

Project 1: Deploy Static Website on AWS

In this project, we will hosting static websites that only include HTML, CSS, and JavaScript files that require no server-side processing.

Create bucket S3

Bucket name


udacityprojectstatic

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

Region

EU (Paris) eu-west-3

Bucket settings for Block Public Access

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 this bucket and its 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 this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#) 

☐ **Block *all* public access**

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☐ **Block public access to buckets and objects granted through *new* access control lists (ACLs)**

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**

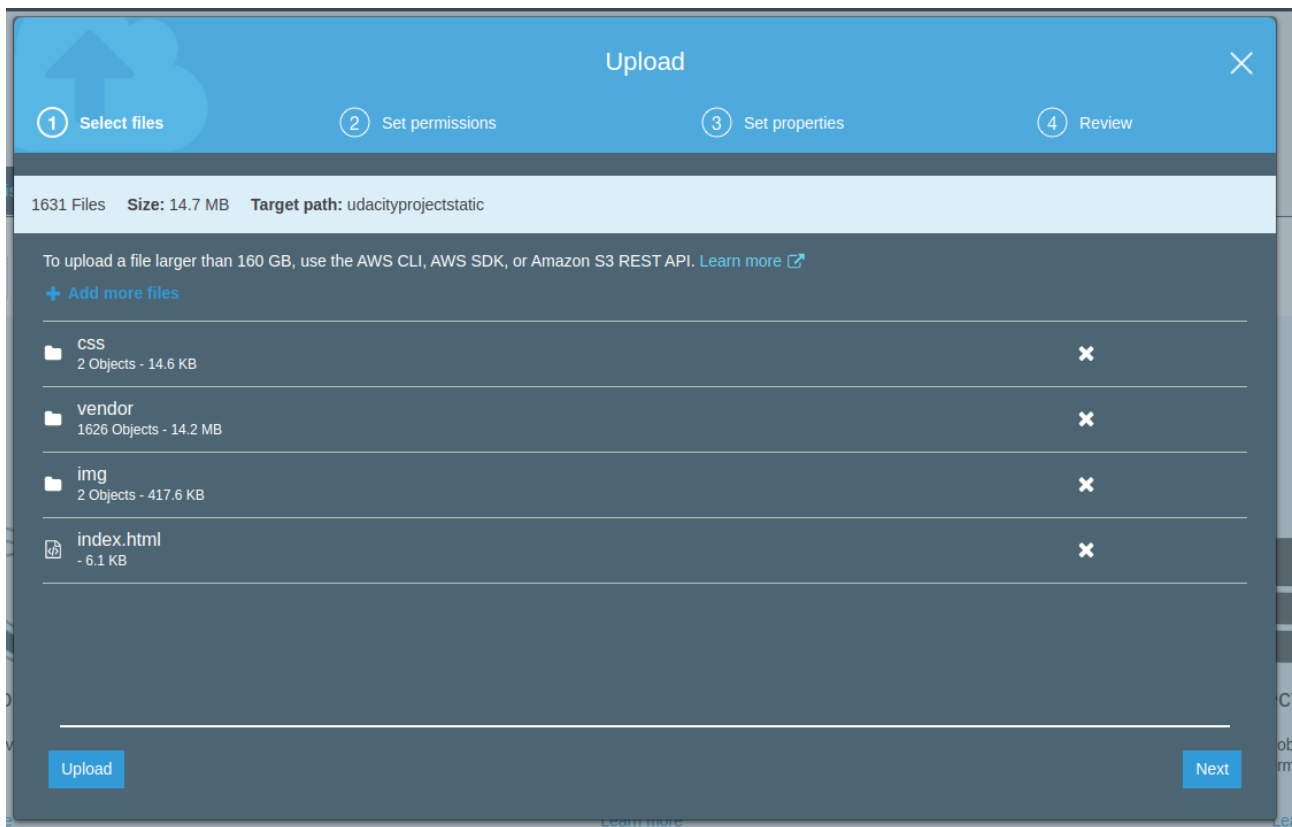
S3 will ignore all ACLs that grant public access to buckets and objects.

☐ **Block public access to buckets and objects granted through *new* public bucket or access point policies**

S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

☐ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**

S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.



