Host a S3 Static Website

In this task, we are going to create a new S3 bucket in the US East (N. Virginia) region with a unique name disabling ACLs, and allowing public access for hosting the static website.

1. Navigate to **S3** by clicking on the **Services** menu at the top, then click on **S3** in the **Storage** section.
2. In the S3 dashboard, click on the**Create Bucket**button.
3. In the General Configuration,

* Select Bucket Type : **General purpose**
* Bucket name: Enter**whizlabs1230**
  + **Note:**S3 bucket name is globally unique, choose a name that is available.

1. AWS Region:Select **US East (N. Virginia) us-east-1**

A screenshot of a computer

Description automatically generated

1. Object ownership: Select **ACLs disabled (recommended)** option
2. In the option of **Block Public Access settings for this bucket**, **Uncheck** the option of **Block all public access**.
   * **Check** the I acknowledge that the current settings might result in this bucket and the objects within becoming public checkbox.

A screenshot of a bucket

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      7. Keep everything default and click on **Create Bucket**button.

A screenshot of a computer message

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Task 3: Enable Static Website Hosting settings

In this task, we will enable static website hosting for our S3 bucket, configure it to use index.html and error.html, copy the provided endpoint, upload two files, and configure the bucket policy by copying its ARN and pasting the provided policy code.

1. To proceed, go to the **S3 bucket name** that you created and click on it. After that, navigate to the **Properties** tab which can be found at the top of the screen.
2. Scroll down to the **Static website hosting** section and click on **Edit** button.

A white rectangular object with a black border

Description automatically generated

1. In the **Static website hosting** dialog box

* Static website hosting: Select **Enable**
* Hosting type: Choose **Host a static website**
* Index document: Type ***index.html***
* Error document: Type ***error.html***
* Click on **Save Changes**.

A screenshot of a web address

Description automatically generated

       4. Go to the **Properties** tab of your S3 bucket, and find the **Static website hosting** section. **Copy** the Endpoint provided in this section to your clipboard and **save** it for future reference.

      5. The next step is to download the zip file by clicking on the [link](https://labresources.whizlabs.com/2e8a0c891334fbb141d713fc9de61e60/task_23.zip), extract it, and upload two files named **index.html** and **error.html** to the S3 bucket you created earlier.

A screenshot of a computer

Description automatically generated

      6. To configure your S3 bucket, access the **Permissions** tab and make the necessary configurations.

* In the **Permissions** tab, Click on the **Edit** button beside the **Bucket Policy**.

A close-up of a computer screen

Description automatically generated

* You will be able to see a Blank policy editor.
* Before creating the policy, you will need to copy the **ARN** (Amazon Resource Name) of your bucket.
* Copy the **ARN** of your bucket to the clipboard. It is displayed at the top of the policy editor. it will look like **ARN:“arn:aws:s3:::your-bucket-name**".
* In the policy below, **Update** the bucket ARN on the Resource key value and **paste** the below policy code in the editor.

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

A screenshot of a computer

Description automatically generated

* Click on **Save changes** button.

Task 4: Test the website

1. Now copy the **static website URL** (that we saved earlier) and run it in your browser. You will be able to see the index.html file's text. A sample screenshot is attached below:

A black and white text

Description automatically generated

Task 5: Test the website's error page

1. Copy the static website URL (which we saved earlier) , but this time, add some random characters to the end of the url to break it. When satisfied, hit **[Enter]**. You will be redirected to the **error.html** page automatically.

A screenshot of a web page

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