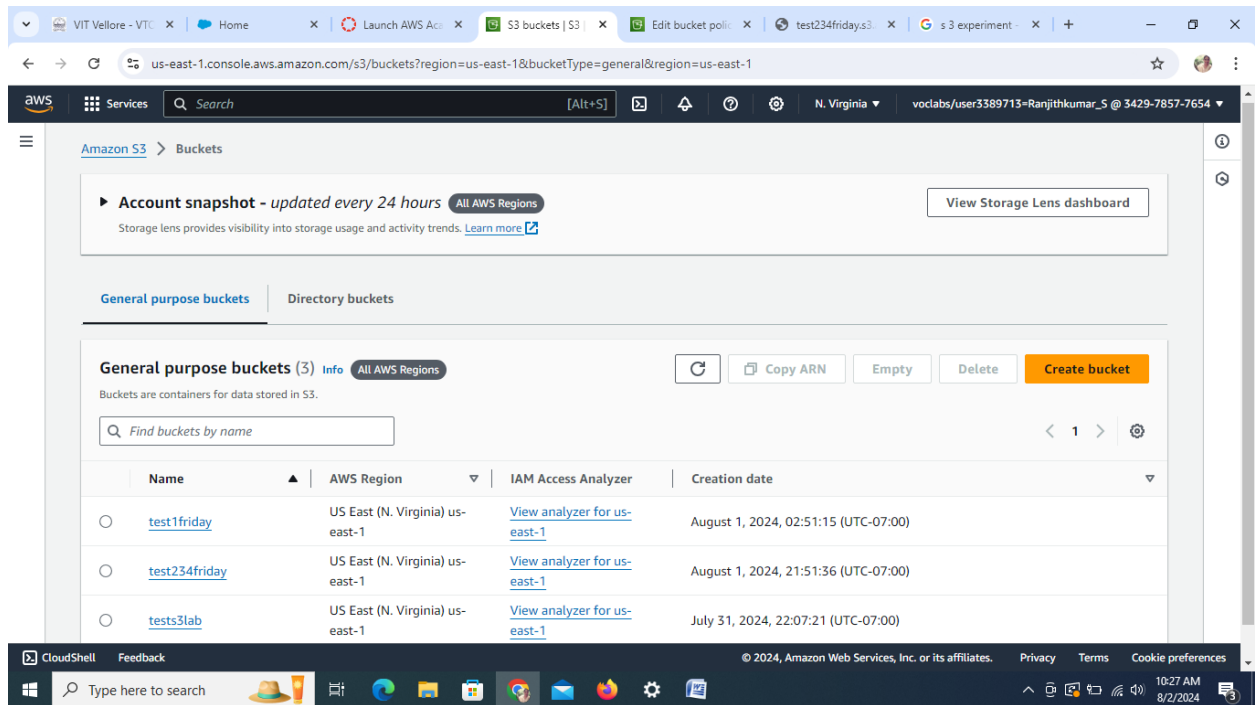
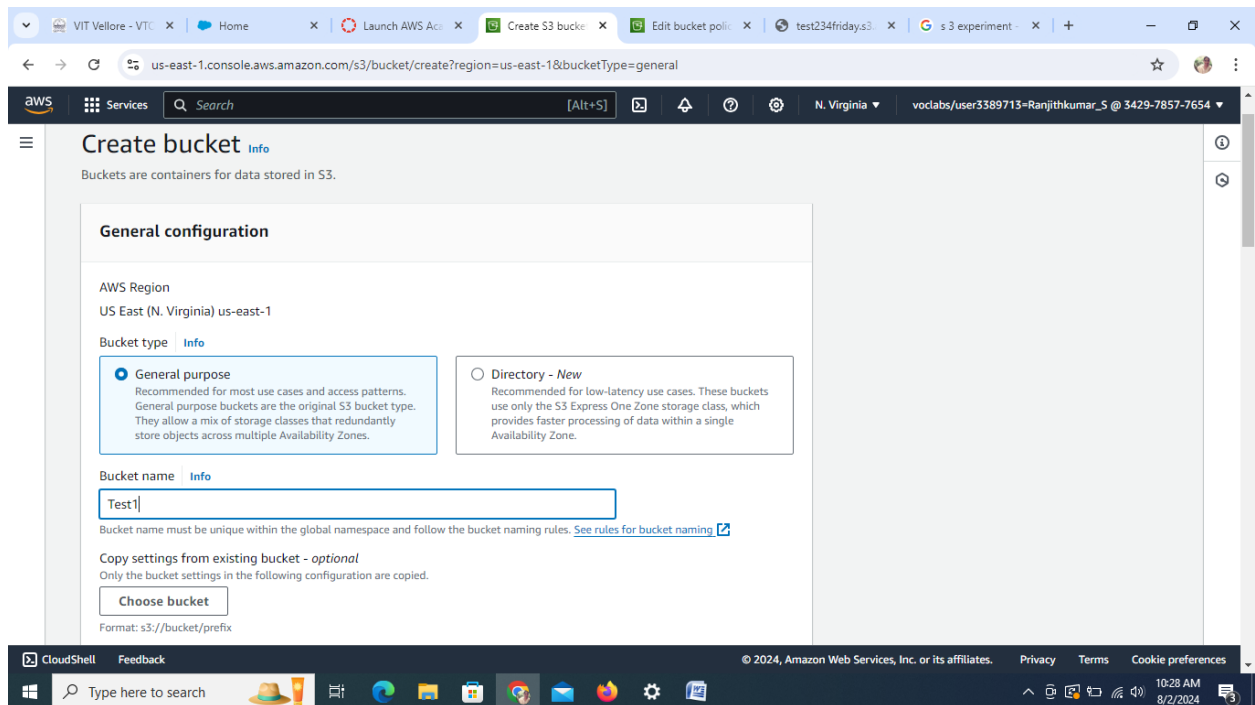


