

Assignment 3:

Introduction to AWS S3 and Hosting a Static Website Using Amazon Simple Storage Service

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Deliverables:

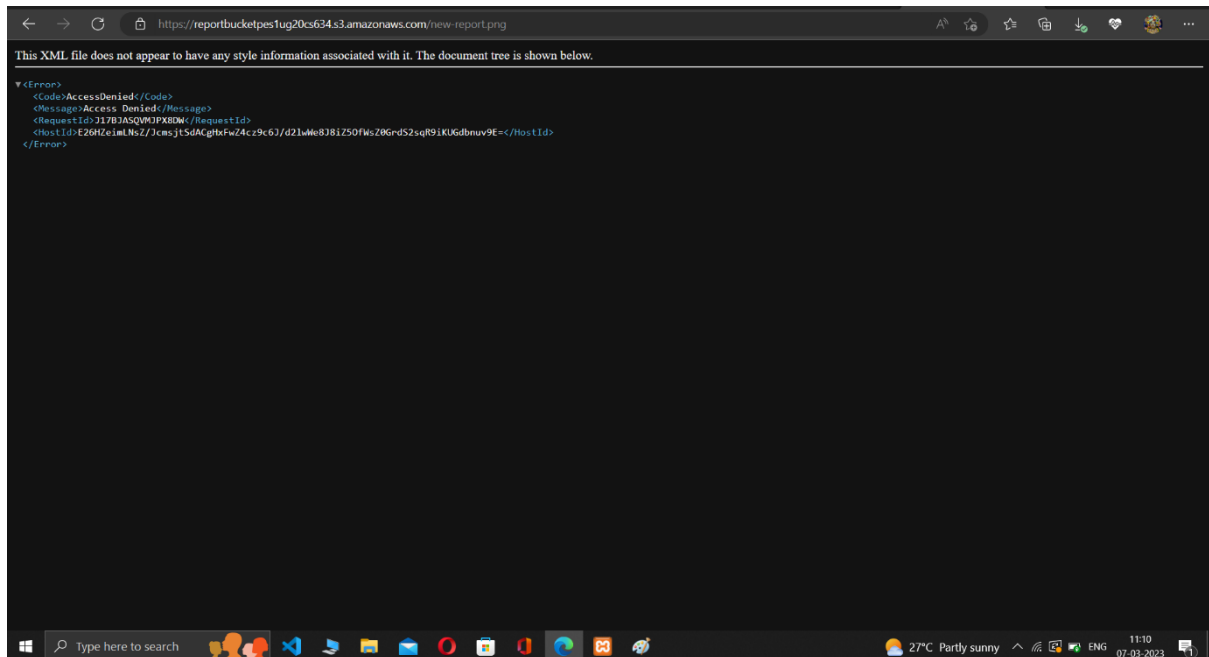
Lab 1:

