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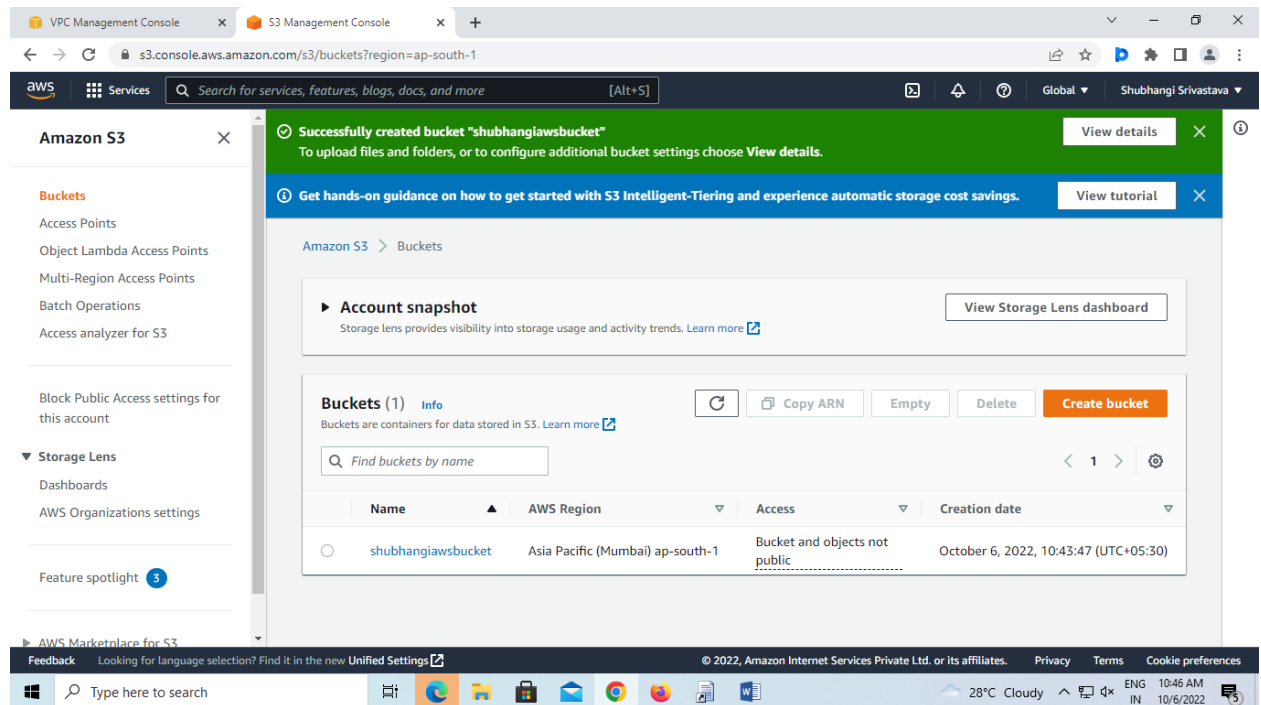
CSE K2

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.

