

Deploy a Static Website AWS

1- Create S3 Bucket

The screenshot shows the 'Create bucket' page in the AWS S3 console. The top navigation bar includes icons for S3, Lambda, CloudWatch, EC2, VPC, DynamoDB, RDS, and CloudFront. The main content area has a 'Bucket name' field with the value 'roboeye-bucket'. Below it, a note states: 'Bucket name must be globally unique and must not contain spaces or uppercase letters. See rules for bucket naming'. The 'AWS Region' is set to 'US East (N. Virginia) us-east-1'. There is a section for 'Copy settings from existing bucket - optional' with a 'Choose bucket' button. Below this is the 'Object Ownership' section, which includes an 'Info' link and a description: 'Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.' There are two radio button options: 'ACLs disabled (recommended)' (selected) and 'ACLs enabled'. The 'ACLs disabled' option has a description: 'All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.' The 'ACLs enabled' option has a description: 'Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.' At the bottom, the 'Object Ownership' is set to 'Bucket owner enforced'.

Bucket name
roboeye-bucket

Bucket name must be globally unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region
US East (N. Virginia) us-east-1

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.
[Choose bucket](#)

Object Ownership [Info](#)
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

☒ **ACLs disabled (recommended)**
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

☐ **ACLs enabled**
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

Object Ownership
Bucket owner enforced

2- S3 Bucket

The screenshot shows the 'Buckets' page in the AWS S3 console. The top navigation bar includes icons for S3, Lambda, CloudWatch, EC2, VPC, DynamoDB, RDS, and CloudFront. The left sidebar shows the 'Amazon S3' navigation menu with options: Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Block Public Access settings for this account, Storage Lens, Dashboards, and AWS Organizations settings. The main content area has a header 'Amazon S3 > Buckets'. Below this is an 'Account snapshot' section with a 'View Storage Lens dashboard' button. The 'Account snapshot' section displays the following data:

Total storage	Object count	Avg. object size
229.2 KB	1	229.2 KB

You can enable advanced metrics in the ["default-account-dashboard"](#) configuration.

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

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

Find buckets by name

Name	AWS Region	Access	Creation date
<input type="radio"/> roboeye-bucket	US East (N. Virginia) us-east-1	Public	October 16, 2022, 23:42:02 (UTC+02:00)

3- Upload files

Amazon S3

Objects

Objects (4)

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](#)

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

[Upload](#)

Find objects by prefix

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	css/	Folder	-	-	-
<input type="checkbox"/>	img/	Folder	-	-	-
<input type="checkbox"/>	index.html	html	October 19, 2022, 01:04:07 (UTC+02:00)	6.1 KB	Standard
<input type="checkbox"/>	vendor/	Folder	-	-	-

4- Static web hosting configuration

Static website hosting

☐ Disable
☒ Enable

Hosting type

☒ Host a static website
Use the bucket endpoint as the web address. [Learn more](#)

☐ Redirect requests for an object
Redirect requests to another bucket or domain. [Learn more](#)

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](#)

Index document
Specify the home or default page of the website.
index.html

Error document - optional
This is returned when an error occurs.
error.html

Successfully edited static website hosting.

Requester pays
Disabled

Static website hosting [Edit](#)

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
Enabled

Hosting type
Bucket hosting

Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

<http://roboeye-bucket.s3-website-us-east-1.amazonaws.com>

5- Browse website with s3 bucket URL



6- Cloud front Distribution

S3 **Lambda** **CloudWatch** **EC2** **VPC** **DynamoDB** **RDS** **CloudFront**

Origin domain
Choose an AWS origin, or enter your origin's domain name.

Origin path - optional [Info](#)
Enter a URL path to append to the origin domain name for origin requests.

Name
Enter a name for this origin.

Origin access [Info](#)

☐ Public
Bucket must allow public access.

☐ Origin access control settings (recommended)
Bucket can restrict access to only CloudFront.

☒ Legacy access identities
Use a CloudFront origin access identity (OAI) to access the S3 bucket.

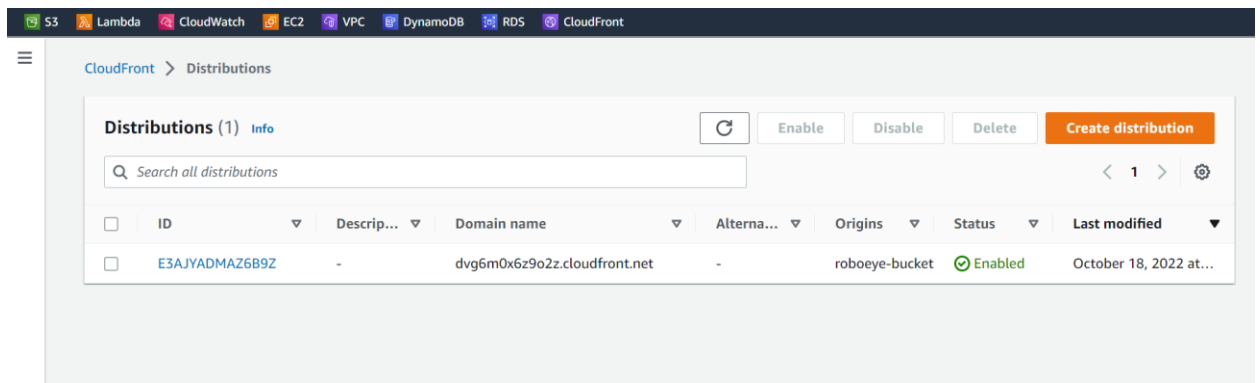
Origin access identity
Select an existing origin access identity (recommended) or create a new identity.

Bucket policy
Update the S3 bucket policy to allow read access to the OAI.

☒ No, I will update the bucket policy

☐ Yes, update the bucket policy

Add custom header - optional
CloudFront includes this header in all requests that it sends to your origin.



7- Browse website with CloudFront URL