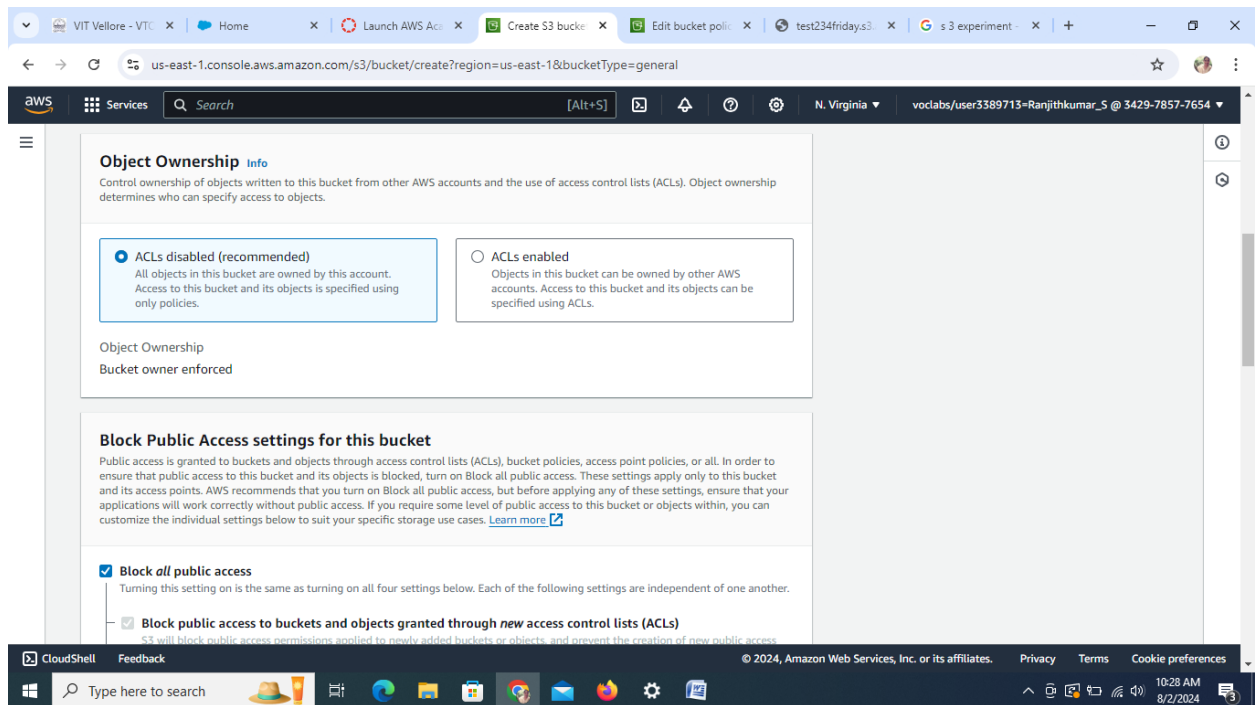
Step 1: Create Bucket



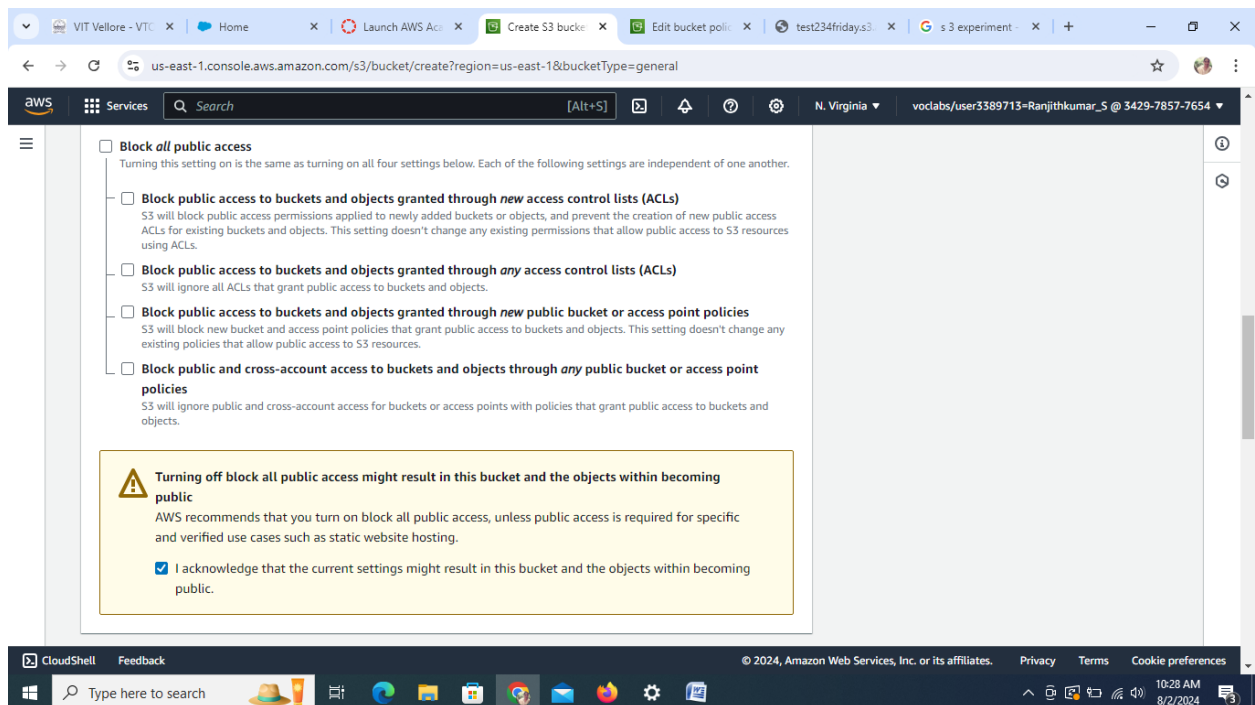
Step 2:



