

Hubert Wójtowicz – Project 1 – Deploy static website on AWS

21th March 2020

Static page can be access by origin url:

S3 bucket

- <http://udacity-website-hw.s3-website-us-east-1.amazonaws.com/>
- <http://udacity-website-hw.s3.amazonaws.com/index.html>

Cloud Front

- <http://d2sqrqvrxbmu485.cloudfront.net/>
- <https://d2sqrqvrxbmu485.cloudfront.net/>

PROJECT SPECIFICATION	
Deploy Static Website on AWS	
Website Files	
CRITERIA	MEETS SPECIFICATIONS
The student has created a S3 bucket.	The S3 bucket is visible in the AWS Management console.
All website files should be added to the S3 bucket.	The student has submitted a screenshot showing all the website files uploaded to the newly created S3 bucket.
The bucket configuration should be set up to support static website hosting.	The S3 bucket is configured to support static website hosting.
The permission access to the bucket should be configured to allow public access.	The S3 bucket has an IAM bucket policy that makes the bucket contents publicly accessible.
Website Distribution	
CRITERIA	MEETS SPECIFICATIONS
The website should be distributed via Cloudfront.	CloudFront has been configured to retrieve and distribute website files.
Web Browser Access	
CRITERIA	MEETS SPECIFICATIONS
is the website publicly accessible	The website should be accessible to anyone on the internet via a web browser. The student should have provided the CloudFront endpoint URL for the website.

Create S3 Bucket

The screenshot shows the AWS S3 console interface. On the left, there's a sidebar with 'Amazon S3' selected. The main area displays 'Buckets (2)' with a search bar and a table of buckets. The bucket 'udacity-website-hw' is highlighted with a yellow circle.

Name	Region	Access	Bucket created
cf-templates-18b226ns4we5-eu-central-1	EU (Frankfurt) eu-central-1	Objects can be public	2019-12-01T19:37:09.000Z
udacity-website-hw	US East (N. Virginia) us-east-1	Public	2020-03-21T14:03:31.000Z

Upload static files to bucket

The screenshot shows the AWS S3 console interface for the 'udacity-website-hw' bucket. The 'Overview' tab is selected, showing a list of files. The files are: 'css', 'img', 'vendor', and 'index.html'. The 'index.html' file is highlighted.

Name	Last modified	Size	Storage class
css	--	--	--
img	--	--	--
vendor	--	--	--
index.html	Mar 21, 2020 3:08:51 PM GMT+0100	6.1 KB	Standard

Secure Bucket via IAM

The screenshot shows the AWS S3 console interface for the 'udacity-website-hw' bucket. The 'Bucket Policy' tab is selected, showing the 'Bucket policy editor'. The editor contains a JSON policy that grants 's3:GetObject' permission to the principal 'arn:aws:iam::111111111111:user:root'.

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "AddPerm",
6       "Effect": "Allow",
7       "Principal": "arn:aws:iam::111111111111:user:root",
8       "Action": "s3:GetObject",
9       "Resource": "arn:aws:s3:::udacity-website-hw/*"
10    }
11  ]
12 }
```

aws Services Resource Groups

Amazon S3 > udacity-website-hw

udacity-website-hw

Overview Properties Permissions Management Access points

Block public access Access Control List Bucket Policy CORS configuration

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](#)

Block all public access
Off

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

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

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

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

Edit

Configure S3 Bucket

aws Services Resource Groups

Amazon S3 > udacity-website-hw

udacity-website-hw

Overview Properties Permissions 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://udacity-website-hw.s3-website-us-east-1.amazonaws.com>

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

Index document

index.html

Error document

index.html

Redirection rules (optional)

☐ Redirect requests [Learn more](#)

☐ Disable website hosting

☒ Bucket hosting

Cancel Save

Object-level logging

Record object-level API activity using the CloudTrail data events feature (additional cost).

[Learn more](#)

Disabled

Distribute Website via CloudFront

aws Services Resource Groups

CloudFront

Enable new real-time metrics for better visibility of your traffic. [Learn more](#)

CloudFront Distributions

Create Distribution Distribution Settings Delete Enable Disable

Viewing Any Delivery Method Any State

Delivery Method	ID	Domain Name	Comment	Origin	CNAMEs	Status	State	Last Modified
Web	E8BUEY70R39KZ	d2qgrqnxmu485.cloudfront.net	-	udacity-website-hw.s3.amazonaws.com	-	Deployed	Enabled	2020-03-21 19:21 U

« Viewing 1 to 1 of 1 items »

CloudFront

Distributions > E3BUEV70RIS6KZ

General | **Origins and Origin Groups** | Behaviors | Error Pages | Restrictions | Invalidations | Tags

Origins

Create Origin Edit Delete

	Origin Domain Name and Path	Origin ID	Origin Type	Origin Access Identity	Origin Protocol Policy	HTTPS Port	HTTP Port	Origin Response Timeout	Origin Keep-alive Timeout
	udacity-website-hw.s3.amazonaws.com	S3-udacity-website-hw	S3 Origin	-	-	-	-	-	-