

Documentation for Launch Static Website by Using AWS S3 Bucket

Step1: Sign In

Sign-in to the **AWS Management Console** and open the **S3**.

Step2: Create S3 Bucket

Choose **Create bucket** and Enter the **Bucket name** (for example, anuj-static-website), accept the default settings and create the bucket, choose **Create**.

Step3: Enable Static Website Hosting

- a. In the **Buckets** list, choose the name of the bucket that you want to enable static website hosting for.
- b. Choose **Properties**.
- c. Under **Static website hosting**, choose **Edit**.
- d. Choose **Use this bucket to host a website**.
- e. Under **Static website hosting**, choose **Enable**.
- f. In **Index document**, enter the file name of the index document, typically index.html.
- g. To provide your own custom error document for 4XX class errors, in **Error document**, enter the custom error document file name.
- h. Choose **Save changes**.
- i. Under **Static website hosting**, note the **Endpoint**.

Step4: Edit Block Public Access Settings

- a. Choose the name of the bucket that you have configured as a static website.
- b. Choose **Permissions**.
- c. Under **Block public access (bucket settings)**, choose **Edit**.
- d. Clear **Block all public access**, and choose **Save changes**.

Step5: Add Bucket Policy

- a. Under **Buckets**, choose the name of your bucket.
- b. Choose **Permissions**.
- c. Under **Bucket Policy**, choose **Edit**.
- d. To grant public read access for your website, copy the following bucket policy, and paste it in the **Bucket policy editor**.

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

```

"Statement": [

  {

    "Sid": "PublicReadGetObject",

    "Effect": "Allow",

    "Principal": "*",

    "Action": [

      "s3:GetObject"

    ],

    "Resource": [

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

    ]

  }

]

}

```

Step6: Configure Index Document and Error Document

- a. In the **Buckets** list, choose the name of the bucket that you want to upload your folders or files to.
- b. Choose **Upload**.
- c. In the **Upload** window, do one of the following:
 - Drag and drop files and folders to the **Upload** window.
 - Choose **Add file** or **Add folder**, choose files or folders to upload, and choose **Open**.
- d. To enable versioning, under **Destination**, choose **Enable Bucket Versioning**.
- e. To upload the listed files and folders without configuring additional upload options, at the bottom of the page, choose **Upload**. Amazon S3 uploads your objects and folders. When the upload completes, you can see a success message on the **Upload: status** page.
- f. To change access control list permissions, choose **Permissions**.
- g. Under **Access control list (ACL)**, edit the permissions.
- h. To upload your objects, choose **Upload**. Amazon S3 uploads your object. When the upload completes, you can see a success message on the **Upload: status** page.
- i. Choose **Exit**.

Stape7: Test Your Website Endpoint (URL)

- a. Under **Buckets**, choose the name of your bucket.
- b. Choose **Properties**.

- c. At the bottom of the page, under **Static website hosting**, choose your **Bucket website endpoint**. Your index document opens in a separate browser window.

Step8: Delete Resource if have no Use.

If you created your static website only as a learning exercise, delete the AWS resources that you allocated so that you no longer accrue charges. After you delete your AWS resources, your website is no longer available.