How to Create a static website using Amazon S3

**Lab Details:**

1. This lab walks you through how to create a static HTML webstie 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 :**
   1. On the S3 dashboard click on **+ Create bucket** button and fill the bucket details.
   2. **Bucket name :**Enter a bucket name.
   3. **Region :**Select US East (N. Virginia)
   4. No need to change anything just click on **Create** button.
5. **Enable Static Website Hosting :**
   1. Click your bucket name in the list.
   2. Click the **Properties** tab at the top of the screen.
   3. Click on **Static website hosting**
   4. 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**
   5. In the **Static website hosting** dialog box:
      1. Click **Use this bucket to host a website**
      2. **Index document:** Type "index.html" in the field value.
      3. **Error document:** Type "error.html" in the field value.
      4. Click on **Save**
6. Now download below two HTML files and upload them to your s3 bucket.   
   [Download index.html](https://play.whizlabs.com/site/download_file3?file=sample.html)   
   [Download error.html](https://play.whizlabs.com/site/download_file4?file=error.html)
7. click the **Permissions** tab, then configure:
   1. In the **Permissions** tab, click on **Bucket Policy**
   2. A blank **Bucket policy editor** is displayed.
   3. Before creating the policy, you will need to copy the ARN (Amazon Resource Name) of your bucket.
   4. 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"
   5. In below policy update your bucket ARN in Resource key value and copy the policy code.
   6. {
   7. "Id": "Policy1",
   8. "Version": "2012-10-17",
   9. "Statement": [
   10. {
   11. "Sid": "Stmt1",
   12. "Action": [
   13. "s3:GetObject"
   14. ],
   15. "Effect": "Allow",
   16. "Resource": "replace-this-string-from-your-bucket-arn/\*",
   17. "Principal": "\*"
   18. }
   19. ]
   20. }

1. **Test the website :** Now copy the static website URL which you copied earlier and run into the browser.
2. **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.
3. You have successfully completed the lab.