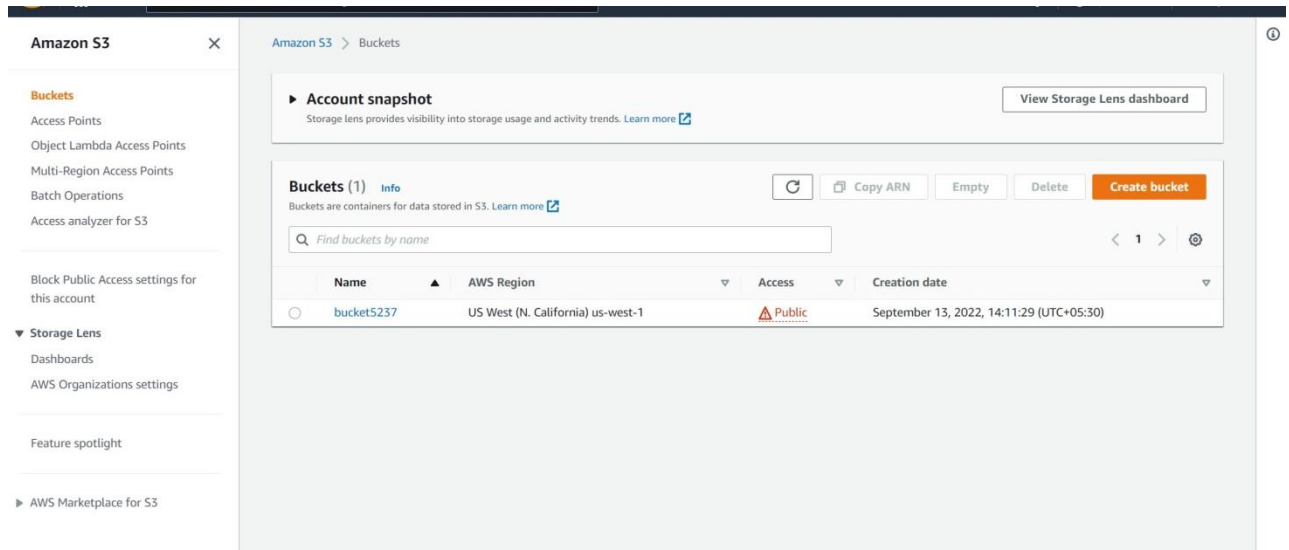


EXPERIMENT 4: CREATING A STATIC WEBSITE ON AMAZON S3-USING AWS SYSTEM MANAGER

AIM: To create a static website on Amazon S3 using AWS system manager.

PROCEDURE:

- 1) Sign in to the AWS Management Console and click on Amazon S3 Console at <https://console.aws.amazon.com/s3/> .
- 2) Click on create a bucket.
- 3) Enter the name of the bucket and the region you want to create it in
- 4) Accept the default settings and then click on create a bucket



- 5) In the buckets list, click on the bucket you just created and choose properties, then under static website hosting click the enable option.

Amazon S3

Buckets

Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3

Block Public Access settings for this account

Storage Lens
Dashboards
AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Disabled

Amazon S3 currently does not support enabling Object Lock after a bucket has been created. To enable Object Lock for this bucket, contact [Customer Support](#)

Requester pays

When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)

Requester pays
Disabled

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
Enabled

Hosting type
Bucket hosting

Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

<http://bucket5237.s3-website-us-west-1.amazonaws.com>

Amazon S3

Buckets

Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3

Block Public Access settings for this account

Storage Lens
Dashboards
AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
☐ Disable
☒ Enable

Hosting type
☒ Host a static website
Use the bucket endpoint as the web address. [Learn more](#)
☐ Redirect requests for an object
Redirect requests to another bucket or domain. [Learn more](#)

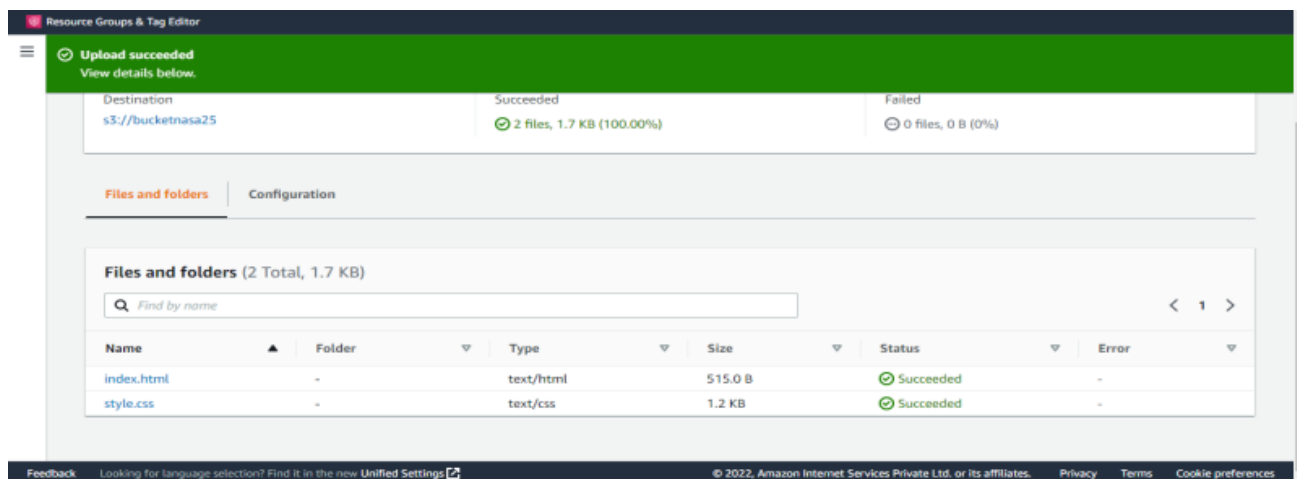
For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)

