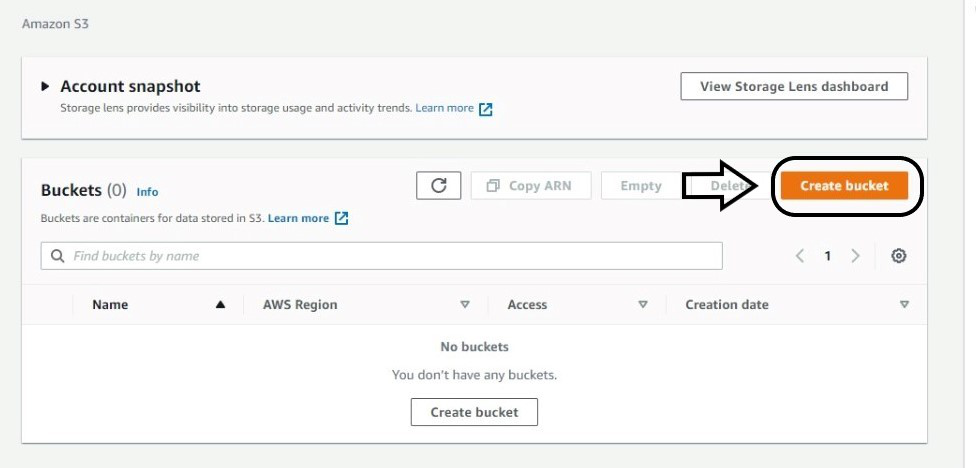
Assignment 2:

Implement versioning in S3 bucket and attach bucket policies, ACL on objects of bucket to implement user access permissions.

**Step 1**: Log in to your Amazon Web Services Account 🡪 In your console search bar, search S3 🡪 then select the S3.

**Step 2**: On the Amazon S3 page click on create a bucket.



**Step 3:** In create bucket page, Give the bucket a Name

Graphical user interface, text, application, email

Description automatically generated



NOTE:

1. **Name must be unique and should not contain any space or uppercase letter**
2. Select any region
3. Enable ACL (Access Control List basically helps to manage access to created buckets and it’s a different version of object)
4. Un-tick Block all public access option (If you want to give it public access)
5. Click on “I acknowledge”
6. Keep default encryption disabled
7. Click on Create Bucket

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**To enable versioning, we will follow below mentioned steps.**

1. In the Buckets list, choose the **name of the bucket** that you want to enable versioning for.
2. Choose Properties.
3. Under Bucket Versioning, choose Edit.
4. Choose **Enable**, and then choose Save changes.

Graphical user interface, text, application, email

Description automatically generated



Note: While creating bucket, select encryption enable/disable based on the requirement.

**Step 4**: Click on your created bucket 🡪 Click on upload 🡪Upload any file

Graphical user interface, text, application, email

Description automatically generated



Graphical user interface, text, application

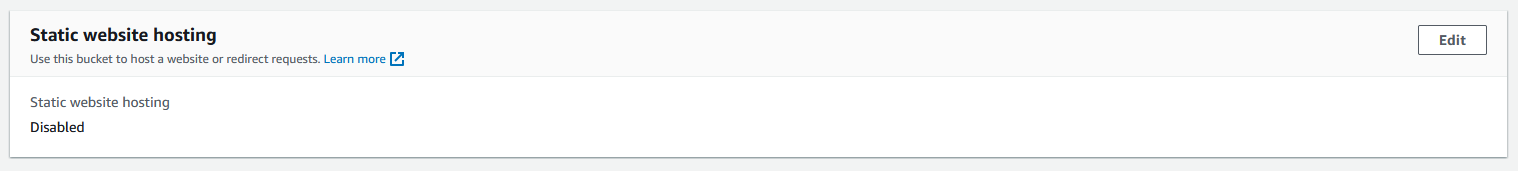
Description automatically generated

Select objects uploaded and go to object action 🡪 Click on the public using ACL.

Graphical user interface, text, application, chat or text message

Description automatically generated

By default, the static website hosting will be **disabled**. To get S3 object as website, **enable** the static website hosting.



Graphical user interface, text, application, email

Description automatically generated



Text

Description automatically generated with low confidence



Using the website endpoint, we will access the web hosted S3.

Graphical user interface

Description automatically generated with medium confidence

**Below is the output of the website.**

For this output I have added .CSS and image file. Which not available in the screenshot.

A group of people posing for a photo

Description automatically generated

Finally, we can see the **number of versions** for the file **index.html**. We have uploaded the file multiple times and its available with version ID’s. So that we can restore if it is required for later use or if we want to revert the content.

Graphical user interface, application

Description automatically generated