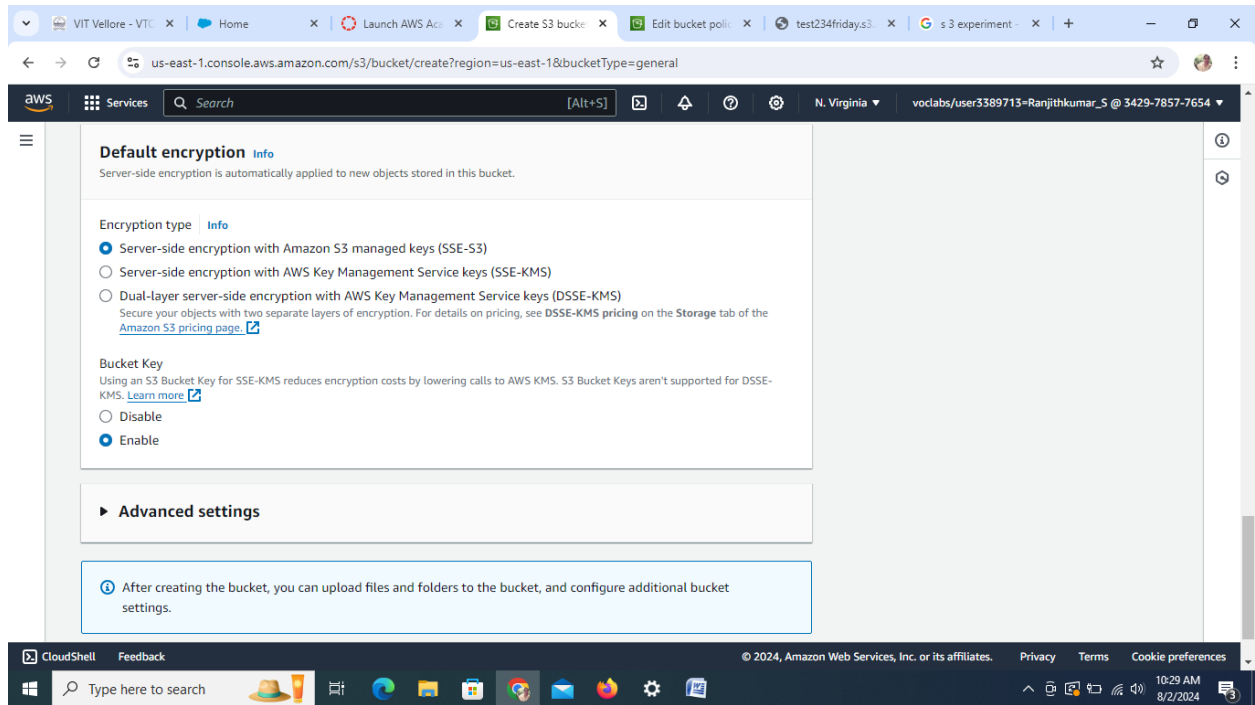
Step 3



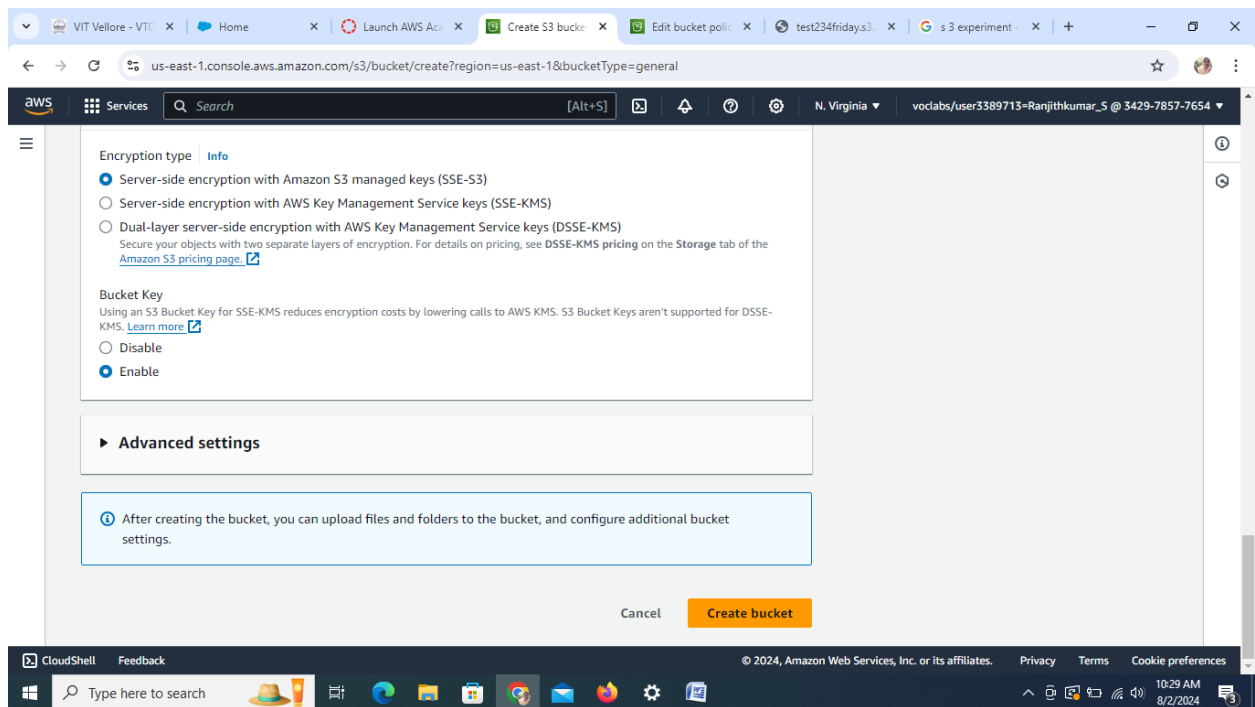
Step 4: Uncheck Block Public Access



Step 5: use Default Settings



Step 6: Create it



Step 7: Open the Bucket

us-east-1.console.aws.amazon.com/s3/buckets?region=us-east-1&bucketType=general®ion=us-east-1

Amazon S3 > Buckets

Account snapshot - updated every 24 hours All AWS Regions View Storage Lens dashboard

Storage lens provides visibility into storage usage and activity trends. Learn more

General purpose buckets Directory buckets

General purpose buckets (3) Info All AWS Regions

Buckets are containers for data stored in S3.

Find buckets by name

	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	test1friday	US East (N. Virginia) us-east-1	View analyzer for us-east-1	August 1, 2024, 02:51:15 (UTC-07:00)
<input type="radio"/>	test234friday	US East (N. Virginia) us-east-1	View analyzer for us-east-1	August 1, 2024, 21:51:36 (UTC-07:00)
<input type="radio"/>	tests3lab	US East (N. Virginia) us-east-1	View analyzer for us-east-1	July 31, 2024, 22:07:21 (UTC-07:00)

Step 8: Upload File/Folder

us-east-1.console.aws.amazon.com/s3/buckets/test234friday?region=us-east-1&bucketType=general&tab=objects

test234friday Info

Objects Properties Permissions Metrics Management Access Points

Objects (0) Info

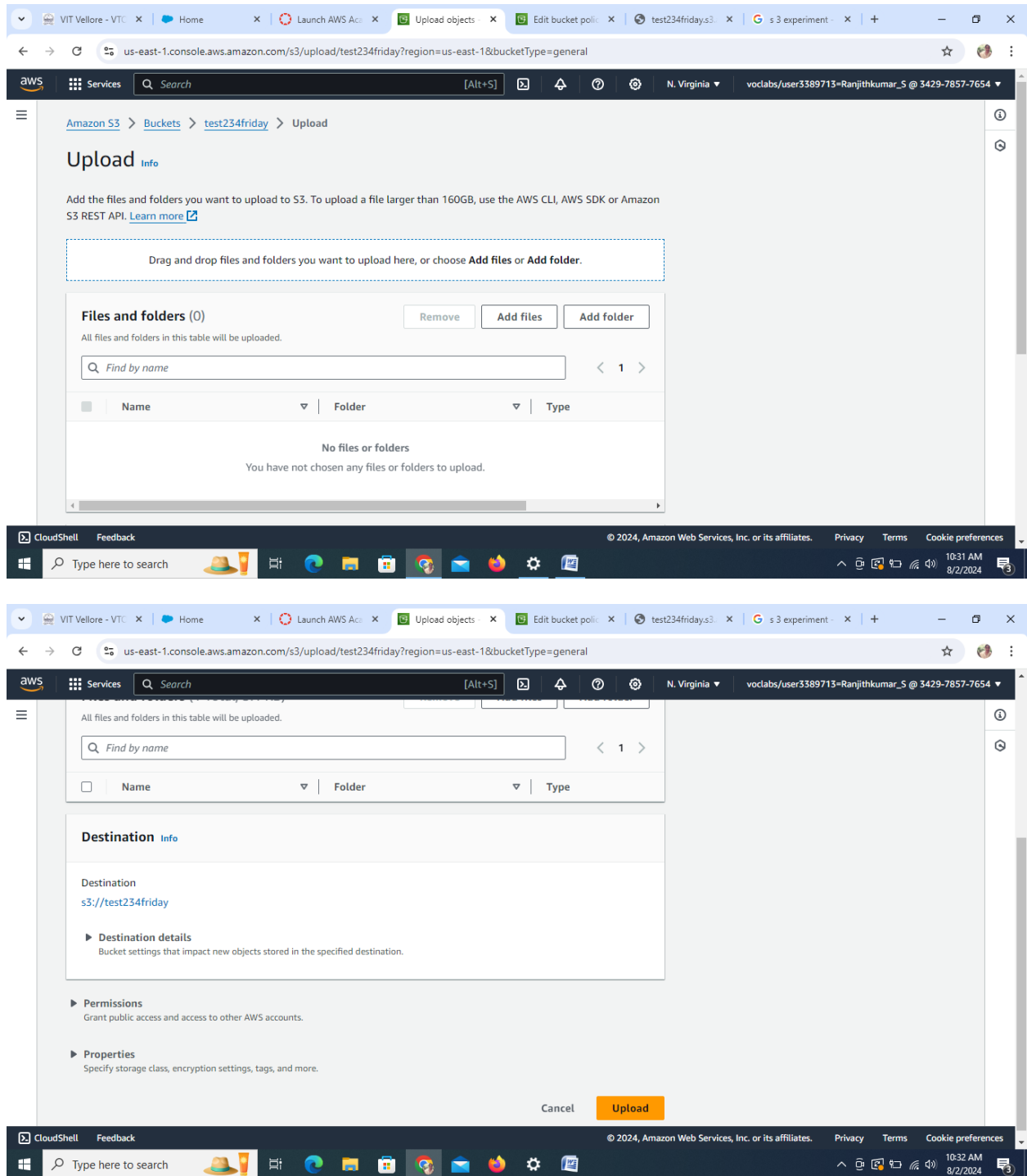
Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more

