

Project 1: Deploy Static Website on AWS

1. Creating a public S3 Bucket

Amazon S3

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

[View Storage Lens dashboard](#)

Buckets (1) [Info](#)

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

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

	Name	AWS Region	Access	Creation date
<input type="radio"/>	firstprojectbucket-977985795044	US East (Ohio) us-east-2	Objects can be public	March 5, 2022, 21:15:18 (UTC+03:00)

2. Uploading website files and folders in S3 Bucket

Amazon S3 > firstprojectbucket-977985795044

firstprojectbucket-977985795044 [Info](#)

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

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](#)

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

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	css/	Folder	-	-	-
<input type="checkbox"/>	img/	Folder	-	-	-
<input type="checkbox"/>	index.html	html	March 5, 2022, 22:04:44 (UTC+03:00)	6.1 KB	Standard
<input type="checkbox"/>	vendor/	Folder	-	-	-

3. Securing the S3 Bucket via IAM policies

services, features, blogs, docs, and more

[Option+S]

Global

voclabs/user1847320=881d0004-fe84-11ea-9e7c-bfeb68641810 @ 97...

Amazon S3 > firstprojectbucket-977985795044


firstprojectbucket-977985795044 [Info](#)

Publicly accessible

Objects | Properties | **Permissions** | Metrics | Management | Access Points

Permissions overview

Access


 **Public**

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

[Edit](#)

Block all public access

 **Off**

► Individual Block Public Access settings for this bucket

services, features, blogs, docs, and more

[Option+S]

Global

voclabs/user1847320=881d0004-fe84-11ea-9e7c-bfeb68641810 @ 97...

Bucket policy

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](#)

[Edit](#) [Delete](#)

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AddPerm",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::firstprojectbucket-977985795044/*"
    }
  ]
}
```

[Copy](#)

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.

[Edit](#)

4. Setting up the Bucket's configuration to support static website hosting

services, features, blogs, docs, and more [Option+S]

Static website hosting

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

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.

index.html

Static website hosting

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

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://firstprojectbucket-977985795044.s3-website-us-east-2.amazonaws.com>

5. Distributing the website via CloudFront

Services Search for services, features, blogs, docs, and more [Option+S]

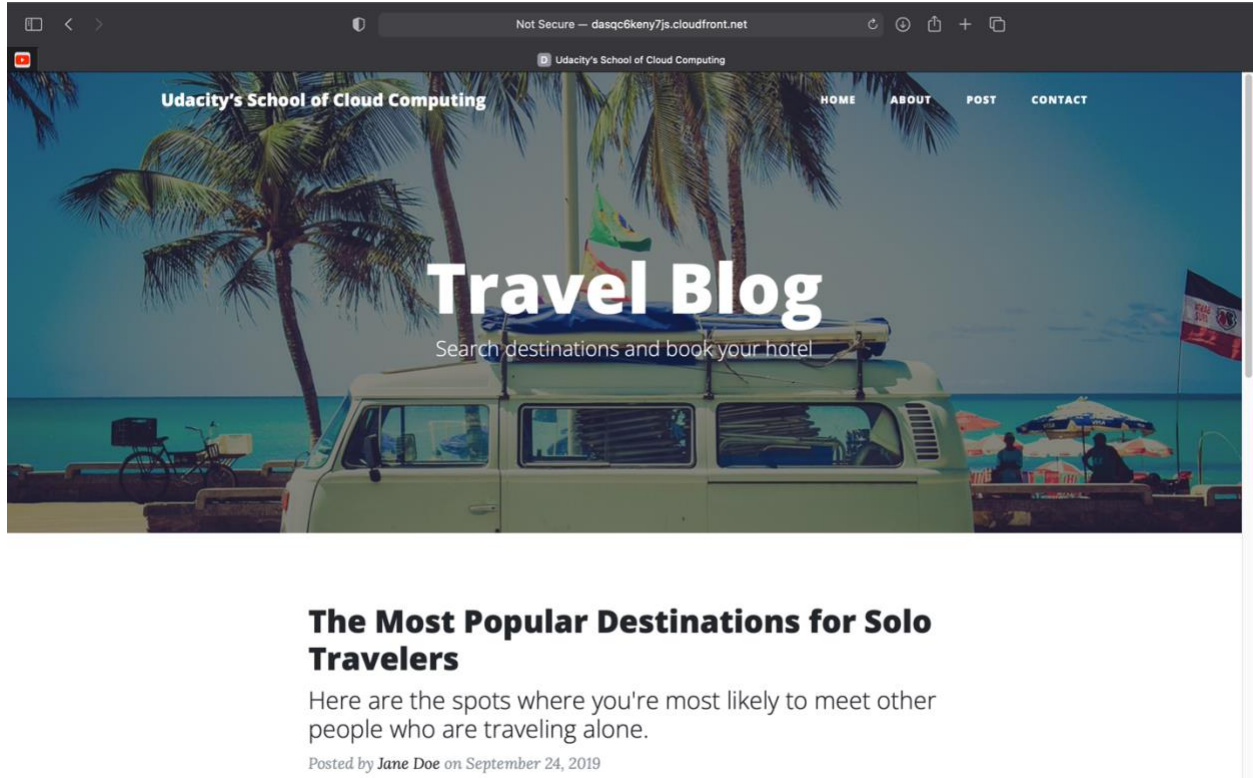
CloudFront > Distributions

Distributions (1) Info

Search all distributions

	ID	Description	Domain name	Alternate domai...	Origins	Status	Last modified
<input type="checkbox"/>	E3VA7PIW8SNCJD	-	dasqc6keny7js.clou...	-	firstprojectbucket-97798!	Enabled	Deploying

6. The website is publicly accessible



Cloud Front URL: dasqc6keny7js.cloudfront.net

Domain: <http://firstprojectbucket-977985795044.s3-website.us-east-2.amazonaws.com>