**Link to the AWS Homepage-** <http://eg.com.s3-website.us-east-2.amazonaws.com>

**Link to the Survey Page-** <http://3.131.142.88/>

**Steps to Set Up an S3 Static Website on AWS**

1. **Sign in to AWS**:
   * Log in to the AWS Management Console and navigate to the Amazon S3 service.
2. **Create a New S3 Bucket**:
   * Click on "Create Bucket" and provide a unique bucket name.
   * Select the desired AWS Region where you want to create the bucket, then click **Create**.
3. **Enable Static Website Hosting**:
   * In the bucket's properties, under **Static website hosting**, click **Edit**.
   * Enable static website hosting by choosing **Enable**.
   * Enter index.html as the Index document and error.html as the Error document. Save the changes.
4. **Set Bucket Permissions for Public Access**:
   * Go to **Permissions**, and under **Block public access (bucket settings)**, click **Edit**.
   * Uncheck the option **Block all public access** and save the changes.
   * Next, go to **Bucket Policy** and choose **Edit**.
   * To allow public read access, copy the following policy into the Bucket Policy editor and replace "Bucket-Name" with your bucket's name:

{

"Version": "2012-10-17",

"Statement": [

{

"Sid": "PublicReadGetObject",

"Effect": "Allow",

"Principal": "\*",

"Action": [

"s3:GetObject"

],

"Resource": [

"arn:aws:s3:::Bucket-Name/\*"

]

}

]

}

1. **Enable Bucket Versioning**:

* In the **Properties** tab, enable Bucket Versioning for your S3 bucket.

1. **Upload Website Files**:

Go to **Objects** and upload index.html, error.html, and any other assets like images to the bucket.

1. **Access Your Website**:

After the files are uploaded, go to **Properties,** and under **Static website hosting**, click on the provided link to view your homepage.

**Steps to Create and Configure an EC2 Instance for Hosting a Web Page**

1. **Launch a New EC2 Instance**:
   * In the AWS Management Console, go to the **EC2** service and click **Launch Instance**.
   * Enter a name for your instance, select an operating system, and choose an Amazon Machine Image (AMI) and instance type.
   * Create a new key pair (or select an existing one), configure the necessary security groups, and click **Launch Instance**.
2. **Start and Connect to the EC2 Instance**:
   * After launching, select your instance from the EC2 dashboard.
   * Start the instance, then connect to it using the EC2 console.
3. **Install Apache Web Server**:
   * Once connected to the instance, run the following commands to install and configure Apache:

sudo apt update

sudo apt install apache2 -y

sudo ufw status

sudo systemctl status apache2

sudo systemctl start apache2

sudo systemctl enable apache2

1. **Create and Edit the index.html File**:
   * Navigate to the web server's root directory and remove the existing index.html file:

cd /var/www/html

sudo rm index.html

sudo nano index.html

* + Using the nano text editor, enter the desired HTML code into the index.html file. After saving the changes, exit the editor.

1. **Access the Survey Page**:

Once the file is saved, go back to the EC2 console and click on the **Public IPv4 address** of your instance. This will open the survey page you just created.