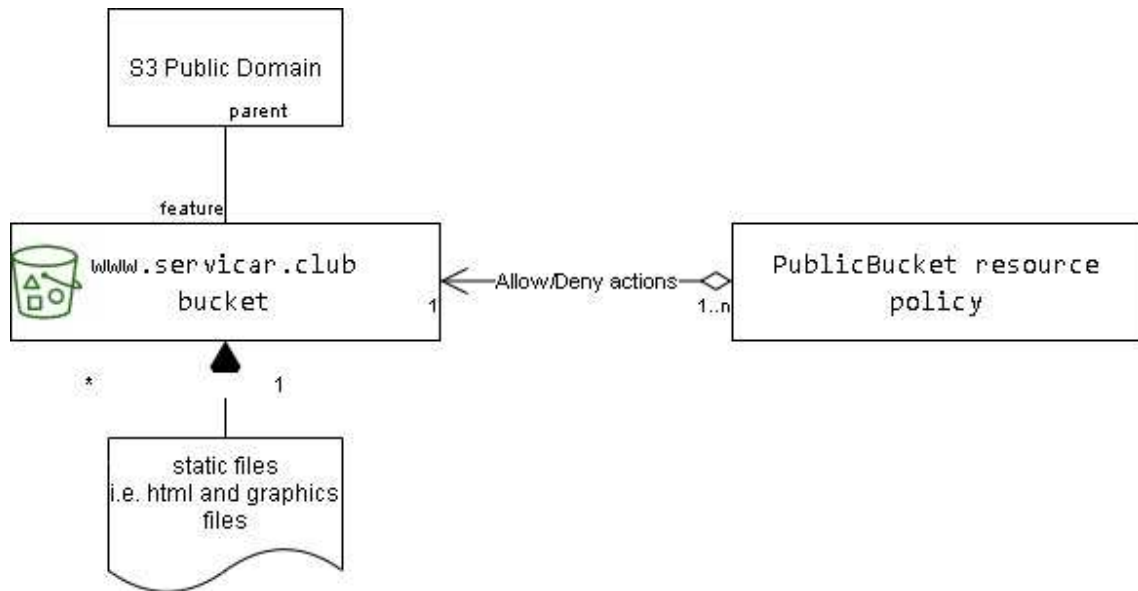


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Purpose

General Idea of this lab is to have a control of information of your S3 bucket. The first lab shows Web Hosting feature of S3 and involve resource-based policy.



Lab 3A: Static Web Hosting using S3.

Prerequisites

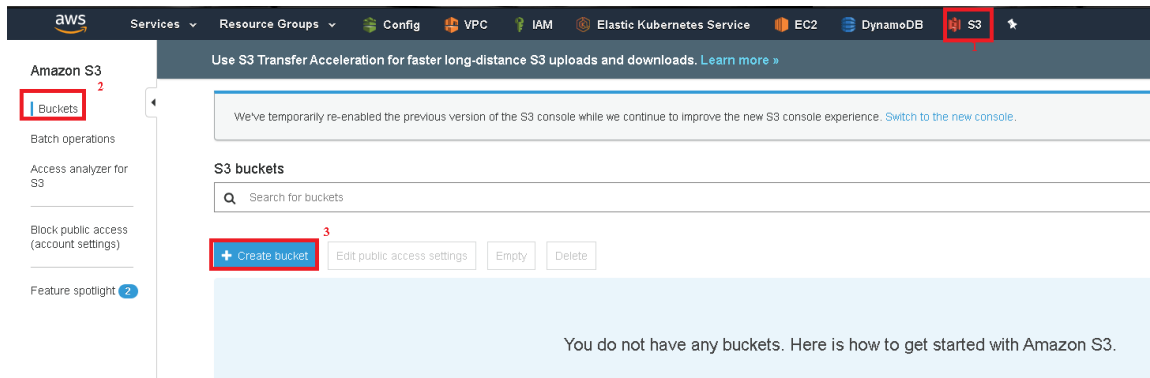
Labs1c1 have to be done and the context for Administrative user have to activated on Command Line Session.