Screenshot 1a: Bucket Creation

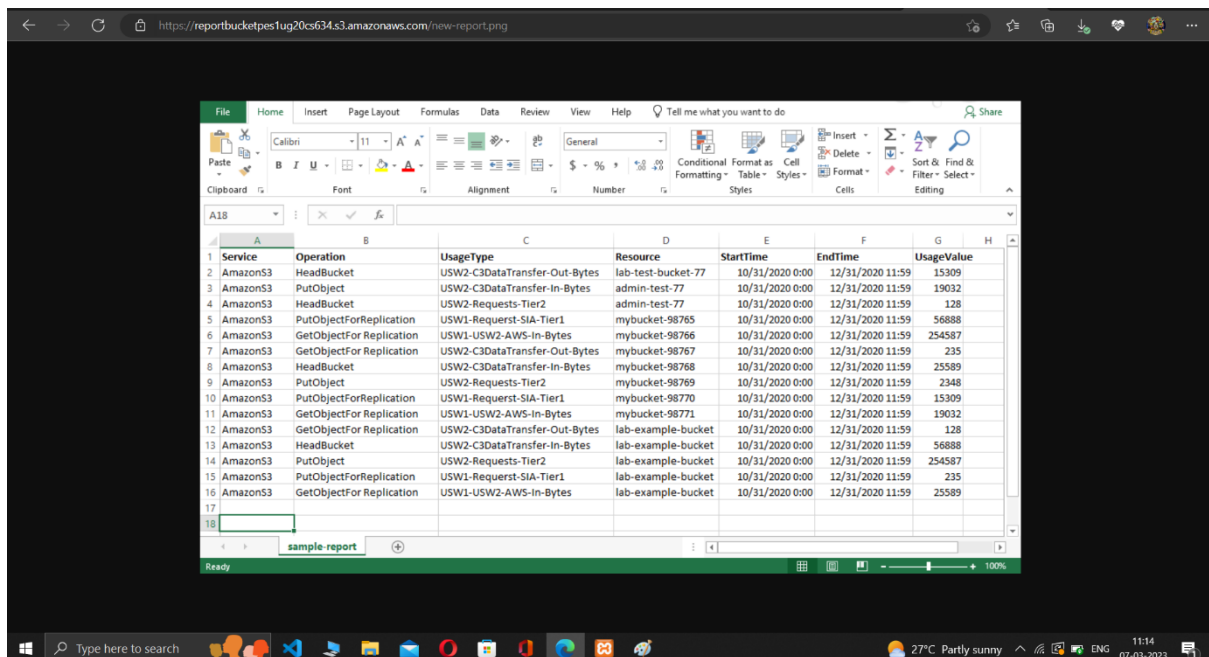
The screenshot displays the AWS S3 console interface. At the top, a green notification banner states: "Successfully created bucket 'reportbucketpes1ug20cs634'. To upload files and folders, or to configure additional bucket settings choose View details." The left sidebar shows the navigation menu with options like Buckets, Access Points, and Storage Lens. The main content area shows the "Buckets (1)" section with a table listing the newly created bucket. The table has columns for Name, AWS Region, Access, and Creation date. The bucket 'reportbucketpes1ug20cs634' is listed in the US East (N. Virginia) us-east-1 region with public access blocked. Above the table, there is an "Account snapshot" section showing metrics like Total storage (8.2 MB) and Object count (642). A "Create bucket" button is visible in the top right of the bucket list section.

Name	AWS Region	Access	Creation date
reportbucketpes1ug20cs634	US East (N. Virginia) us-east-1	Bucket and objects not public	March 7, 2023, 11:06:58 (UTC+05:30)

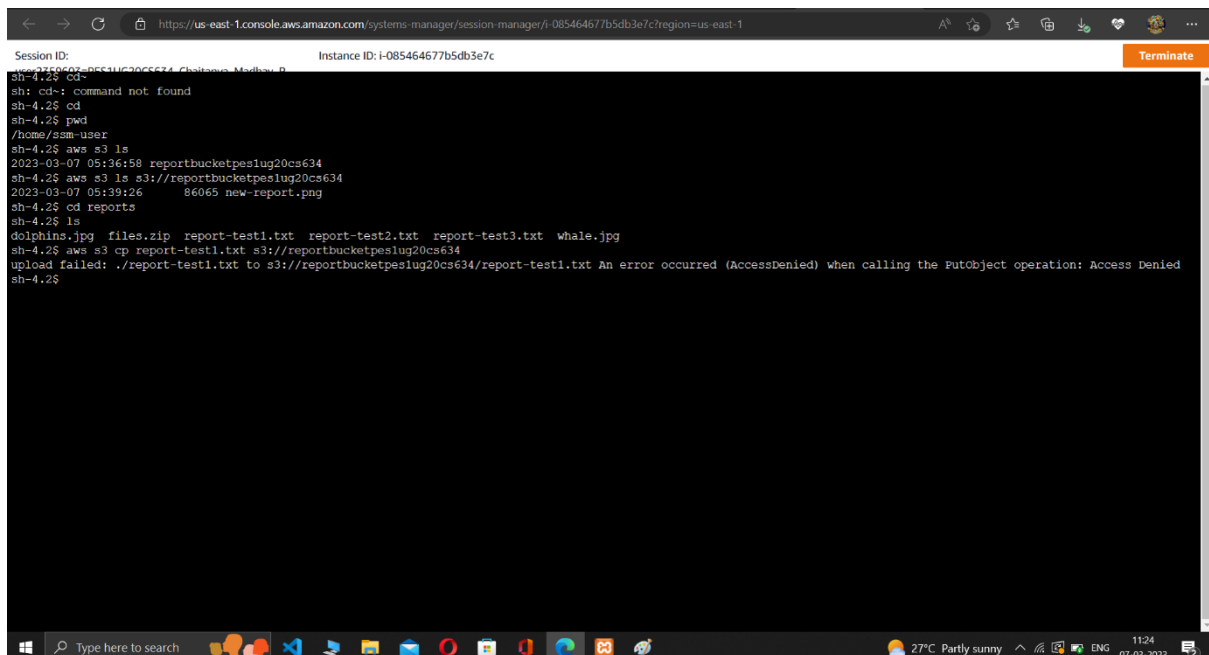
Screenshot 1b: Access denied error when opening new-report.png



