

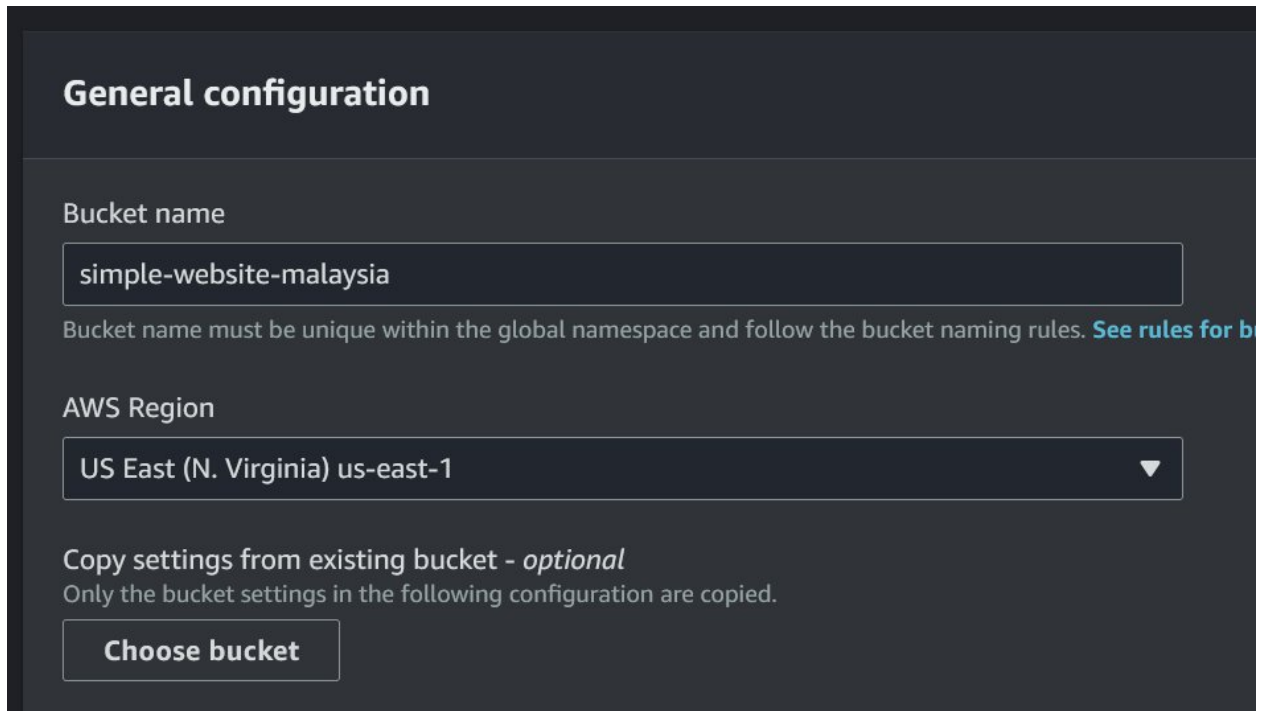
Objective

Create a static website hosted on Amazon S3.

Steps

1. Creation of a S3 Bucket

First of all, we will create an s3 bucket on the aws management console.



The screenshot shows the 'General configuration' section of the AWS S3 bucket creation wizard. It includes a text input for the bucket name, a dropdown for the AWS region, and an optional checkbox for copying settings from an existing bucket.

General configuration

Bucket name

simple-website-malaysia

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

AWS Region

US East (N. Virginia) us-east-1 ▼

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

Choose bucket

We ensure to activate public access to the bucket by unchecking this option:

☐ **Block *all* public access**

Turning this setting on is the same as turning on all four settings below. Each of

☐ **Block public access to buckets and objects granted through new public access**

S3 will block public access permissions applied to newly added buckets or objects. This setting doesn't change any existing permissions or ACLs for existing buckets and objects. This setting doesn't change any existing permissions or ACLs for existing buckets and objects.

☐ **Block public access to buckets and objects granted through all public access**

S3 will ignore all ACLs that grant public access to buckets and objects.

☐ **Block public access to buckets and objects granted through new public access**

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 policies**

S3 will ignore public and cross-account access for buckets or access points to buckets and objects.

2. Enable Static Website Hosting

We will enable it by going in 'Static Website Hosting' section:

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

Disabled

After enable the static website hosting, we will define the index document as 'index.html':

Index document

Specify the home or default page of the website.

index.html

3. Create and upload file

Now, we will create an html file 'index.html' and upload it to the bucket we created.

4. Set Bucket Policy

We modify the policy of the bucket by going in 'Permissions' tab of the bucket in order to allow public read access to the bucket's objects. You will find below the policy i applied for my bucket:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "PublicRead",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::simple-website-malaysia/*"
    }
  ]
}
```

5. Access the website

The configuration is now finished! We can now access publicly to our website hosted on an S3 Bucket using the endpoint URL available in the 'Static Website Hosting' section in the bucket properties.

Conclusion

This pretty simple hands-on project permits us to understand how to host static websites on AWS!