Lab 3A: Static web hosting

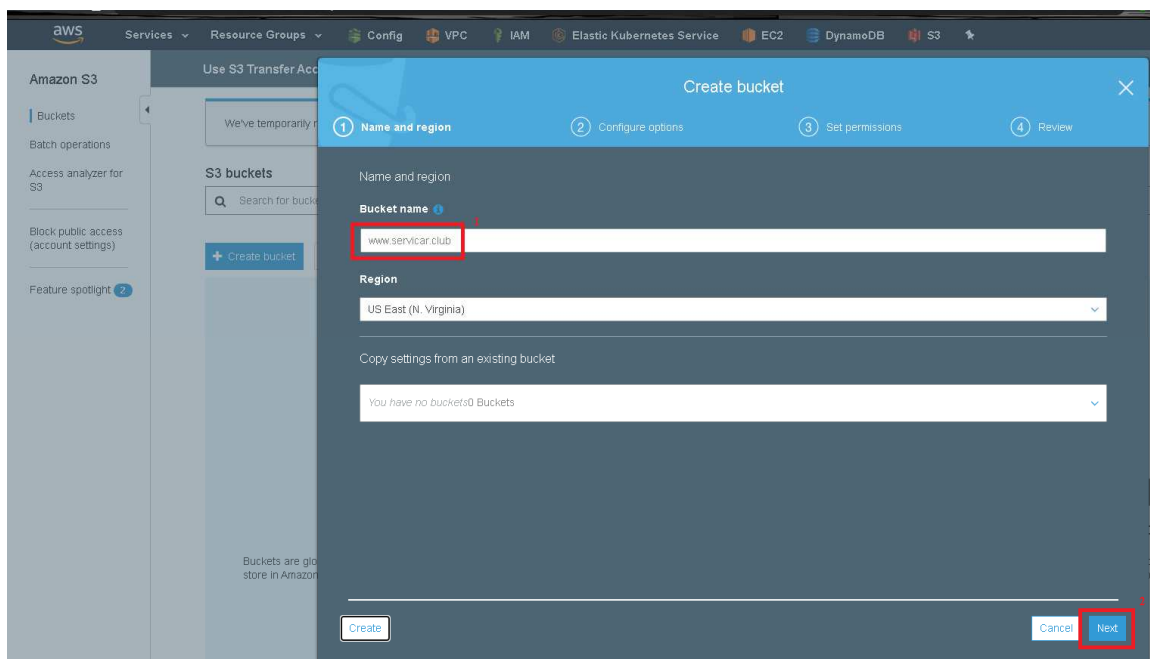
Lab 3A using Web Management Console

Create the bucket and apply public default policies

Create the bucket on S3



Allow default values



Create bucket

1 Name and region 2 **Configure options** 3 Set permissions 4 Review

Properties

Versioning
☐ Keep all versions of an object in the same bucket. [Learn more](#)

Server access logging
☐ Log requests for access to your bucket. [Learn more](#)

Tags
 You can use tags to track project costs. [Learn more](#)

Key Value
 + Add another

Object-level logging
☐ Record object-level API activity using AWS CloudTrail for an additional cost. See [CloudTrail pricing](#) or [learn more](#)

Default encryption
☐ Automatically encrypt objects when they are stored in S3. [Learn more](#)

► Advanced settings

Management

Previous **Next**

Assign public access to the bucket and acknowledge the risks.

Create bucket

1 Name and region 2 Configure options 3 **Set permissions** 4 Review

Disabling Block all public access may result in this bucket and the objects within becoming public
 AWS recommends that you block all public access to your bucket, unless public access is required for specific and verified use cases such as static website hosting. [Learn more](#)

☒ I acknowledge that the current settings may result in this bucket and the objects within becoming public