Screenshot 1c: Display new-report.png after making it publicly accessible



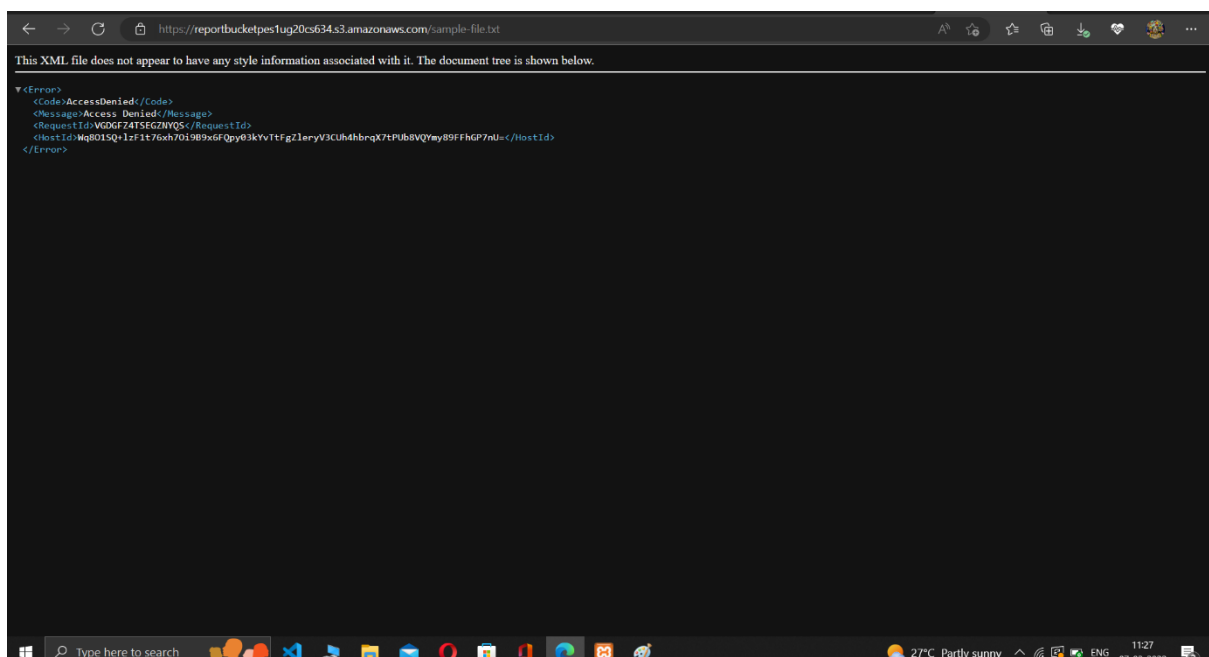
Screenshot 1d: PutObject operation failed (Access Denied)