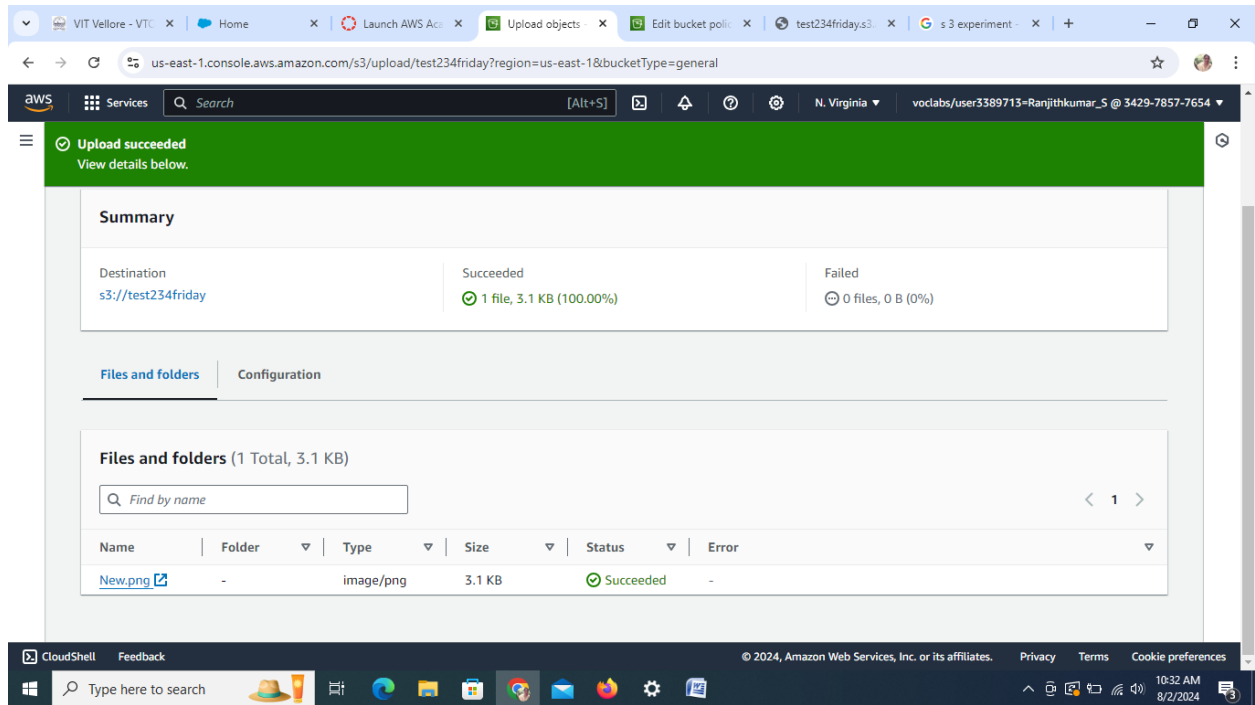
Find objects by prefix

	Name	Type	Last modified	Size	Storage class
No objects					
You don't have any objects in this bucket.					