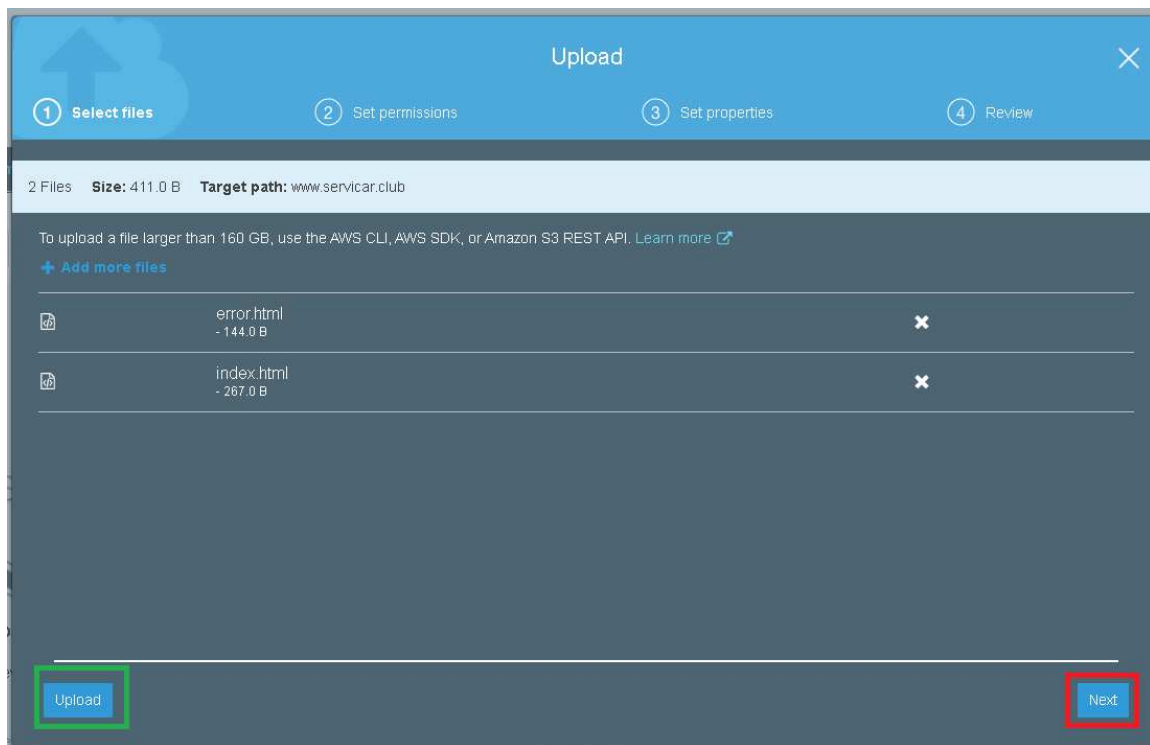
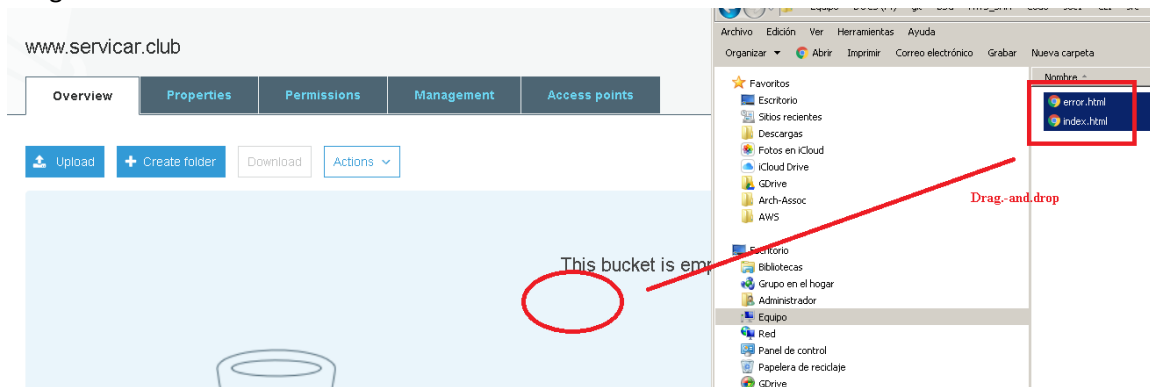
☐ **Block all public access**
 Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- ☐ **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.

Uncheck

Previous **Next**

Drag the files to the bucket.



Allow the public access permissions to the files.