The screenshot shows a terminal window within an AWS Systems Manager session. The terminal output shows the user attempting to upload a file to an S3 bucket. The command is: `aws s3 cp report-test1.txt s3://reportbucketpeslug20cs634`. The output shows the file was uploaded successfully, but then an error occurred: `upload failed: ./report-test1.txt to s3://reportbucketpeslug20cs634/report-test1.txt An error occurred (AccessDenied) when calling the PutObject operation: Access Denied`. The error message is displayed in red text. The terminal window is titled "Session ID: i-085464677b5db3e7c" and has a "Terminate" button in the top right corner. The browser address bar shows the URL: `https://us-east-1.console.aws.amazon.com/systems-manager/session-manager/i-085464677b5db3e7c?region=us-east-1`.

```
Session ID: i-085464677b5db3e7c Instance ID: i-085464677b5db3e7c
sh-4.2$ cd ~
sh: cd: command not found
sh-4.2$ cd
sh-4.2$ pwd
/home/ssm-user
sh-4.2$ aws s3 ls
2023-03-07 05:36:58 reportbucketpeslug20cs634
sh-4.2$ aws s3 ls s3://reportbucketpeslug20cs634
2023-03-07 05:39:26      86065 new-report.png
sh-4.2$ cd reports
sh-4.2$ ls
dolphins.jpg  files.zip  report-test1.txt  report-test2.txt  report-test3.txt  whale.jpg
sh-4.2$ aws s3 cp report-test1.txt s3://reportbucketpeslug20cs634
upload failed: ./report-test1.txt to s3://reportbucketpeslug20cs634/report-test1.txt An error occurred (AccessDenied) when calling the PutObject operation: Access Denied
sh-4.2$
```

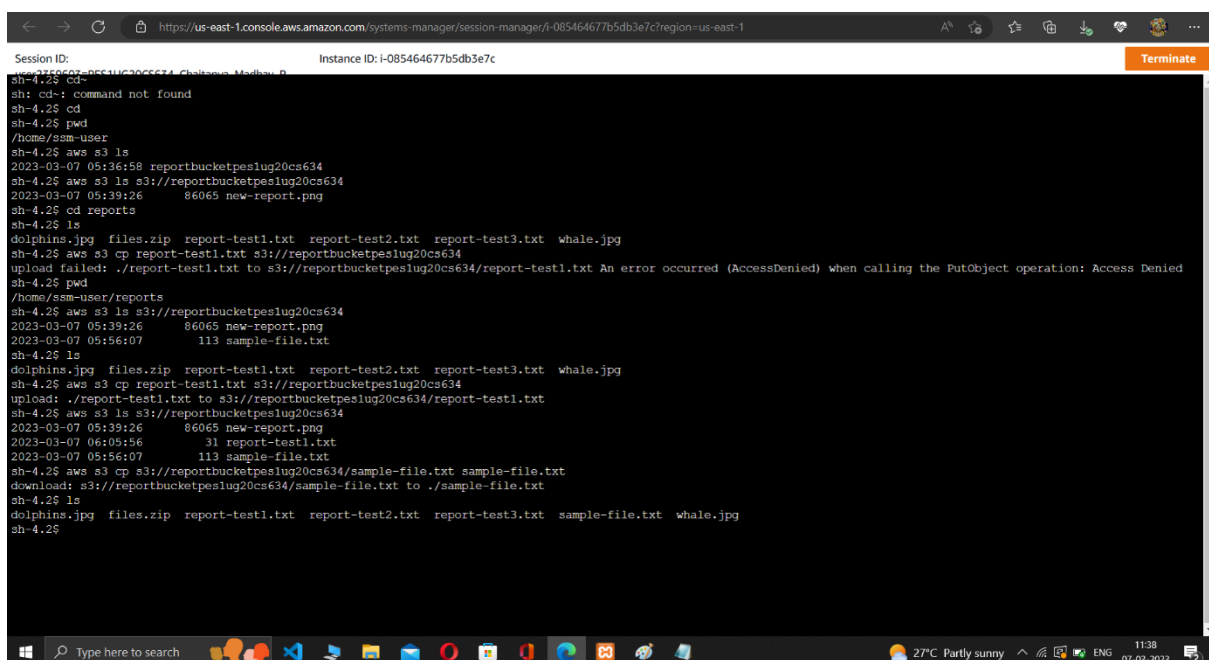
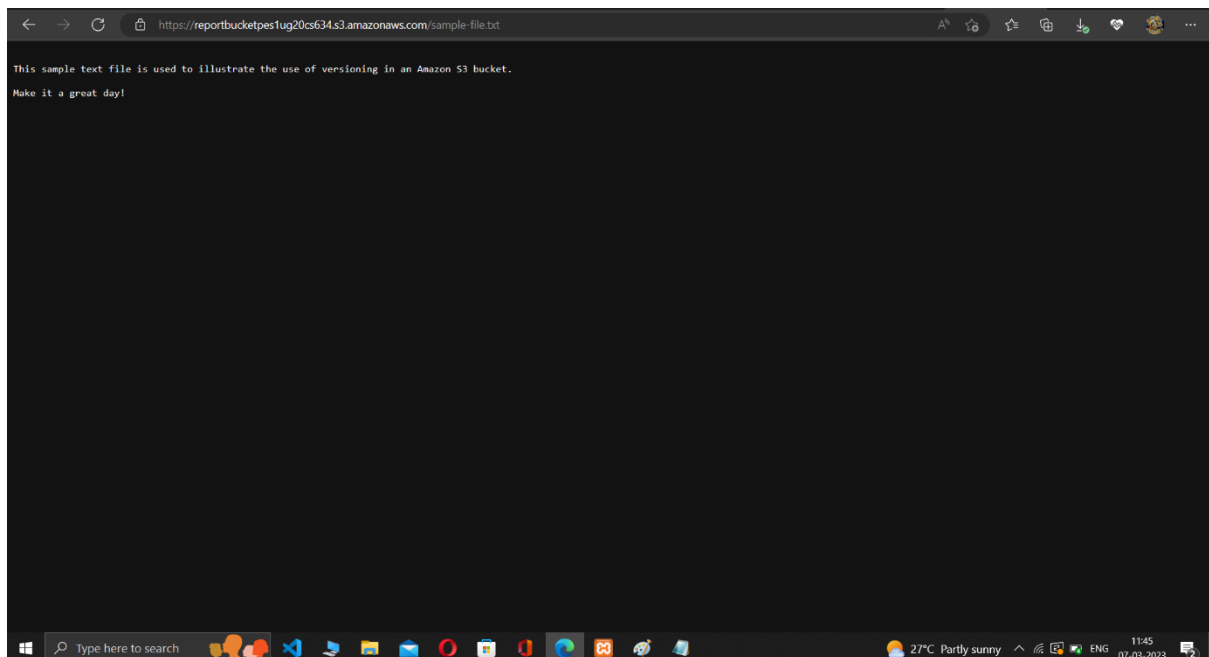
Screenshot 1e: Access denied error when opening sample-file.txt



