

Learn AWS Computing Technology

How to Create a static website using Amazon S3

Lab Details:

1. This lab walks you through how to create a static HTML website using AWS S3 and make it global to the internet.
2. Duration: 00:30:00 Hrs
3. AWS Region: US East (N. Virginia)

Tasks:

1. Login to AWS Management Console.
2. Create a S3 bucket and upload a sample HTML page to the bucket.
3. Enable static website settings to S3 bucket.
4. Make the bucket public.
5. Test the website URL.

Steps:

1. Launch your lab environment by clicking on **Start Lab** button.
2. Once your lab environment is created successfully your **Console Login** button will be active. Now click on **Console Login** button, this will open your **AWS Console** Account for this lab in a new tab.
3. Navigate to S3 by clicking on the "services" menu in the top, then click on "S3" (in the "Storage" section).
4. **Create Bucket :**
 - a. On the S3 dashboard click on **+ Create bucket** button and fill the bucket details.
 - b. **Bucket name :** Enter a bucket name.
 - c. **Region :** Select US East (N. Virginia)
 - d. No need to change anything just click on **Create** button.
5. **Enable Static Website Hosting :**
 - a. Click your bucket name in the list.
 - b. Click the **Properties** tab at the top of the screen.
 - c. Click on **Static website hosting**
 - d. Copy the **Endpoint** to your clipboard and save it in a Text Editor for later use. It will look similar to: **http://bucketname.s3-website-us-east-1.amazonaws.com**
 - e. In the **Static website hosting** dialog box:
 - i. Click **Use this bucket to host a website**
 - ii. **Index document:** Type "index.html" in the field value.
 - iii. **Error document:** Type "error.html" in the field value.
 - iv. Click on **Save**
6. Now download below two HTML files and upload them to your S3 bucket.
[Download index.html](#)
[Download error.html](#)
7. click the **Permissions** tab, then configure:
 - i. In the **Permissions** tab, click on **Bucket Policy**
 - ii. A blank **Bucket policy editor** is displayed.

- iii. Before creating the policy, you will need to copy the ARN (Amazon Resource Name) of your bucket.
- iv. Copy the **ARN** of your bucket to the clipboard. It is displayed at the top of the policy editor its look like "ARN: arn:aws:s3:::your-bucket-name"
- v. In below policy update your bucket ARN in Resource key value and copy the policy code.

```
{
  "Id": "Policy1",
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "Stmt1",
      "Action": [
        "s3:GetObject"
      ],
      "Effect": "Allow",
      "Resource": "replace-this-string-from-your-bucket-arn/*",
      "Principal": "*"
    }
  ]
}
```

8. **Test the website** : Now copy the static website URL which you copied earlier and run into the browser.
9. **Test the website error page** : Now copy the static website URL which you copied earlier and run into the browser with adding some text after the "/" , you will redirect to the error.html page automatically.
10. You have successfully completed the lab.
11. Once you completed the steps click on End Lab from your whizlabs dashboard.