

Deploy Static Website on AWS

Cloud Fundamentals

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* S3 Bucket Creation

1. Create S3 bucket

for services, features, marketplace products, and docs [Option+S] voclabs/user1633794=0819bdee-aa47-11e9-840e-27fd7f1cc46 @ 84... Global Support

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose [Provide feedback](#).

AWS Snow Family is a suite of highly-secure, portable devices equipped to transfer petabytes of data into Amazon S3. [Learn More](#)

Amazon S3

Account snapshot [View Storage Lens dashboard](#)

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

Buckets (1) [Info](#) [Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Buckets are containers for data stored in S3. [Learn more](#)

Name	AWS Region	Access	Creation date
sherifhmdy-travelblog-bucket	US East (N. Virginia) us-east-1	Public	October 18, 2021, 00:20:35 (UTC+02:00)

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2. Upload website files

for services, features, marketplace products, and docs [Option+S] voclabs/user1633794=0819bdee-aa47-11e9-840e-27fd7f1cc46 @ 84... Global Support

Amazon S3 > sherifhmdy-travelblog-bucket

sherifhmdy-travelblog-bucket [Info](#)

[Publicly accessible](#)

[Objects](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

Objects (5)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#)

[Upload](#)

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	css/	Folder	-	-	-
<input type="checkbox"/>	img/	Folder	-	-	-
<input type="checkbox"/>	index.html	html	October 18, 2021, 00:48:39 (UTC+02:00)	6.1 KB	Standard
<input type="checkbox"/>	README.txt	txt	October 18, 2021, 00:48:39 (UTC+02:00)	382.0 B	Standard
<input type="checkbox"/>	vendor/	Folder	-	-	-

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3. Change bucket permission to public-read

The screenshot shows the Amazon S3 console interface. At the top, there are navigation links and a user profile. Below the navigation bar, there are two status indicators: "Block public access to buckets and objects granted through new public bucket or access point policies" and "Block public and cross-account access to buckets and objects through any public bucket or access point policies", both marked as "Off". The main section is titled "Bucket policy" and includes a description: "The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)". There are "Edit" and "Delete" buttons. Below this, a JSON policy is displayed in a text area, with a "Copy" button to its right. The JSON policy is as follows:

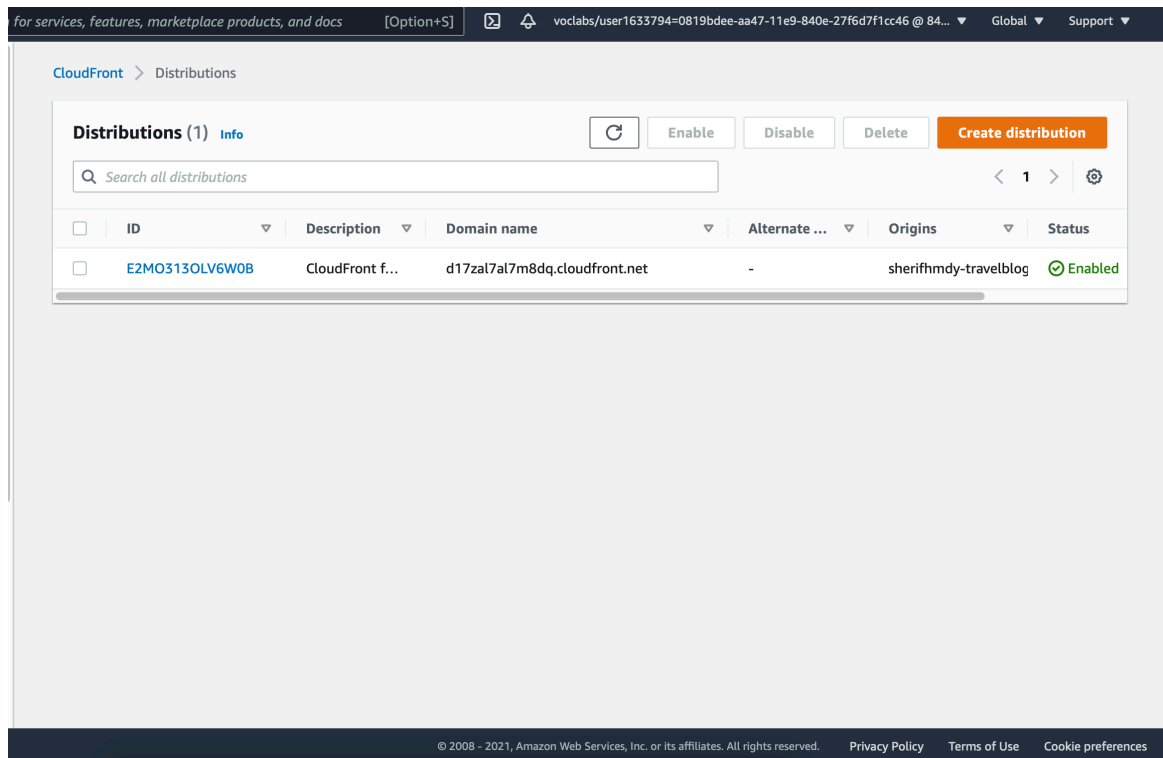
```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AddPerm",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::sherifhmdy-travelblog-bucket/*"
    }
  ]
}
```

At the bottom of the console, there is a footer with copyright information and links to "Privacy Policy", "Terms of Use", and "Cookie preferences".