Index document
Specify the home or default page of the website.

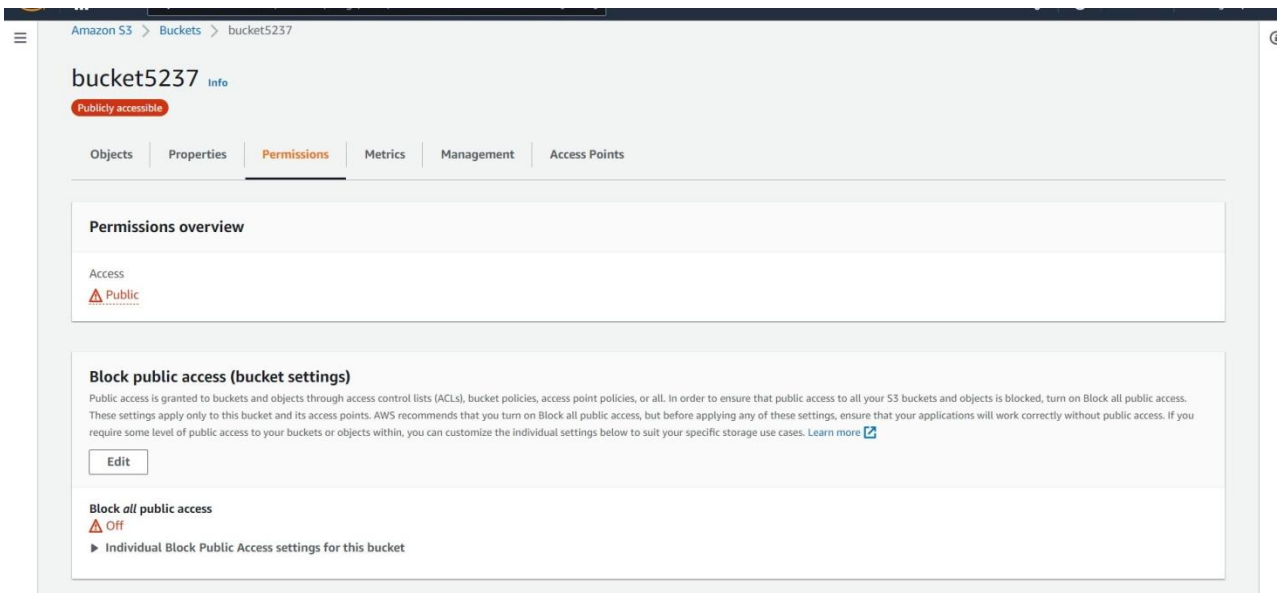
Error document - optional
This is returned when an error occurs.

Redirection rules - optional
Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

6) Then click on the upload option after selecting your bucket and upload your project files(index.html,style.css,main.js). Also, make sure that the project files you will upload have proper names as they are case-sensitive.



7) After configuring the website you can use the endpoint to test the website out. 8) choose the name of the bucket you just configured and then choose permissions under that block public access will be visible, click on the edit option and save the changes.



9) under the bucket permissions there will be a bucket policy, click on that and paste this code into the bucket policy editor:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "PublicReadGetObject",
      "Effect": "Allow",
      "Principal": "*",
      "Action": [
        "s3:GetObject"
      ],
      "Resource": [
        "arn:aws:s3:::Bucket-Name/*"
      ]
    }
  ]
}
```

10) Click on save changes

11) Under the buckets, choose the name of your bucket which you just created, and in the properties, choose a static website hosting - then choose your bucket endpoint 12) Now you can access your website as it has successfully been hosted.

Personal Detail Survey

Hosted on Amazon S3

Static Website on Amazon S3

- You can search for your favourite Movie here !
- You can review your movie files
- You can create movie files and folders according to you need
- Feel free to use it as your local media Player

Personal Details

Fill in your details to register

First Name:

Last Name:

Select you favourite genere

☐ Horror

☐ Comedy

☐ Rom-Com

Date of Birth:

13) Make sure to clean up after this experiment by deleting the AWS Resources that have been just allocated . After you have deleted these resources, your website will no longer be available .

RESULT:

A static website has been successfully created on Amazon S3 using AWS System Manager.