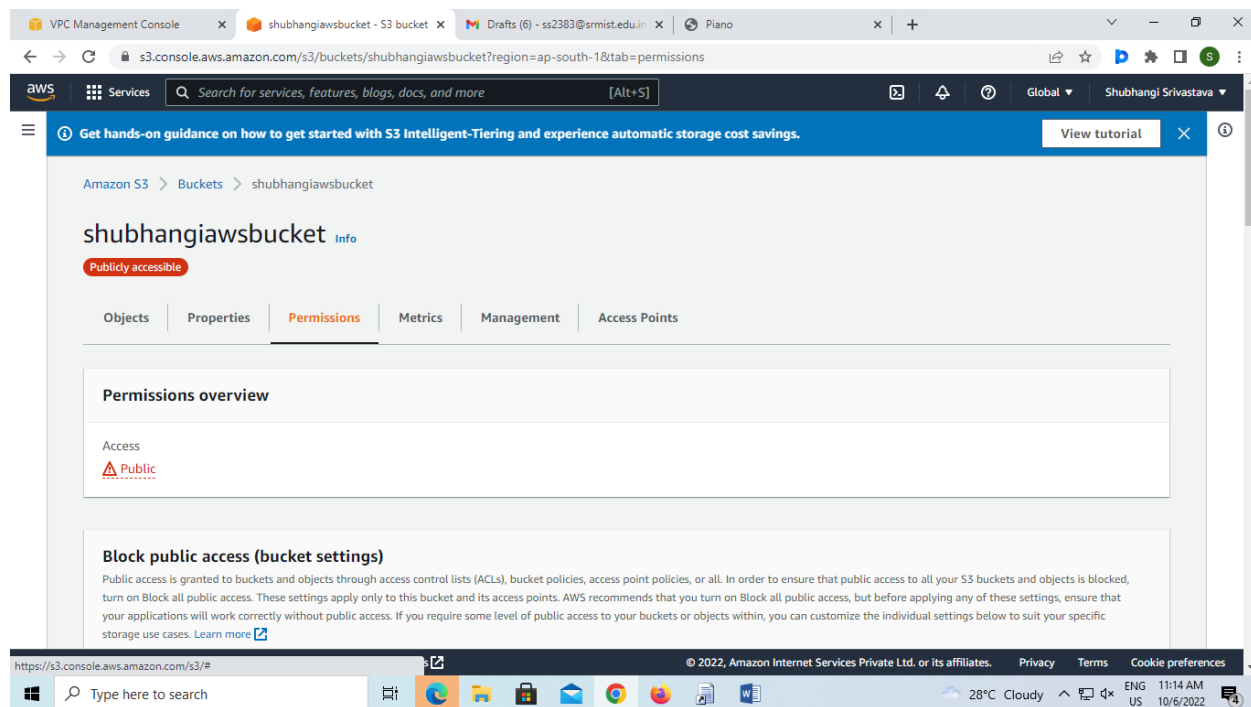
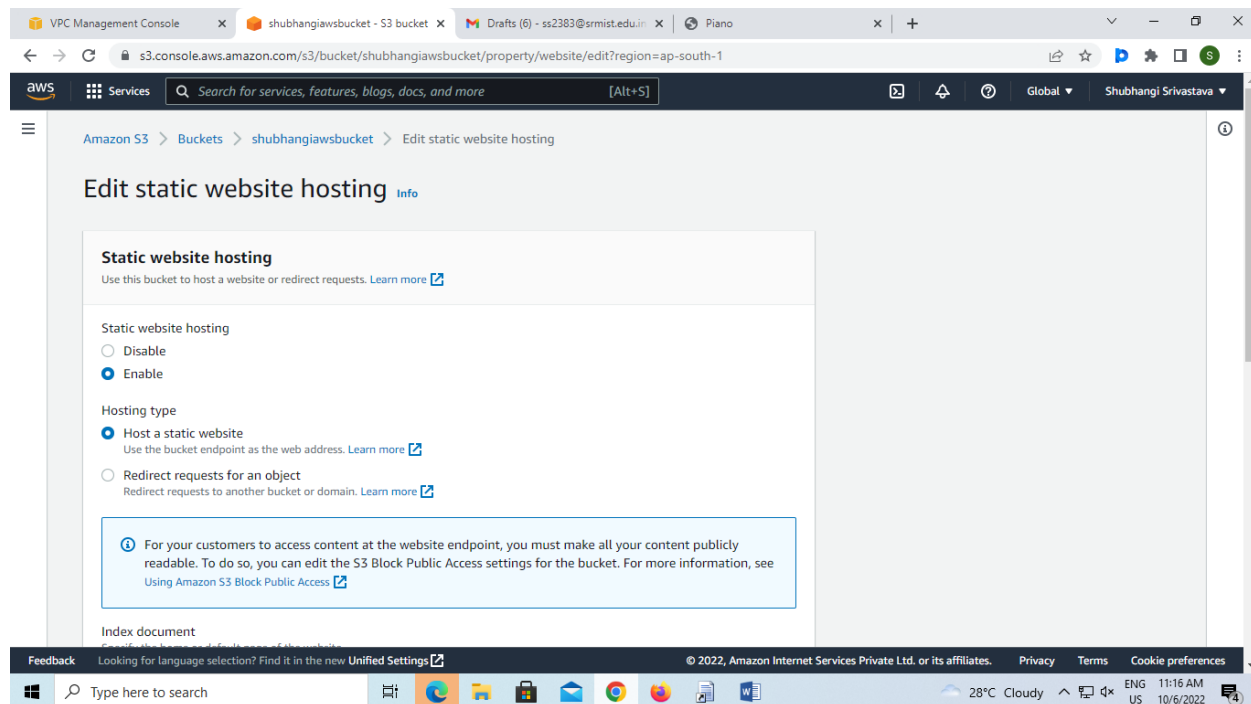
PROCEDURE:

- 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

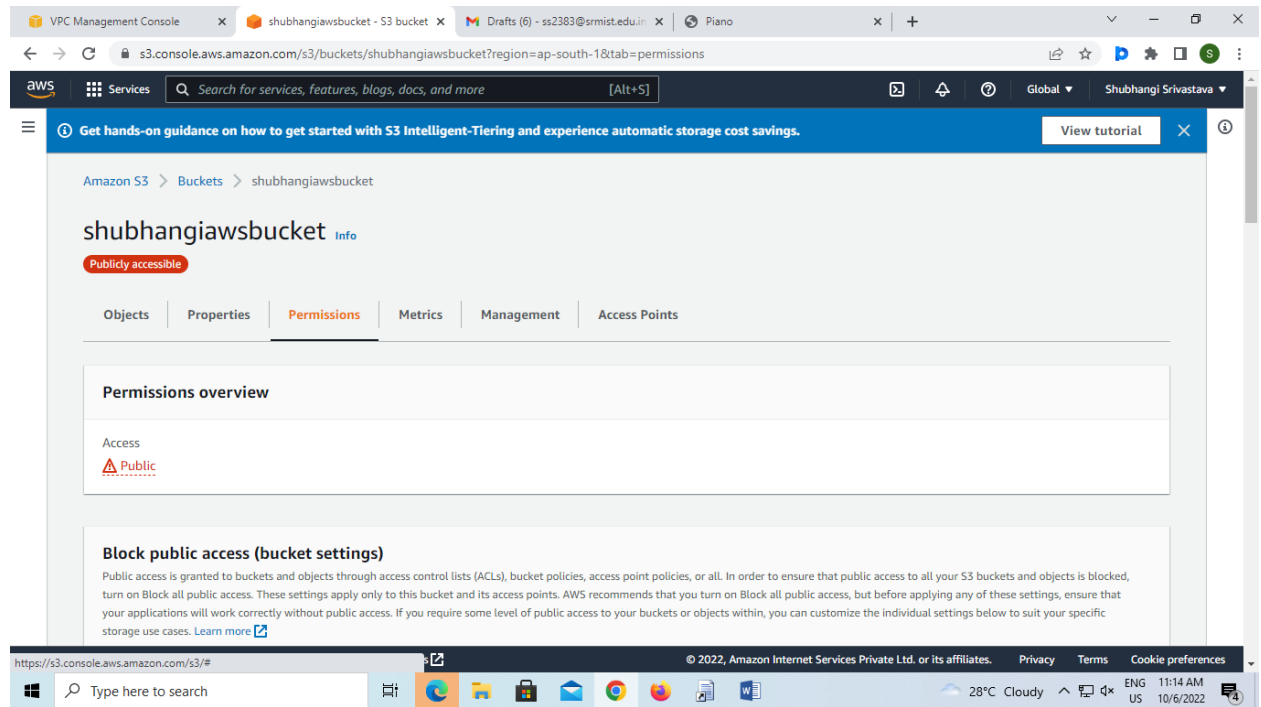


- 5) In the buckets list, click on the bucket you just created and choose properties, then under

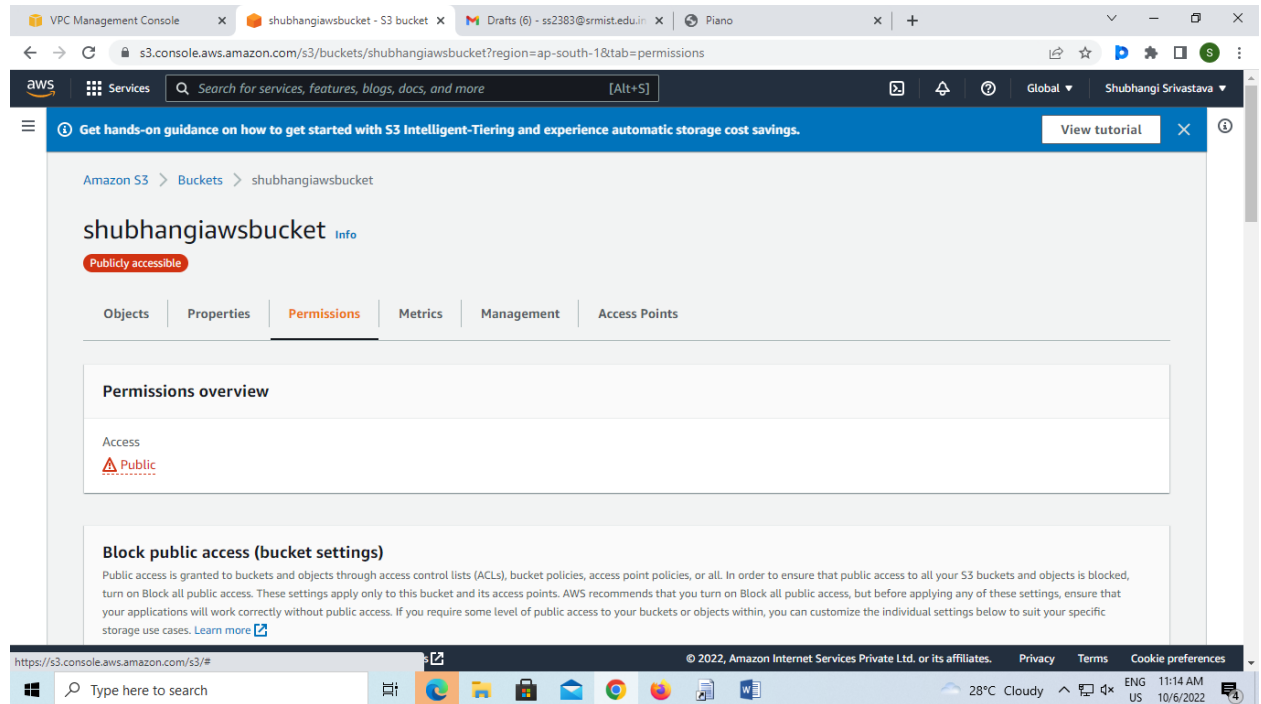
static website hosting click the enable option.



