To create an Amazon S3 bucket for hosting a static website, upload your site files, enable static website hosting, and then test the website URL by following these detailed steps below:

**NOTE:** Both the **newstory** and **error** HTML files for this lab can be found here: <https://github.com/pluralsight-cloud/Amazon-S3-Deep-Dive>

**Step 1: Create a Bucket**

1. Navigate to the **S3 console** at <https://console.aws.amazon.com/s3/>.
2. Click **Create bucket**.
3. Provide a **unique bucket name**. Your bucket name should reflect your domain name if you plan to use one (e.g., www.example.com).
4. Select a **Region** that is closest to your expected visitors for the best performance.
5. Make sure to **uncheck** and disable ***Block all public access*** and acknowledge that the bucket will be publicly accessible, then leave the rest as the default settings.
6. Click **Create bucket**.

**Step 2: Upload Site Files to Your Bucket**

1. Open your newly created bucket by clicking on its name.
2. Download **error.html** and **newstory.html** from <https://github.com/pluralsight-cloud/Amazon-S3-Deep-Dive>.
3. Click **Upload**.
4. Click **Add files** to select your website files (**error.html** and **newstory.html** HTML files).
5. Click **Upload**.

**Step 3: Make Your Bucket Content Publicly Accessible**

1. Go to the **Permissions** tab of your bucket.
2. Click **Edit** in the **Bucket policy** section.
3. Enter a bucket policy that grants public read access to your website files. Here’s an example policy (replace your-bucket-name with your actual bucket name):

{

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

"Statement": [{

"Sid": "PublicReadGetObject",

"Effect": "Allow",

"Principal": "\*",

"Action": "s3:GetObject",

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

}]

}

1. Click **Save changes**.

**Step 4: Enable Static Website Hosting**

1. With your bucket open, click the **Properties** tab.
2. Scroll down to find the **Static website hosting** option and click **Edit**.
3. Select **Enable**.
4. For the **Index document**, enter the name of your homepage file (e.g., newstory.html). If you have a custom error page, you can also specify an **Error document** (e.g., error.html).
5. Click **Save changes**.

**Step 5: Test the Website URL**

1. Go back to the **Properties** tab and find the **Static website hosting** section.
2. You will see a **Bucket website endpoint** URL (e.g., http://your-bucket-name.s3-website-region.amazonaws.com).
3. Copy and paste the URL into your web browser to test your static website.
4. To test that the custom error page is functional, add some characters to the end of the URL (e.g., http://your-bucket-name.s3-website-region.amazonaws.com/abc123).