The screenshot shows the AWS S3 console interface. The browser address bar shows the URL: `https://reportbucketpeslug20cs634.s3.amazonaws.com/sample-file.txt`. The main content area displays an error message: "This XML file does not appear to have any style information associated with it. The document tree is shown below." Below the message is an XML error document. The XML content is:

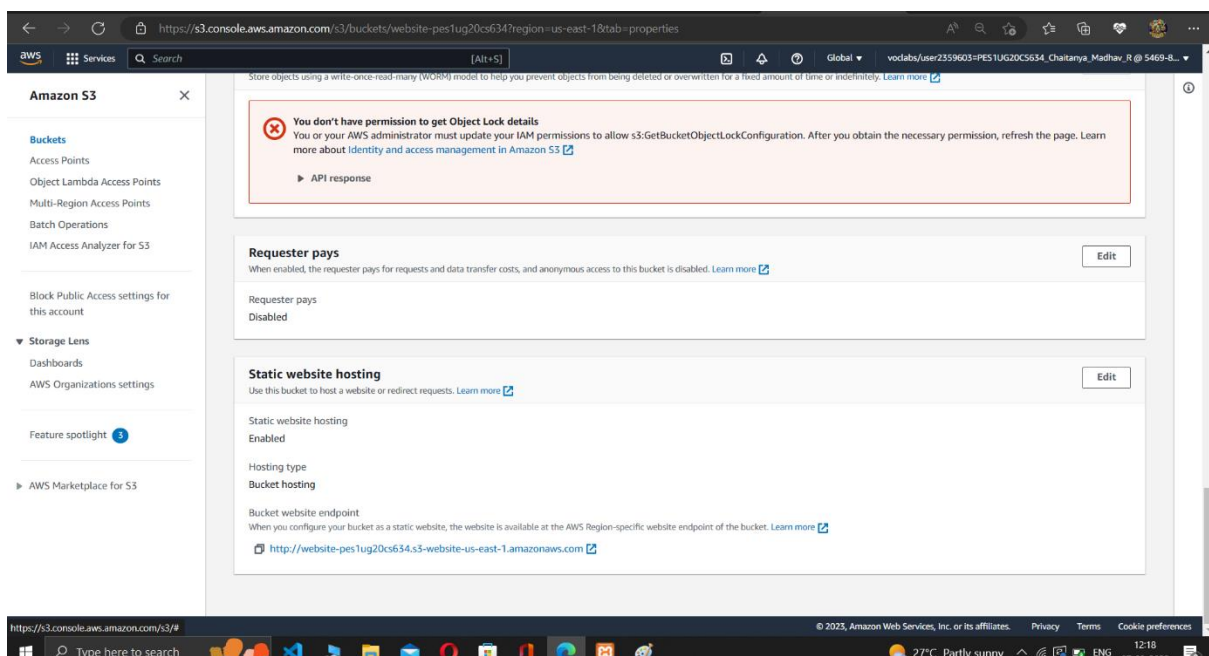
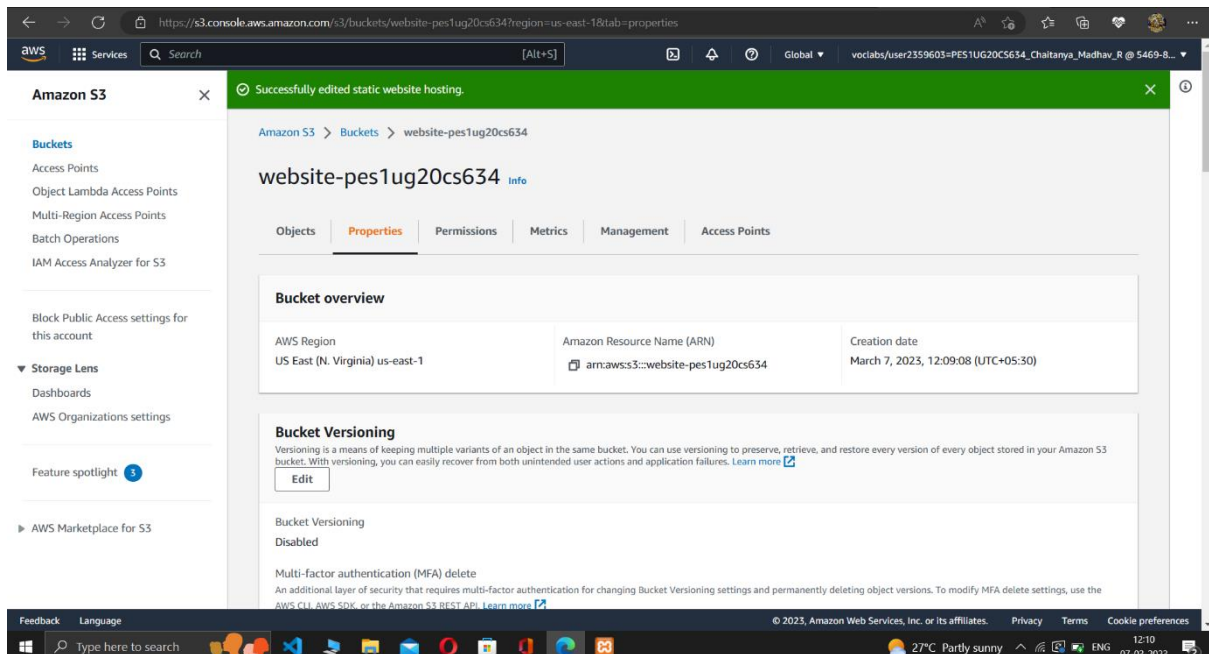
```
<?xml version="1.0" encoding="UTF-8" ?>
<Error>
  <Code>AccessDenied</Code>
  <Message>Access Denied</Message>
  <RequestId>W0GZF2ATSEGTWQ5</RequestId>
  <HostId>Mq8015q+1z71c76sh7019B9x6f9py03kYvTtfgZ1eryY3CUh4hbrqX7tPUB8VQYay89F FhG7nd=</HostId>
</Error>
```