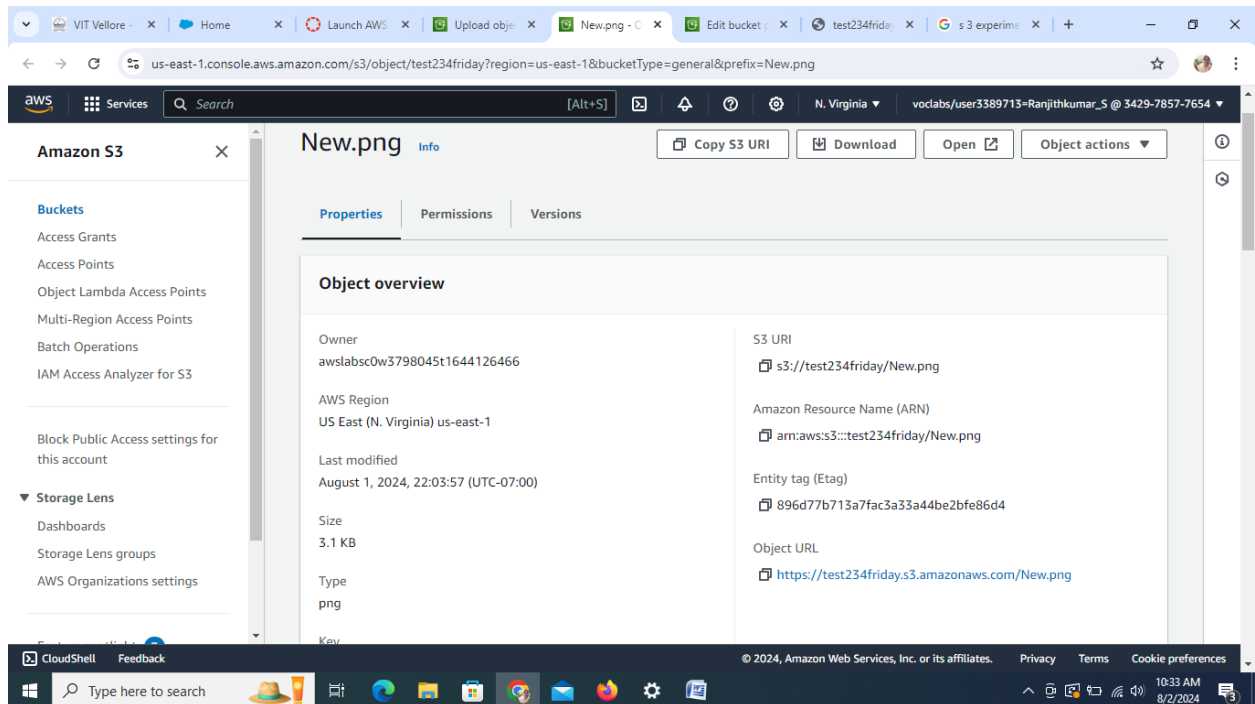
Upload



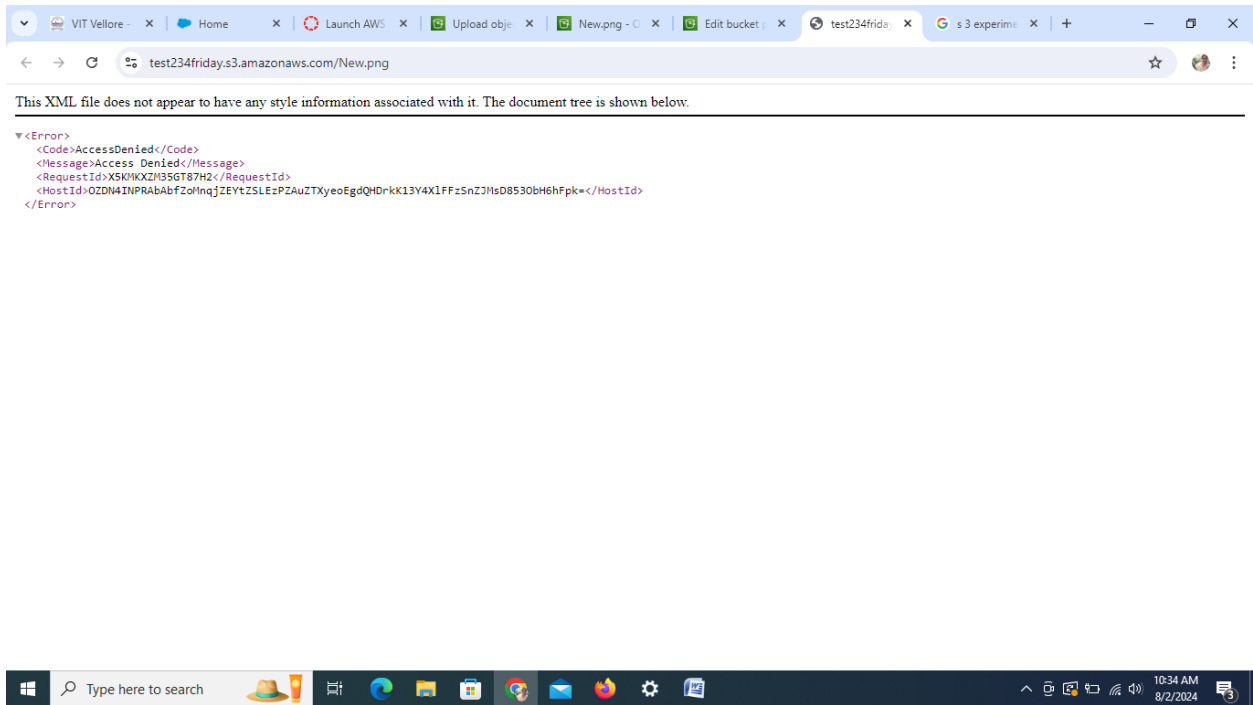
Step 9: Click the Object Uploaded



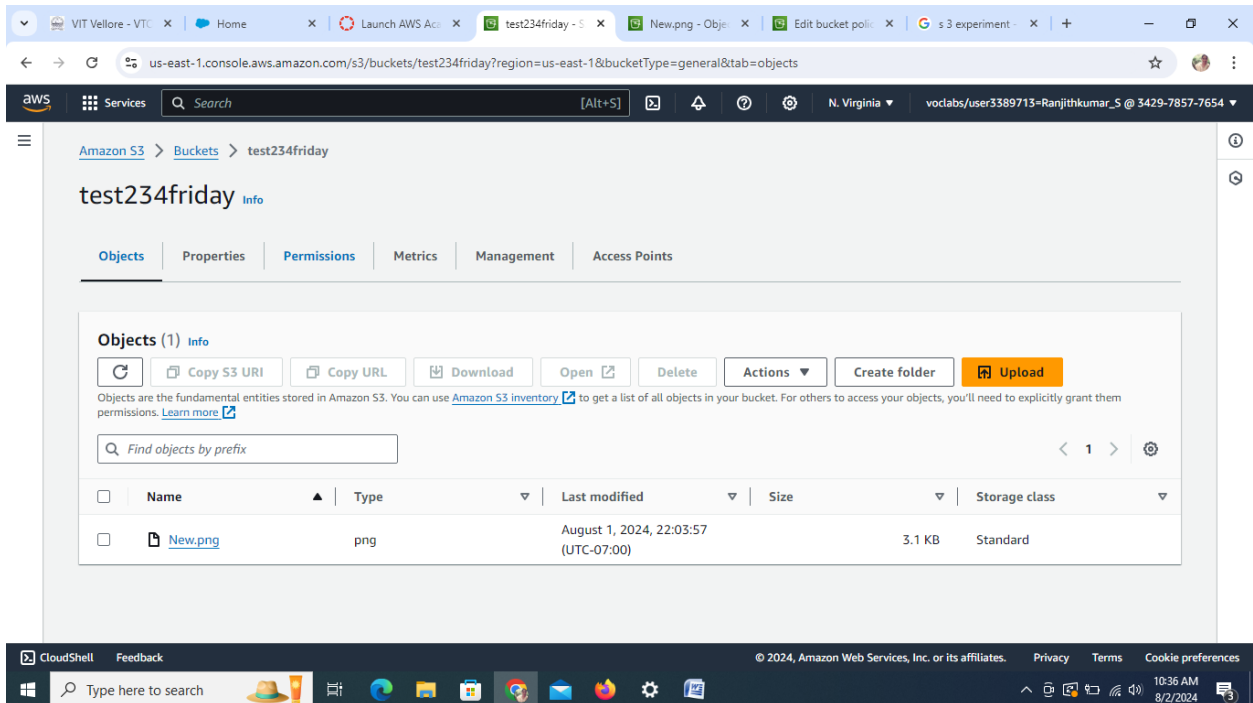
Step 10: Find the Object URL, Copy it



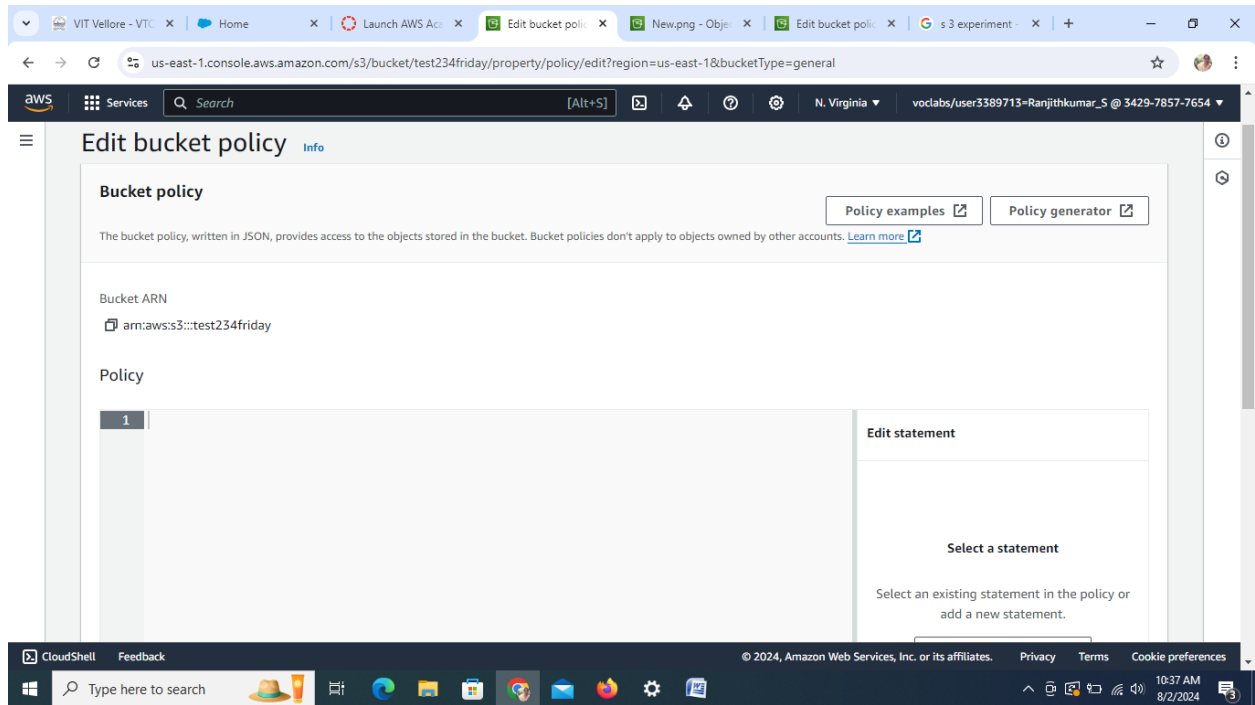
Step 10: Paste the URL in New Tab of Browser, It gives you access denied because object are private.



