

# Practice 7

## Cloudfront and S3

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### Procedure

We click on Start Lab in order to do so, and we also want to open the AWS Management Console tab (even though we are not really using it in this learner lab) so we can take our required screenshots. An AWS CLI shell will open after some time.

### S3

Click on create bucket, upload the 2048 folder with modified index.html so it displays the over 50MB image. I used bigshot.png in this case, which is a large Pluto image from NASA website.

Name	Type	Last modified	Size	Storage class
ignore	gitignore	November 23, 2022, 18:32:01 (UTC+01:00)	11.0 B	Standard
jhinctr	jhinctr	November 23, 2022, 18:32:01 (UTC+01:00)	355.0 B	Standard
bighit.png	png	November 23, 2022, 18:32:01 (UTC+01:00)	67.5 MB	Standard
CONTRIBUTING.md	md	November 23, 2022, 18:32:01 (UTC+01:00)	1.9 kB	Standard
Dockerfile	-	November 23, 2022, 18:32:01 (UTC+01:00)	58.0 B	Standard
favicon.ico	ico	November 23, 2022, 18:32:01 (UTC+01:00)	4.2 kB	Standard
index.html	html	November 23, 2022, 18:32:01 (UTC+01:00)	3.9 kB	Standard
jv/	Folder	-	-	-
LICENSE.txt	txt	November 23, 2022, 18:32:01 (UTC+01:00)	1.1 kB	Standard
meta/	Folder	-	-	-
Rakefile	-	November 23, 2022, 18:32:01 (UTC+01:00)	300.0 B	Standard
README.md	md	November 23, 2022, 18:32:01 (UTC+01:00)	2.2 kB	Standard
style/	Folder	-	-	-

Check that the website loads and while we are at it, check how long it takes to load the image

Without the image:

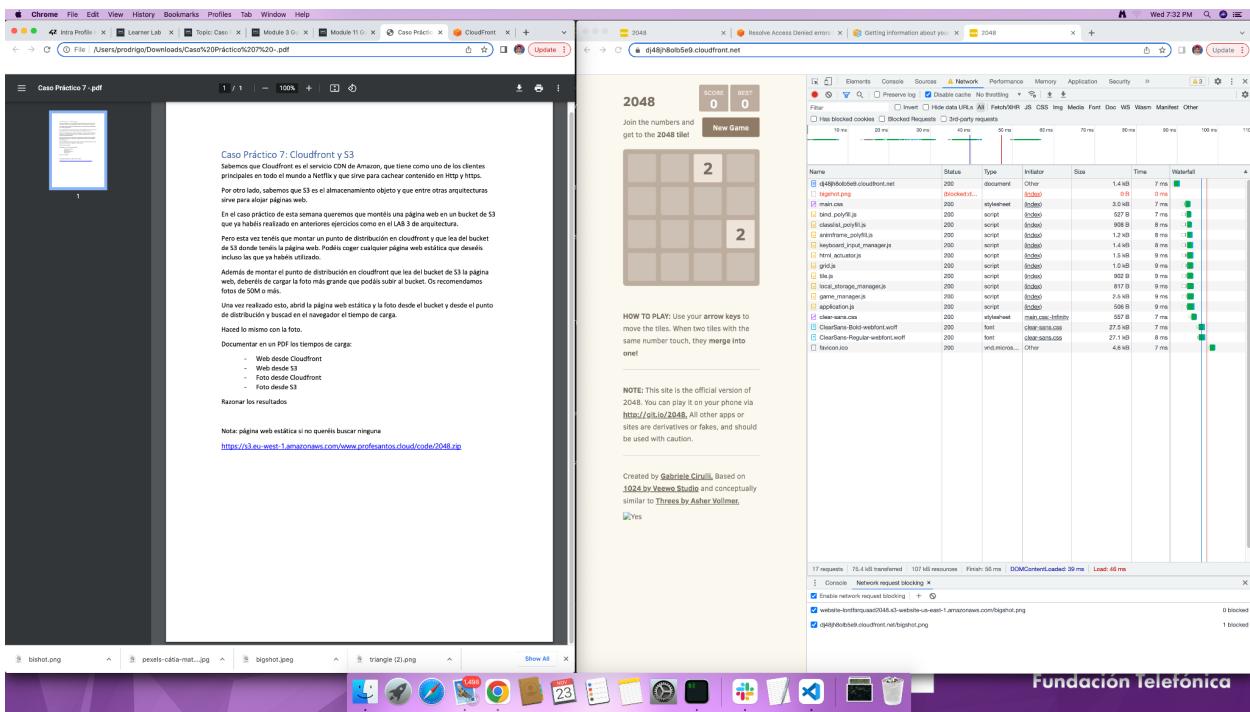
Create distribution with default settings pointing to our bucket, as we aren't told to modify anything, indicating index.html as root object (otherwise we are E 403).

The screenshot shows two browser windows side-by-side. The left window is the AWS Academy Learner Lab, showing a 'Learner Lab' environment with various AWS services like Lambda, S3, and CloudFront. The right window is the AWS CloudFront 'Create distribution' interface, where a new distribution is being configured with an origin domain of 'website-lordfarquad2048.s3.us-east-1.amazonaws.com'. Both windows are running on a Mac OS X desktop with a purple Fundación Telefónica dock at the bottom.

Access the website through Cloudfront and check loading times. With the image:

This screenshot shows the AWS S3 console for the 'website-lordfarquad2048' bucket. It includes sections for 'Permissions overview' (allowing public access) and 'Bucket policy' (a JSON policy allowing access to objects from other accounts). To the right, a screenshot of a browser's developer tools Network tab shows network requests for a file named 'index.html'. The requests show a total of 17 requests, 70.9 MB transferred, and a load time of 1.65 seconds. A warning message in the developer tools console indicates that the key 'target-densityDPI' is truncated or unsupported.

Without the image:



As you can see, times with cloudfront are greatly reduced (as we were hosting the S3 bucket in US).

Whenever we have finished, press End Lab to end the laboratory.