Screenshot 1f: Display sample-file.txt after updating policy

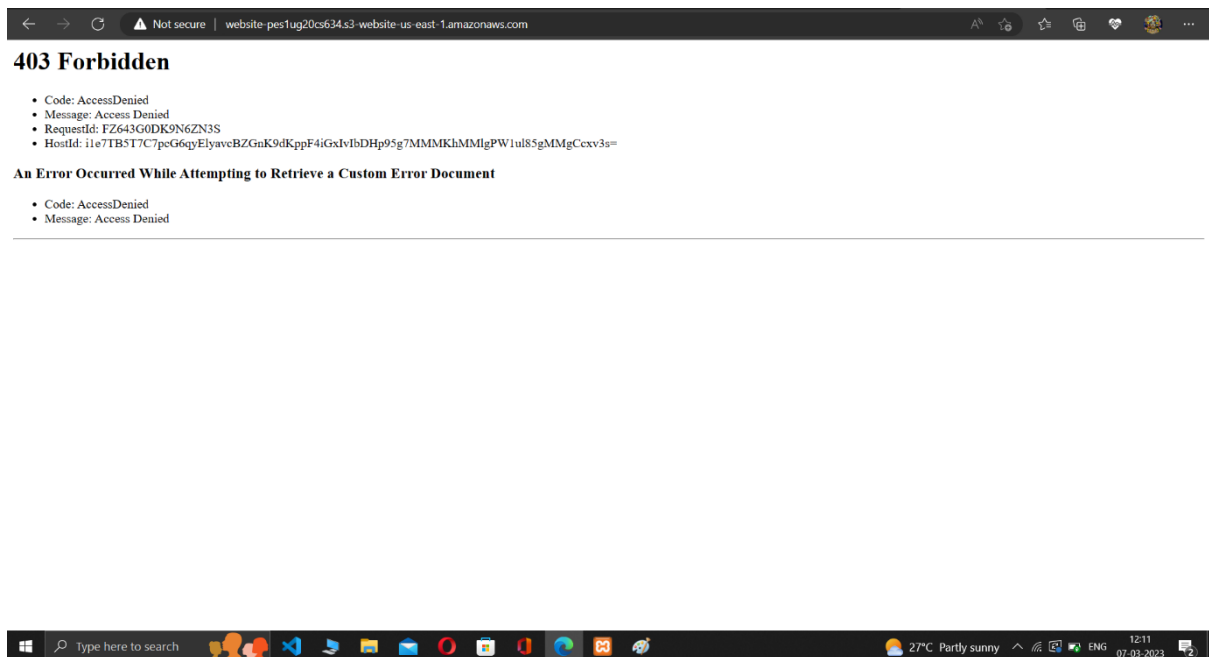


Lab 7:

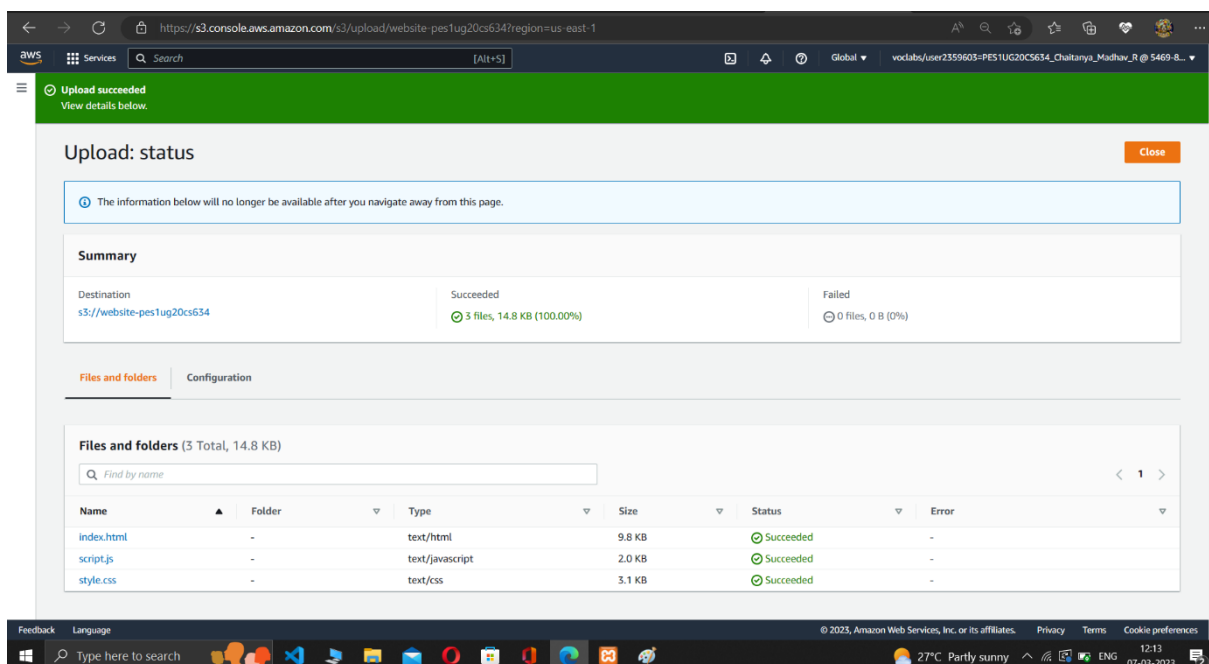
Screenshot 2a: Enabled static website option selected under “Edit static website hosting”