Step 11: We can edit the Bucket permission in the S3 Object Permission settings



Step 11: Under the Permission Tab, Go to Bucket Policy Editor, click edit



A blank **Bucket policy editor** is displayed.

Copy the **ARN** of your bucket to the clipboard.

- e.g, arn:aws:s3:::s3bucket180

Replace your bucket ARN with the ARN listed in the JSON below, then copy the entire policy.

```
{
```

```
"Id": "Policy1",
```

```
"Version": "2012-10-17",
```

```
"Statement": [
```



```
{  
  
  "Sid": "Stmt1",  
  
  "Action": ["s3:GetObject"],  
  
    "Effect": "Allow",  
  
  "Resource": "replace-this-string-from-your-bucket-arn/*",  
  
  "Principal": "*"
}
```

```
]
```

```
}
```

Click Save

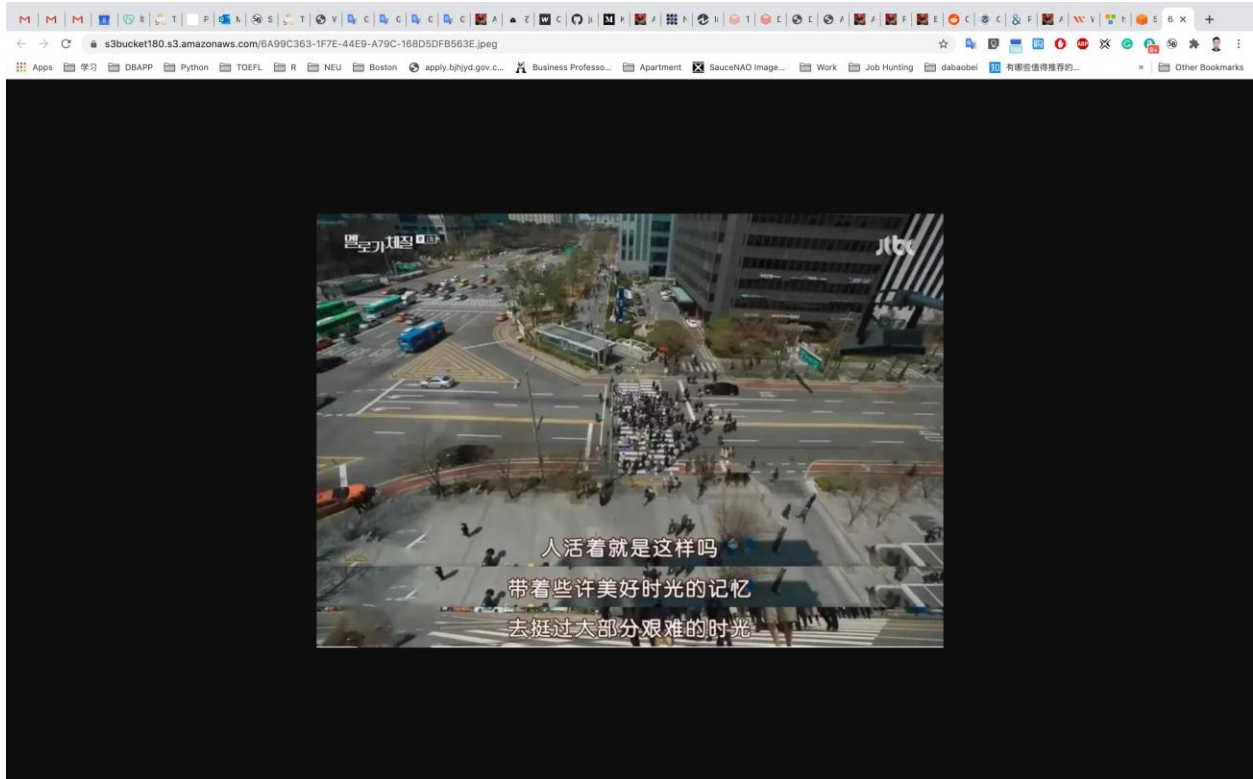
Step 12: **Test Public Access**

Go back to your bucket list, then click on your bucket.

Upload another file.

Leave all of the settings as default

Click on your new object, and click on the Object URL



Completion and Conclusion

1. You have successfully created a new AWS S3 Bucket.
2. You have successfully uploaded an image to the S3 bucket.
3. You have learned to change S3 object permissions.
4. You have learned how to create an S3 bucket policy.

S3 LAB 2:

How to enable versioning Amazon S3

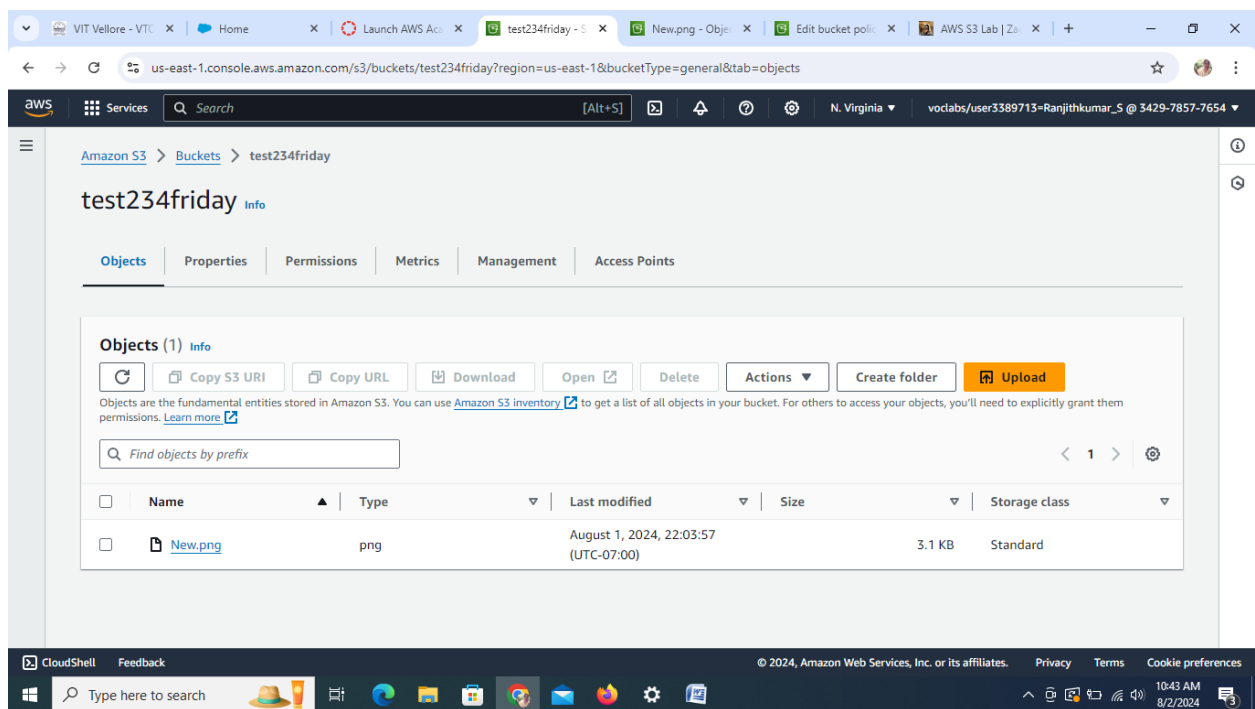
1. This lab walks you through the steps on how to enables versioning on an AWS S3 Bucket. Versioning allows you to keep multiple versions of an object in one bucket.