Upload

1 Select files 2 **Set permissions** 3 Set properties 4 Review

2 Files Size: 411.0 B Target path: www.servicar.club

Manage users

User ID	Objects	Object permissions
f-moreno(Owner)	<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write

Access for other AWS account + Add account

Account	Objects	Object permissions
---------	---------	--------------------

Manage public permissions

Do not grant public read access to this object(s) (Recommended)

Do not grant public read access to this object(s) (Recommended)

Grant public read access to this object(s)

Upload Previous **Next**

Upload

1 Select files 2 **Set permissions** 3 Set properties 4 Review

2 Files Size: 411.0 B Target path: www.servicar.club

Manage users

User ID	Objects	Object permissions
f-moreno(Owner)	<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write

Access for other AWS account + Add account

Account	Objects	Object permissions
---------	---------	--------------------

Manage public permissions

Grant public read access to this object(s)

⚠ This object(s) has public read access.
Everyone in the world will have read access to this object(s).

Upload Previous **Next**

Select S3 Standard storage.

Upload

×

✓ Select files

✓ Set permissions

3 Set properties

4 Review

2 Files Size: 411.0 B Target path: www.servicar.club

Storage class

Choose a storage class based on your use case and access requirements. [Learn more](#) or see [Amazon S3 pricing](#)

Storage class	Designed for	Availability Zones	Min storage duration	Min billable object size	Monitoring and automation fees	Retrieval fees
<input type="radio"/> Standard	Frequently accessed data	≥ 3	-	-	-	-
<input type="radio"/> Intelligent-Tiering	Long-lived data with changing or unknown access patterns	≥ 3	30 days	-	Per-object fees apply	-
<input type="radio"/> Standard-IA	Long-lived, infrequently accessed data	≥ 3	30 days	128kB	-	Per-GB fees apply
<input type="radio"/> One Zone-IA	Long-lived, infrequently accessed, non-critical data	≥ 1	30 days	128kB	-	Per-GB fees apply
<input type="radio"/> Glacier	Archive data with retrieval times ranging from minutes to hours	≥ 3	90 days	40kB	-	Per-GB fees apply
<input type="radio"/> Glacier Deep Archive	Archive data that rarely, if ever,	≥ 3	180 days	40kB	-	Per-GB fees

Upload

Previous

Next

Upload

×

✓ Select files

✓ Set permissions

✓ Set properties

4 Review

Files

Edit

2 Files Size: 411.0 B

Permissions

Edit

2 grantees

Properties

Edit

Encryption

No

Storage class

Standard

Metadata

Tag

Previous

Upload

Apply web hosting feature

When you files are on the bucket, you have to able the web hosting feature.

www.servicar.club

Overview

Properties

Permissions

Management

Access points




 Type a prefix and press Enter to search. Press ESC to clear.

 Upload

 Create folder

Download

Actions 

<input type="checkbox"/>	Name 	Last modified
<input type="checkbox"/>	 error.html	Jun 12, 2020
<input type="checkbox"/>	 index.html	Jun 12, 2020

Amazon S3 > www.servicar.club

www.servicar.club

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

Host a static website, which does not require server-side technologies.

[Learn more](#)

☐ Disabled

www.servicar.club

1

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

Host a static website, which does not require server-side technologies.

[Learn more](#)

2

☐ Disabled

Static website hosting

×

Endpoint : <http://www.servicar.club.s3-website-us-east-1.amazonaws.com>

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

Index document ⓘ

1

Error document ⓘ

2

Redirection rules (optional) ⓘ

☐ Redirect requests ⓘ [Learn more](#)