Secure Bucket via IAM

Bucket policy editor ARN: arn:aws:s3:::udacityprojectstatic
Type to add a new policy or edit an existing policy in the text area below.

[Delete](#) [Cancel](#) [Save](#)

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Sid": "AddPerm",  
6       "Effect": "Allow",  
7       "Principal": "*",  
8       "Action": [  
9         "s3:GetObject"  
10      ],  
11      "Resource": [  
12        "arn:aws:s3:::udacityprojectstatic/*"  
13      ]  
14    }  
15  ]  
16 }
```

Configure S3 buckets

udacityprojectstatic

Overview
Properties
Permissions
Public
Management
Access points

Versioning

Keep multiple versions of an object in the same bucket.

[Learn more](#)

☐ Disabled

Server access logging

Set up access log records that provide details about access requests.

[Learn more](#)

☐ Disabled

Static website hosting

Endpoint : <http://udacityprojectstatic.s3-website.eu-west-3.amazonaws.com>

☒ Use this bucket to host a website [Learn more](#)

Index document [i](#)

Error document [i](#)

Redirection rules (optional) [i](#)

☐ Redirect requests [i](#) [Learn more](#)

Distribute website via cloudfront

Create Distribution

Origin Settings

Origin Domain Name	<input type="text" value="udacityprojectstatic.s3.amazonaws.com"/>	i						
Origin Path	<input type="text"/>	i						
Origin ID	<input type="text" value="S3-udacityprojectstatic"/>	i						
Restrict Bucket Access	<input type="radio"/> Yes <input checked="" type="radio"/> No	i						
Origin Custom Headers	<table> <thead> <tr> <th>Header Name</th> <th>Value</th> <th>i</th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td>+</td> </tr> </tbody> </table>	Header Name	Value	i	<input type="text"/>	<input type="text"/>	+	
Header Name	Value	i						
<input type="text"/>	<input type="text"/>	+						

Default Cache Behavior Settings

Path Pattern	Default (*)	i
Viewer Protocol Policy	<input checked="" type="radio"/> HTTP and HTTPS <input type="radio"/> Redirect HTTP to HTTPS <input type="radio"/> HTTPS Only	i
Allowed HTTP Methods	<input checked="" type="radio"/> GET, HEAD <input type="radio"/> GET, HEAD, OPTIONS <input type="radio"/> GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE	i
Field-level Encryption Config	<input type="text" value=""/>	i
Cached HTTP Methods	GET, HEAD (Cached by default)	i
Cache Based on Selected Request Headers	<input type="text" value="None (Improves Caching)"/> Learn More	i
Object Caching	<input checked="" type="radio"/> Use Origin Cache Headers <input type="radio"/> Customize	i

Create Distribution

Distribution Settings

Delete

Enable

Disable

Viewing:

Any Delivery Method

Any State

<<

<

Viewing 1 to 1 of 1 Items

>

>>

	Delivery Method	ID	Domain Name	Comment	Origin	CNAMEs	Status	State	Last Modified	
	Web	E352R5M2223OKG	d2k1e3prhmc50.cloudfront.net	-	udacityprojectstatic-	-	In Progress	Enabled	2020-05-22 10:35 UTC+2	

<<

<

Viewing 1 to 1 of 1 Items

>

>>

Access Website in web browser

The image shows the top portion of a website. At the very top, there is a dark gray header. On the left side of this header, the text 'Udacity's School of Cloud Computing' is written in a small, white, sans-serif font. On the right side, there is a navigation bar with four links: 'HOME', 'ABOUT', 'POST', and 'CONTACT', all in white, uppercase, sans-serif font. Below the header, the background is a solid dark gray. In the center of this area, the words 'Travel Blog' are written in a large, bold, white, sans-serif font. Directly beneath this title, the text 'Search destinations and book your hotel' is written in a smaller, white, sans-serif font. The bottom portion of the image shows a white background with the beginning of a blog post. The post title is 'The Most Popular Destinations for Solo Travelers' in a bold, black, sans-serif font. Below the title is a paragraph of text: 'Here are the spots where you're most likely to meet other people who are traveling alone.' At the bottom of the visible text, it says 'Posted by Jane Doe on September 24, 2019' in a smaller, gray, sans-serif font.