Task Details

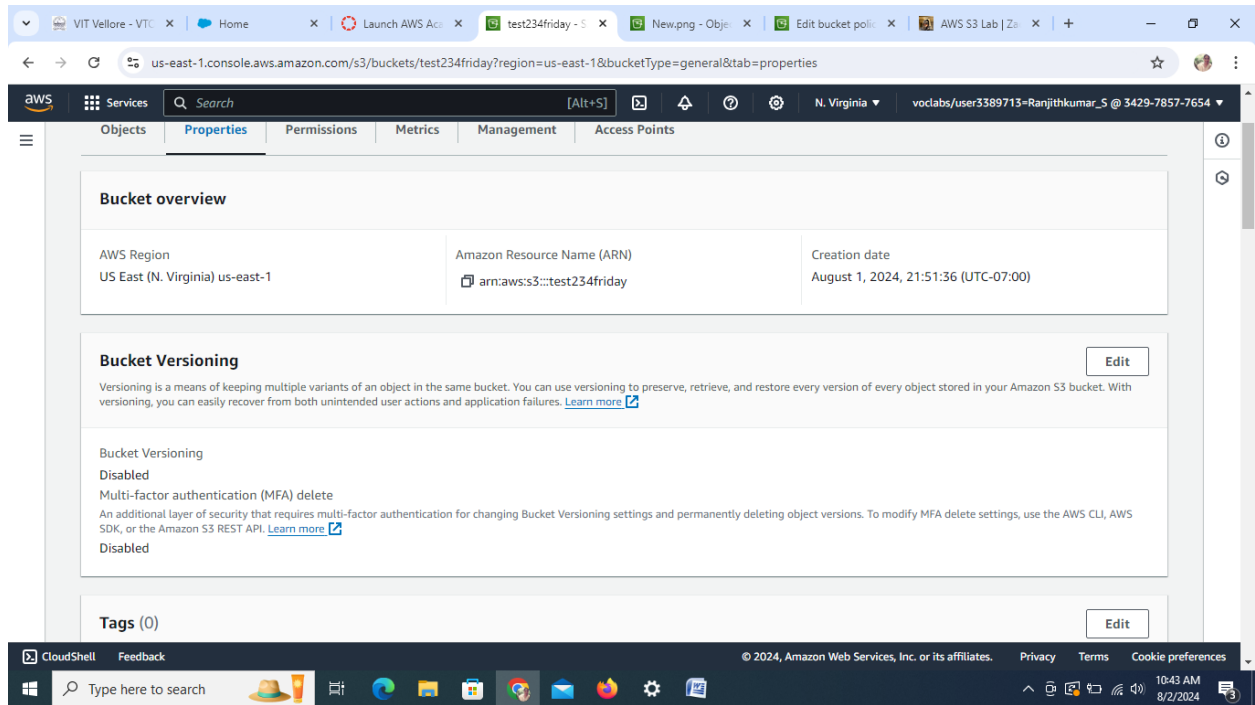
1. Log into the AWS Management Console.
2. Create an S3 bucket.
3. Enable object versioning on the bucket.
4. Upload a text file to the S3 Bucket.
5. Test object versioning by changing the text file and re-uploading it.

Enable Versioning on the S3 bucket

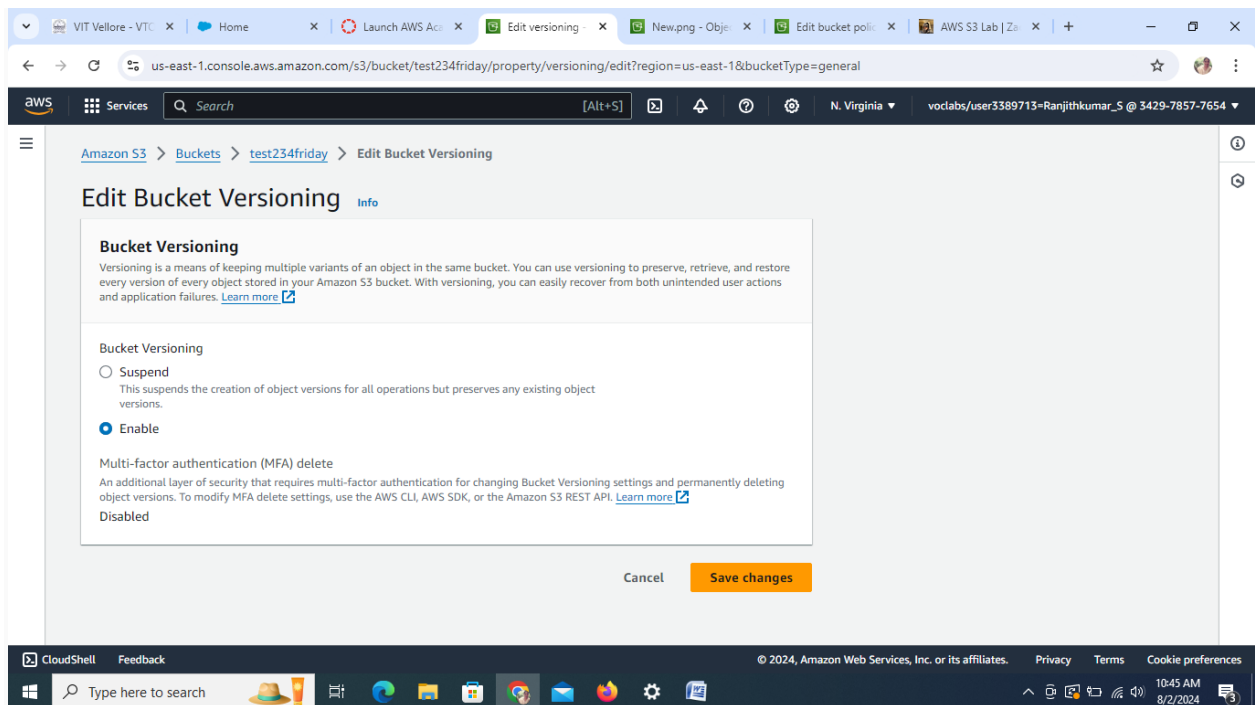
Go to the bucket list and click on your bucket name



Click on Properties.



Edit Bucket Versioning and Enable it



Now versioning on the S3 bucket is enabled.

Upload an object

Upload any file from your local machine.
On the S3 Buck list page, Click on youBucketName.
Click on Overview tab.
Click on the Upload button.