☐ Disable website hosting

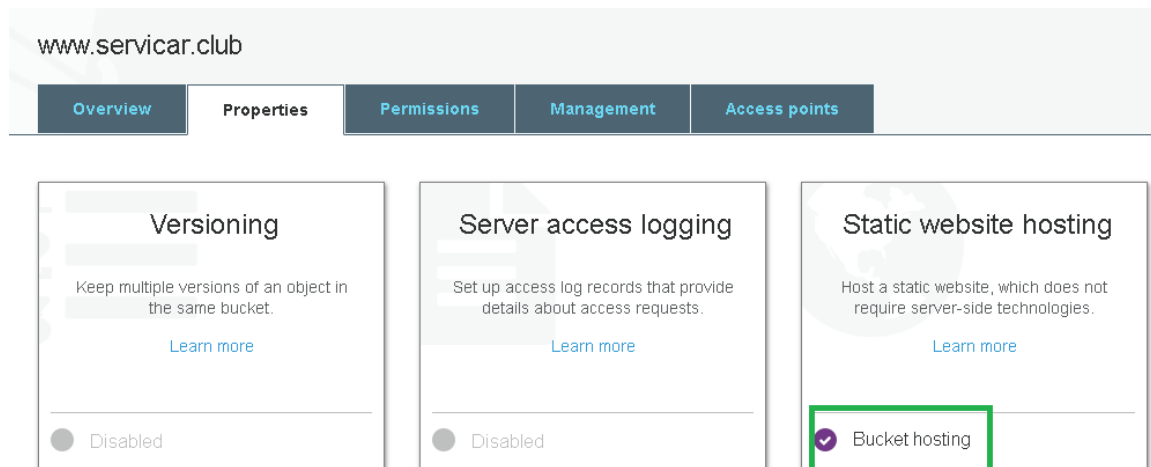
3

☒ Disabled

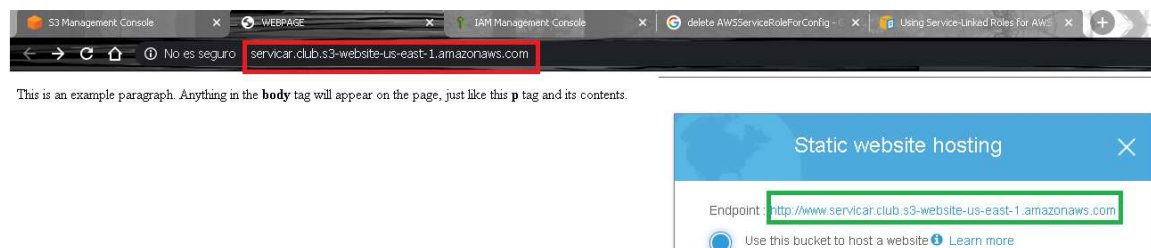
Cancel

Save

Then, you can go to the feature again to recover the endpoint (URL) of the website.



To see the URL of provided on the web hosting.



Write a non-existent file on the URL, and see the error.html file.



ERROR 404 or whatever it looks!

Lab 3A using Command Line (Windows)

Create Bucket, apply resource-based policies, sync files and enable web hosting feature

rem Se realiza la creacion del bucket. Revisar cuando tienen location diferente a us-east-1 <https://github.com/aws/aws-cli/issues/2603>

set BucketName=www.servicar.club

aws s3api create-bucket --bucket %BucketName% --region us-east-1

aws s3api put-bucket-policy --bucket %BucketName% --policy file://bucket_policy.json

aws s3 sync ./src s3://%BucketName%/

aws s3 website s3://%BucketName%/ --index-document index.html --error-document error.html

rem Ir a www.servicar.club.s3-website.us-east-1.amazonaws.com

```
F:\git\BSG\AWS_SAA\Code\s3c1\CLI>set BucketName=www.servicar.club
F:\git\BSG\AWS_SAA\Code\s3c1\CLI>aws s3api create-bucket --bucket %BucketName% --region us-east-1
{
  "Location": "/www.servicar.club"
}

F:\git\BSG\AWS_SAA\Code\s3c1\CLI>aws s3api put-bucket-policy --bucket %BucketName% --policy file://bucket_policy.json

F:\git\BSG\AWS_SAA\Code\s3c1\CLI>aws s3 sync ./src s3://%BucketName%/
upload: src\index.html to s3://www.servicar.club/index.html
upload: src\error.html to s3://www.servicar.club/error.html

F:\git\BSG\AWS_SAA\Code\s3c1\CLI>aws s3 website s3://%BucketName%/ --index-document index.html --error-document error.html
```

Come to see the 2 screenshots of [Apply web hosting feature](#).

Evidences to send

To have a review, the student has to send some screenshots to instructor email:

1. Screenshots from Static Web Page (URL) using any browser, with right index or error.
Those static webpages can have your name or any contact detail to differentiate. Those 2 screenshots are the last images of [Apply web hosting feature](#).