Static Website Hosting using Amazon S3 - Process Document

Step-by-Step Process to Host a Static Website on Amazon S3:

1. Create an S3 Bucket:

   - Go to the S3 console in AWS.

   - Click 'Create bucket'.

   - Give your bucket a globally unique name (e.g., tejaswini-portfolio).

   - Uncheck 'Block all public access' under permissions.

   - Leave other settings default and click 'Create bucket'.

2. Upload Website Files:

   - Go into the created bucket.

   - Click 'Upload' and add files and folders (e.g., index.html, assets/).

   - After upload, ensure index.html is there.

3. Make Files Public:

   - Go to 'Permissions' tab and then 'Bucket policy'.

   - Paste the below JSON and replace your-bucket-name:

```
  {
    "Version": "2012-10-17",
    "Statement": [
     {
       "Sid": "PublicReadGetObject",
       "Effect": "Allow",
```

```
      "Principal": "*",

      "Action": "s3:GetObject",

      "Resource": "arn:aws:s3:::your-bucket-name/*"

    }

  ]

}
```

4. Enable Static Website Hosting:

   - Go to 'Properties' tab in your bucket.

   - Scroll to 'Static website hosting' and click 'Edit'.

   - Enable and specify 'index.html' as the index document.

   - Save changes.

5. Access Website:

   - Copy the 'Bucket website endpoint' URL.

   - Paste in browser and your site should open.

Optional:

- Monitor usage under AWS Billing Dashboard.

- Use Route 53 for custom domain.

- CloudFront for HTTPS and caching.

Free Tier Note:

- 5 GB storage, 20,000 GET requests/month, 1 GB outbound traffic.