**Project:**

**Create and configure an S3 bucket: Create a new Amazon Simple Storage Service (S3) bucket and configure it for static website hosting. Then, upload a sample HTML file and ensure that it can be accessed through a web browser.**

**Step 1: Create an S3 Bucket**

1. In the search bar, type "S3" and select **S3** from the services list.
2. Click **Create bucket**.
3. **Bucket settings**:
   * Enter a unique bucket name (e.g., my-static-website).
   * Choose the AWS Region closest to you.
4. Under **Object Ownership**, select **ACLs enabled** and ensure you allow public access to your objects.
5. Disable **Block all public access**:
   * Uncheck the "Block all public access" box.
   * Confirm your changes by ticking the acknowledgment box.
6. Click **Create bucket**.

**Step 3: Enable Static Website Hosting**

1. Go to the newly created bucket and click its name to open the bucket details.
2. Navigate to the **Properties** tab.
3. Scroll down to **Static website hosting**.
4. Click **Edit**, then:
   * Select **Enable**.
   * Enter the name of your HTML file (e.g., index.html) as the **index document**.
   * If you have an error page (optional), enter its name (e.g., error.html).
5. Save changes.

**Step 4: Upload a Sample HTML File**

1. Prepare a simple HTML file (e.g., index.html) on your local system. Example content:

html

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<!DOCTYPE html>

<html>

<head>

<title>My Static Website</title>

</head>

<body>

<h1>Welcome to My Static Website!</h1>

<p>This is hosted on AWS S3.</p>

</body>

</html>

1. Go back to the bucket and click the **Objects** tab.
2. Click **Upload** and then **Add files**.
3. Select your index.html file and click **Upload**.

**Step 5: Make the File Public**

1. After uploading, select the index.html file in the bucket.
2. Click the **Actions** dropdown and choose **Make public using ACL**.
3. Confirm the changes.

**Step 6: Test the Static Website**

1. Go back to the **Properties** tab of your bucket.
2. Under **Static website hosting**, copy the **Bucket website endpoint** URL (e.g., http://my-static-website.s3-website-us-east-1.amazonaws.com).
3. Paste the URL into your web browser. You should see your HTML file displayed.