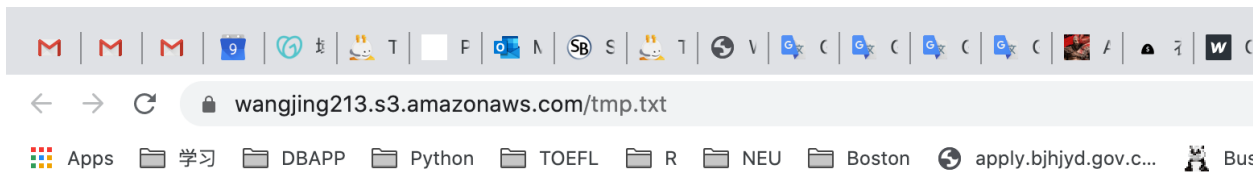
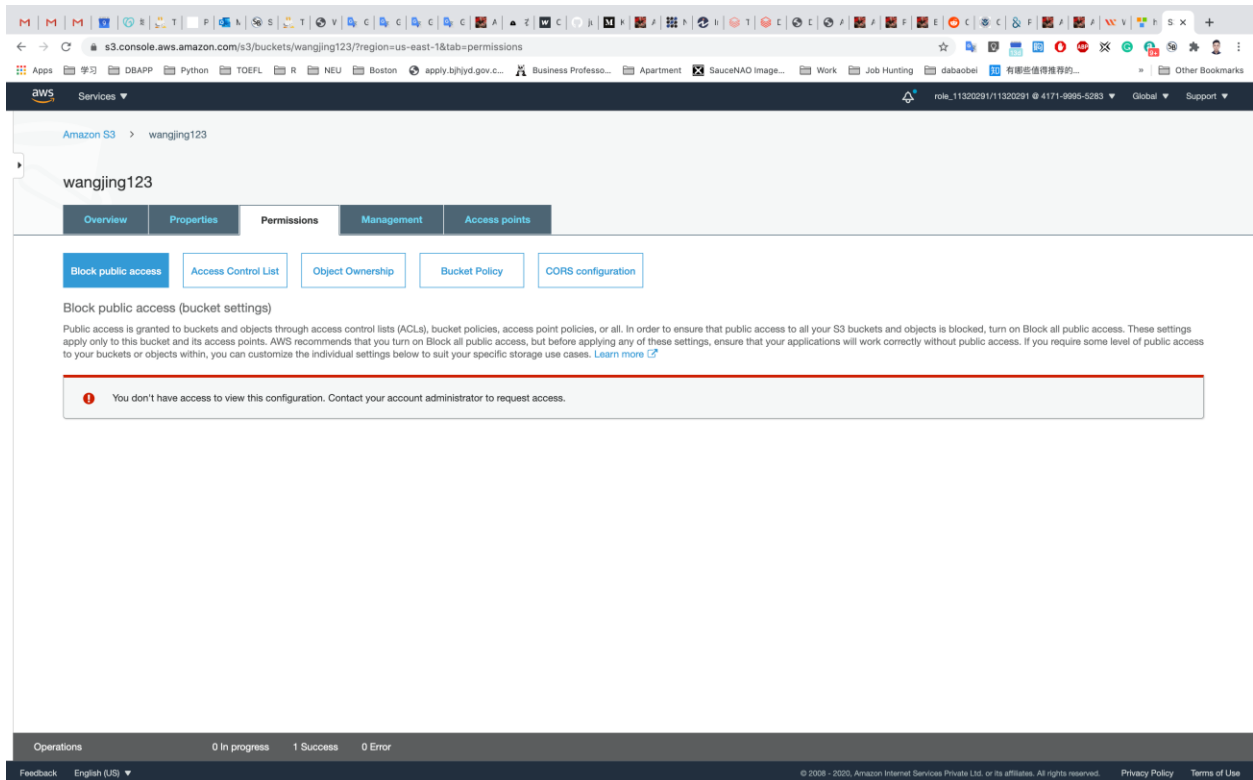
Click on Next and Grant public read access to this project(s)

Click on the Upload button.

You can watch the progress of the upload from within the transfer panel at the bottom of the screen. If it's a small file, you might not see the transfer. Once your file has been uploaded, it will be displayed in the bucket.

Click the `Permissions` tab to configure your bucket:

- In the `Permissions` tab, click on `Bucket Polity`
- A blank **Bucket policy editor** is displayed.
- 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. its look like **ARN: arn:aws:s3:::your-bucket-name**



```
11111111
11111111
11111111
11111111
```

Upload the same object with different content

Upload the same file with different content from your local machine.

On the S3 Buck list page, Click on youBucketName

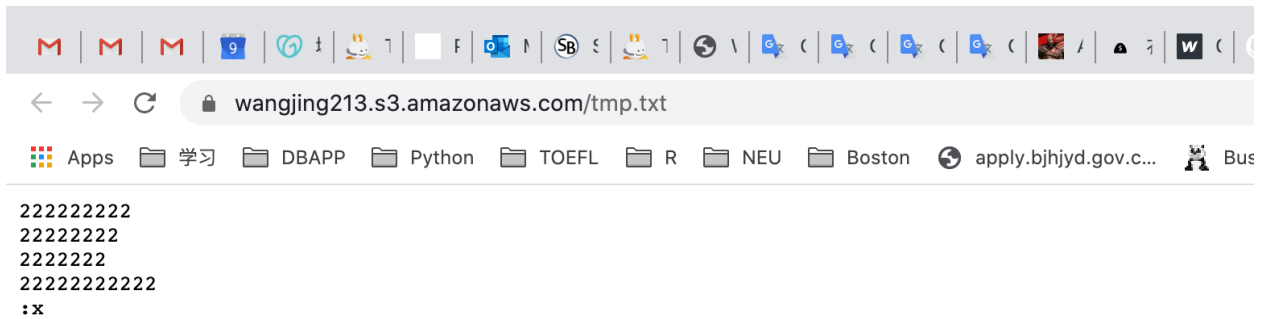
Click on Overview tab.

Click on the Upload button.

You should see the latest version of the file you uploaded.

The screenshot shows the AWS S3 console interface. The breadcrumb navigation indicates the path: Amazon S3 > wangjing213. The bucket name 'wangjing213' is displayed prominently. Below the bucket name, there are tabs for Overview, Properties, Permissions, Management, and Access points. The 'Overview' tab is selected. A search bar is present with the placeholder text 'Type a prefix and press Enter to search. Press ESC to clear.' Below the search bar, there are buttons for Upload, Create folder, Download, and Actions. To the right of these buttons, there are links for Versions, Hide, and Show. The region is set to US East (N. Virginia). A table displays the contents of the bucket, showing one file named 'tmp.txt' with a last modified date of 'Oct 9, 2020 11:48:47 AM GMT-0700', a size of '42.0 B', and a storage class of 'Standard'. The table has columns for Name, Last modified, Size, and Storage class. At the bottom of the console, there is a status bar showing 'Operations' with '0 In progress', '1 Success', and '0 Error'. The footer includes 'Feedback', 'English (US)', and copyright information for Amazon Internet Services Private Ltd.

Name	Last modified	Size	Storage class
tmp.txt	Oct 9, 2020 11:48:47 AM GMT-0700	42.0 B	Standard



Testing a previous version of the file

To enable the old version of the file, we need to delete the latest version of the file.

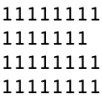
Click on object URL

Click on the file name.

On the top section (next to the object name) you can find a drop down of all file versions called Latest version

Click on the drop down and delete the latest version of your file.

Now refresh your S3 object URL. You should see the previous version of the file you uploaded.



```
11111111
1111111
11111111
11111111
```