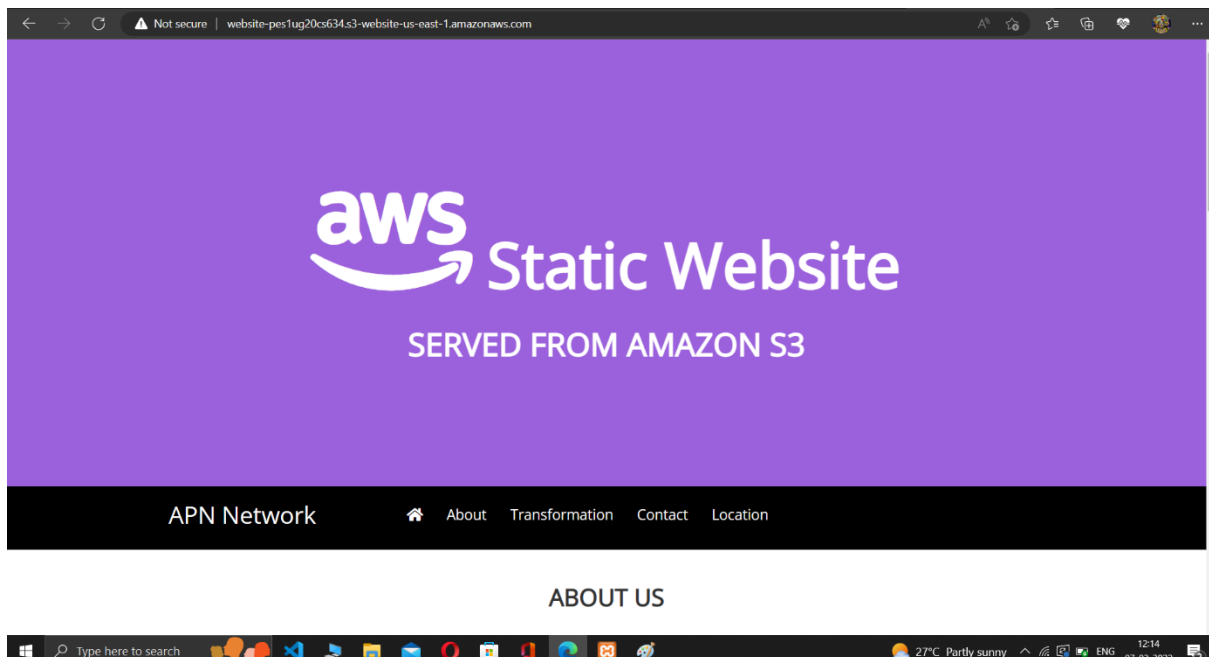
Screenshot 2b: 403 Forbidden Error page



Screenshot 2c: Uploaded objects (index.html, script.js, style.css)



Screenshot 2d: Static website before modifying index.html file



Screenshot 2e: Static website after modifying index.html file

