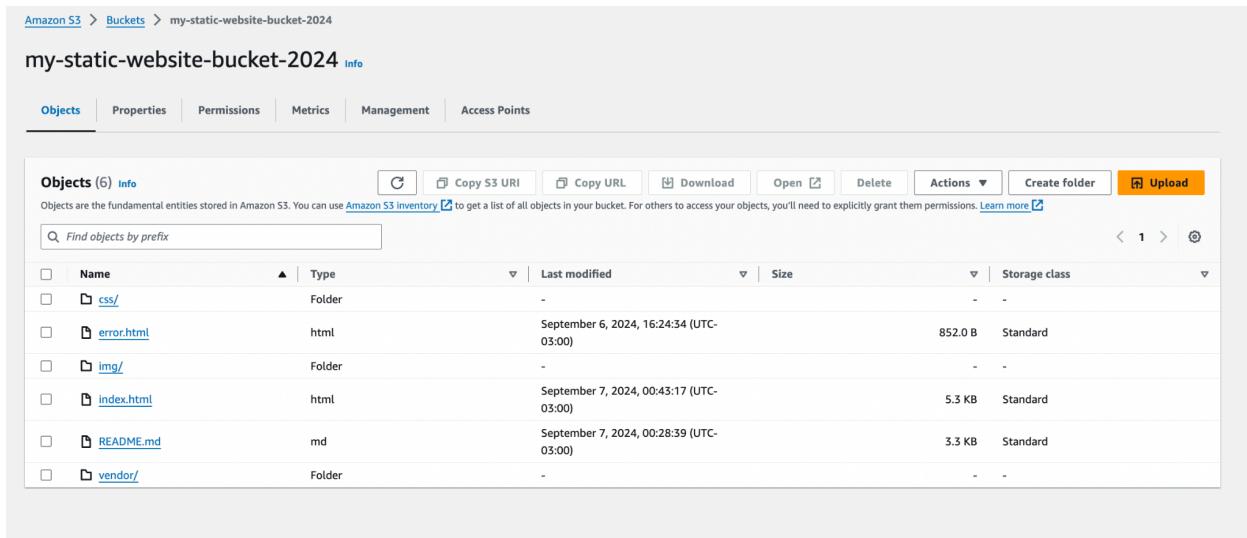


# S3 Bucket Website Files

## Creating S3 Bucket

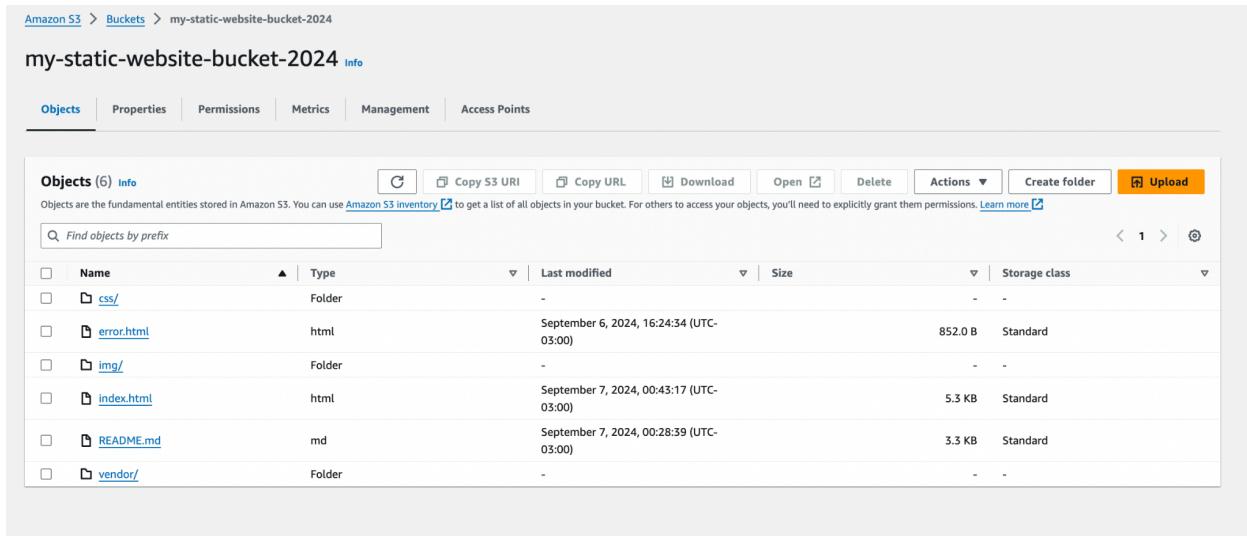


This screenshot shows the AWS Management Console interface for an S3 bucket named "my-static-website-bucket-2024". The "Objects" tab is selected, displaying a list of files and folders. The objects listed are:

Name	Type	Last modified	Size	Storage class
css/	Folder	-	-	-
error.html	html	September 6, 2024, 16:24:34 (UTC-03:00)	852.0 B	Standard
img/	Folder	-	-	-
index.html	html	September 7, 2024, 00:43:17 (UTC-03:00)	5.3 KB	Standard
README.md	md	September 7, 2024, 00:28:39 (UTC-03:00)	3.3 KB	Standard
vendor/	Folder	-	-	-

This shows the S3 bucket ([my-static-website-bucket-2024](#)) created in the AWS Management Console.

## Uploading Website Files to S3



This screenshot shows the AWS Management Console interface for the same S3 bucket "my-static-website-bucket-2024". The "Objects" tab is selected, displaying the same list of files and folders as before, indicating that no new files have been uploaded since the previous screenshot.

This shows the website files (e.g., `index.html`, `error.html`, folders for `img`, `css`) uploaded to the S3 bucket.

## Enabling Static Website Hosting

This screenshot shows the 'Static website hosting' configuration for a bucket. It includes sections for 'Static website hosting' status (Enabled), 'Hosting type' (Bucket hosting), and 'Bucket website endpoint' (http://my-static-website-bucket-2024.s3-website-us-east-1.amazonaws.com). A 'Learn more' link is provided for each section.

This screenshot shows that static website hosting is enabled for the bucket, along with the endpoint URL.

## Setting Up Bucket Permissions

This screenshot shows the JSON-based bucket policy. It grants public read access to all objects in the bucket. The policy document is as follows:

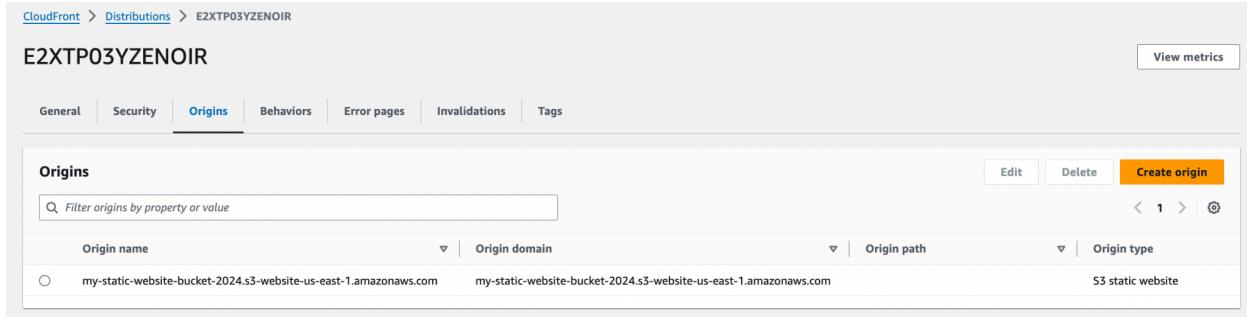
```
{ "Version": "2012-10-17", "Statement": [ { "Effect": "Allow", "Principal": "", "Action": "s3:GetObject", "Resource": "arn:aws:s3:::my-static-website-bucket-2024/*" } ] }
```

A 'Copy' button is available to duplicate the policy.

This shows the bucket policy granting public read access (`s3:GetObject`) to allow anyone to access the files.

# Website CloudFront Distribution

## Creating CloudFront Distribution

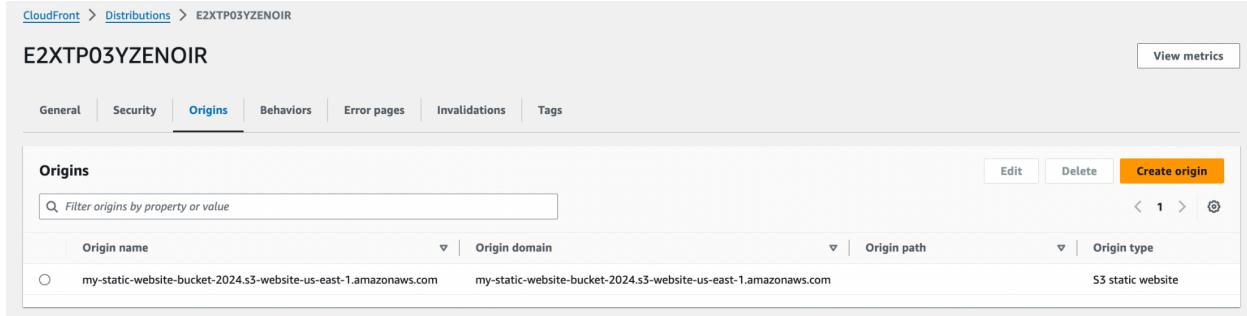


This screenshot shows the CloudFront distribution configuration page for the distribution E2XTP03YZENOIR. The 'Origins' tab is selected. A single origin entry is listed:

Origin name	Origin domain	Origin path	Origin type
my-static-website-bucket-2024.s3-website-us-east-1.amazonaws.com	my-static-website-bucket-2024.s3-website-us-east-1.amazonaws.com		S3 static website

This screenshot shows the CloudFront distribution created for the S3 bucket, along with its domain name (<https://d3utgxg3njrqmi.cloudfront.net/>) and other configuration details.

## CloudFront Origins Configuration



This screenshot shows the CloudFront distribution configuration page for the distribution E2XTP03YZENOIR. The 'Origins' tab is selected. A single origin entry is listed:

Origin name	Origin domain	Origin path	Origin type
my-static-website-bucket-2024.s3-website-us-east-1.amazonaws.com	my-static-website-bucket-2024.s3-website-us-east-1.amazonaws.com		S3 static website

This shows the origins tab where the S3 bucket is set as the origin for CloudFront, ensuring the correct website files are served.

## Web Browser Access

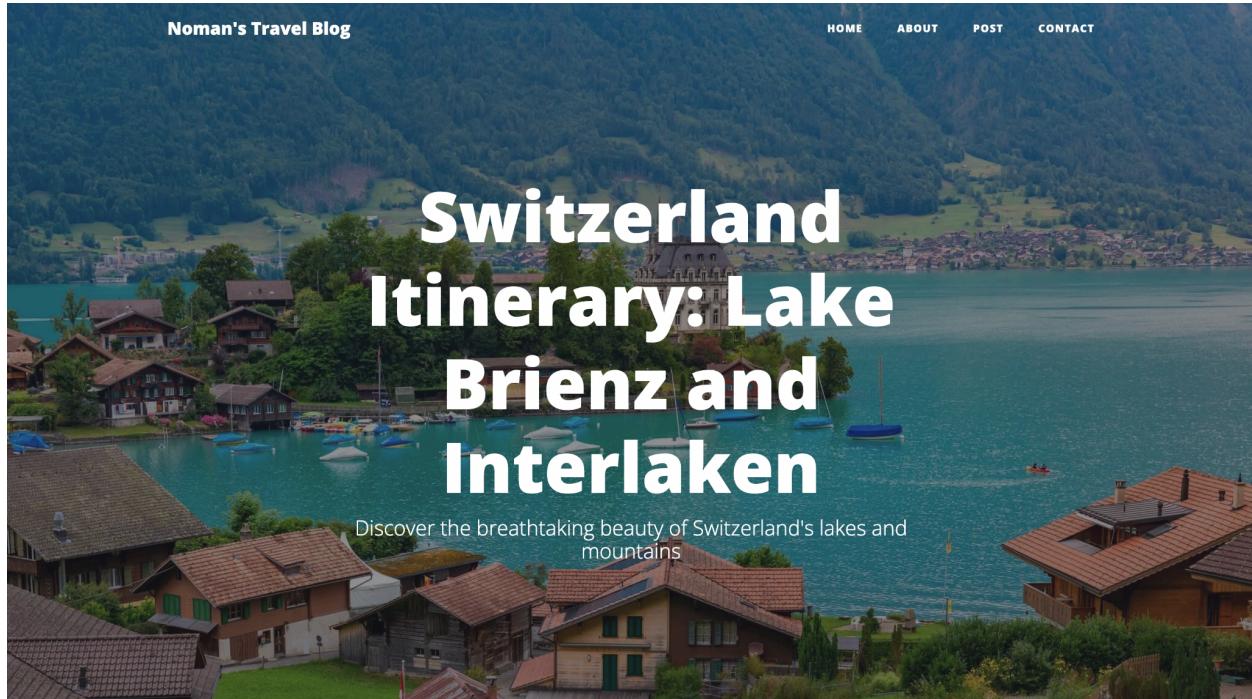
### Website Accessibility

The website is publicly accessible at the following CloudFront endpoint:

- URL: <https://d3utgxg3njrqmi.cloudfront.net/>

This link allows anyone to view the static website hosted on AWS S3 via CloudFront distribution.

### Verifying Public Website Access



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These show the public-facing website accessible via the CloudFront domain and S3 static website endpoint, confirming successful deployment.