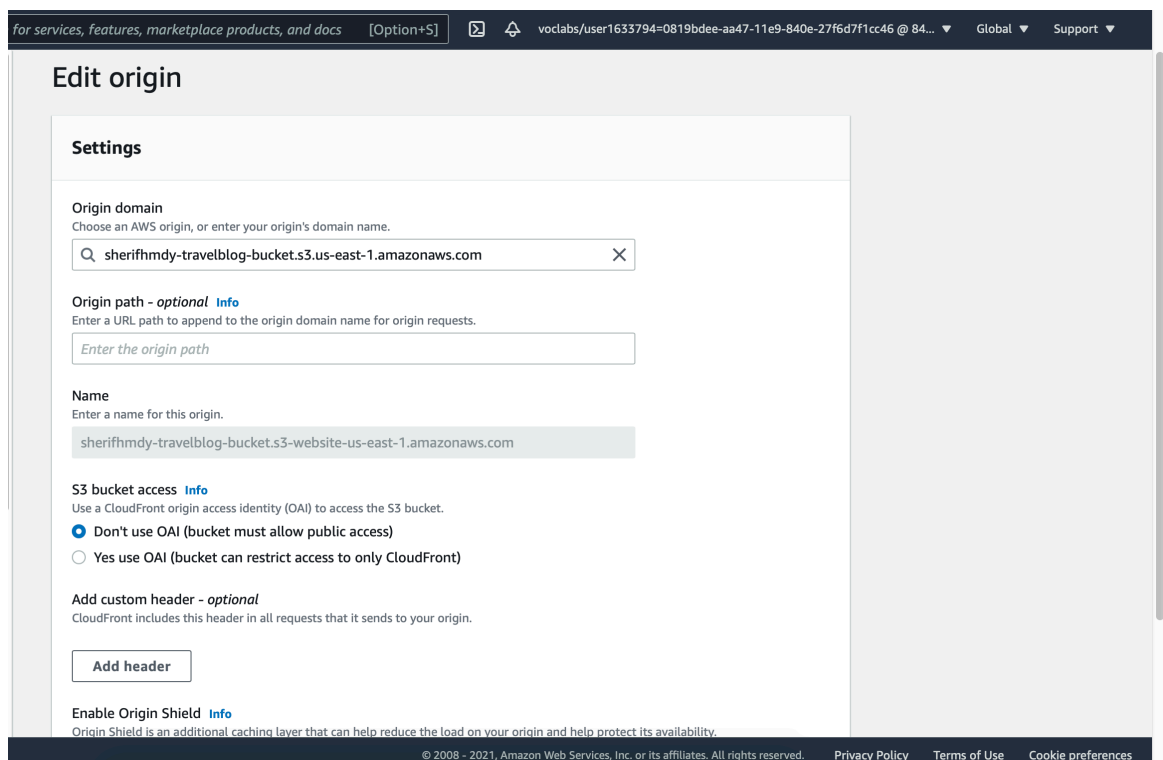
4. Enable website hosting on created bucket

The screenshot shows the Amazon S3 console interface for the "Static website hosting" configuration. The page title is "Static website hosting" with a description: "Use this bucket to host a website or redirect requests. [Learn more](#)". There are two main sections: "Static website hosting" and "Hosting type". In the "Static website hosting" section, the "Enable" radio button is selected. In the "Hosting type" section, the "Host a static website" radio button is selected, with a sub-description: "Use the bucket endpoint as the web address. [Learn more](#)". Below this, there is a blue information box with a note: "For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)". The "Index document" section has a text input field containing "index.html". The "Error document - optional" section has a text input field containing "index.html". The "Redirection rules - optional" section has a description: "Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)". At the bottom, there is a footer with copyright information and links to "Privacy Policy", "Terms of Use", and "Cookie preferences".



5. Create CloudFront distribution for the website



6. Origin Created



7. Behavior configurations

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Settings

Path pattern [Info](#)

Default (*)

Origin and origin groups

sherifhmdy-travelblog-bucket.s3-website-us-east-1.amazonaws.com ▼

Compress objects automatically [Info](#)

☐ No

☒ Yes

Viewer

Viewer protocol policy

☐ HTTP and HTTPS

☒ Redirect HTTP to HTTPS

☐ HTTPS only

Allowed HTTP methods

☒ GET, HEAD

☐ GET, HEAD, OPTIONS

☐ GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE

Restrict viewer access

If you restrict viewer access, viewers must use CloudFront signed URLs or signed cookies to access your content.

☒ No

☐ Yes

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8. Edit error response for CloudFront to redirect error page related to forbidden while searching for non-exist post.html to index.html

for services, features, marketplace products, and docs [Option+S] voclabs/user1633794=0819bdee-aa47-11e9-840e-27f6d7f1cc46 @ 84... Global Support

Edit custom error response

Error response [Info](#)

HTTP error code
Customize the custom error response when the origin sends this error code.

403: Forbidden

Error caching minimum TTL
Enter the error caching minimum time to live (TTL), in seconds.

10

Customize error response
Send a custom error response instead of the error received from the origin.

☐ No

☒ Yes

Response page path
Enter the path to the custom error response page.

/index.html

HTTP Response code
Choose the HTTP status code to return to the viewer. CloudFront can return a different status code to the viewer than what it received from the origin.

403: Forbidden

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