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

Now you can access your website as it has successfully been hosted.

VPC Management Console x S3 Management Console x Drafts (5) - ss2383@srmist.edu.in x Piano x +

s3.console.aws.amazon.com/s3/upload/shubhangiawsbucket?region=ap-south-1

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Upload succeeded
View details below.

Summary

Destination s3://shubhangiawsbucket	Succeeded ✔ 1 file, 1.6 KB (100.00%)	Failed ✖ 0 files, 0 B (0%)
--	---	-------------------------------

Files and folders Configuration

Files and folders (1 Total, 1.6 KB)

Find by name

Name	Folder	Type	Size	Status	Error
index.html	-	text/html	1.6 KB	Succeeded	-

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s3.console.aws.amazon.com/s3/buckets/shubhangiawsbucket?region=ap-south-1&tab=permissions

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Get hands-on guidance on how to get started with S3 Intelligent-Tiering and experience automatic storage cost savings. View tutorial

Amazon S3 > Buckets > shubhangiawsbucket

shubhangiawsbucket Info

Publicly accessible

Objects Properties **Permissions** Metrics Management Access Points

Permissions overview

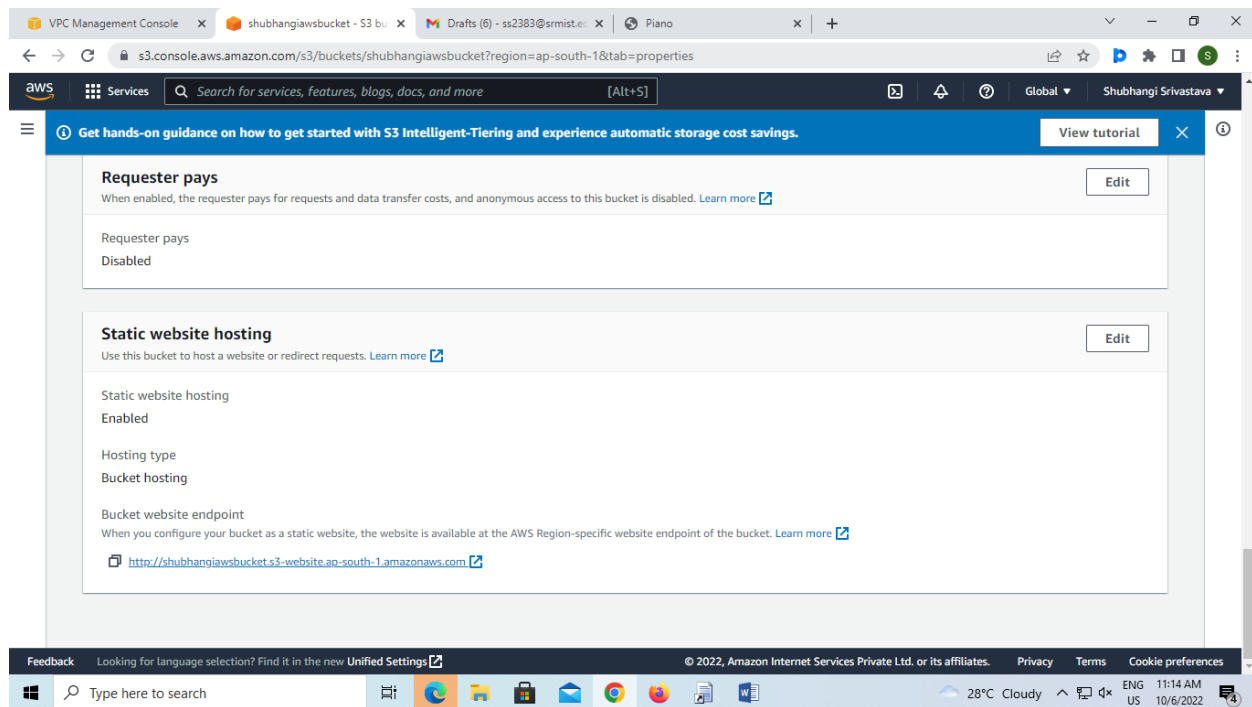
Access

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

https://s3.console.aws.amazon.com/s3/# © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

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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.