

Exercise 2: S3 Static Website Hosting

Time: 20 minutes

Objective

Host a static website using an S3 bucket.

Instructions

1. Create a new S3 bucket in us-east-1 with a name containing bts-infra-public (e.g. bts-infra-public-yourname)
2. Configure the bucket to host a static website
3. Create and upload two HTML files: index.html and 404.html

Starter code

index.html:

```
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>Hello BTS</title>
  </head>
  <body>
    <h1>Hello BTS student!</h1>
  </body>
</html>
```

404.html: Create your own “Page not found” page.

Steps

1. Create a bucket with a unique name
2. Edit **Block public access settings** and uncheck all boxes
3. Upload index.html and 404.html
4. Go to **Properties > Static website hosting > Enable**
5. Set index.html as the index document and 404.html as the error document
6. Add a **Bucket policy** to allow public read access:

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

```
{
  "Sid": "PublicReadGetObject",
  "Effect": "Allow",
  "Principal": "*",
  "Action": "s3:GetObject",
  "Resource": "arn:aws:s3:::YOUR-BUCKET-NAME/*"
}
]
```

Replace YOUR-BUCKET-NAME with your actual bucket name.

Verification

Open the website URL (found under **Properties > Static website hosting**) in your browser. You should see your page.