## Practical 2: Storage as a Service (S3) using AWS

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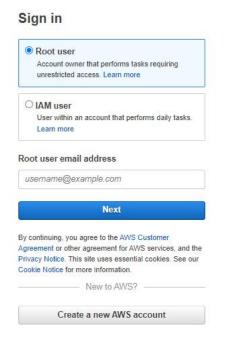
Roll No. A074

#### Steps to Create an S3 Bucket

### 1. Log in to AWS Management Console:

- o Go to AWS Management Console.
- Sign in with your credentials.







#### 2. Navigate to S3:

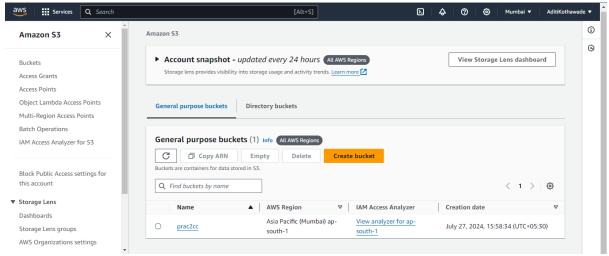
o In the AWS Management Console, search for "S3."

Click on "S3" to open the Amazon S3 dashboard.



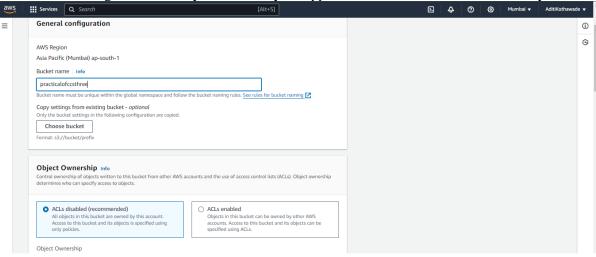
#### 3. Create a Bucket:

o Click on the "Create bucket" button.



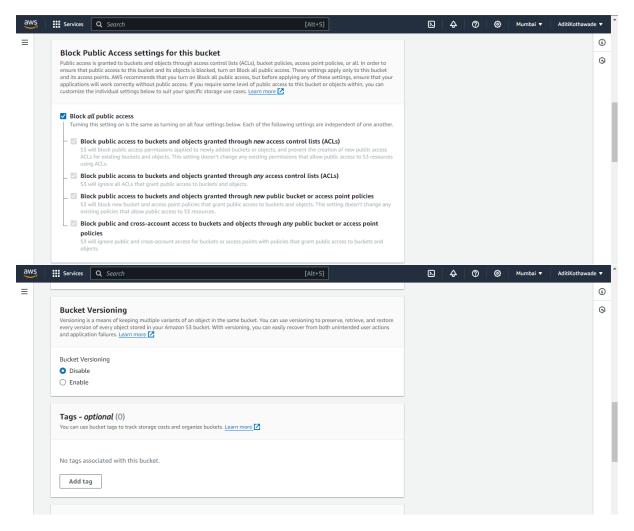
#### 4. Configure Bucket Settings:

- **Bucket Name:** Enter a unique name for your bucket (bucket names must be globally unique across all AWS users).
- **Region:** Choose the AWS region where you want to create the bucket. Select the region closest to you or where your application is hosted to minimize latency.



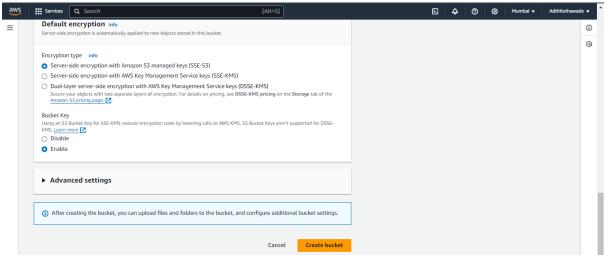
## 5. Configure Bucket Options:

- Block Public Access: By default, block all public access to keep your data private.
  You can modify this later if needed.
- **Versioning:** Enable versioning if you want to keep multiple versions of objects in the bucket.
- o **Tags:** Add any tags to categorize and manage your bucket.
- Object Lock: Enable if you need to prevent objects from being deleted or overwritten (often used for regulatory compliance).



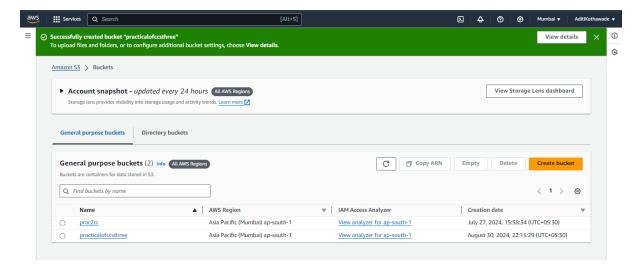
#### 6. Review and Create:

- o Review your settings to ensure everything is configured as needed.
- Click on the "Create bucket" button to finalize the creation.



#### 7. Bucket Created:

 Your S3 bucket is now created and ready to use. You'll be redirected to the bucket's overview page.



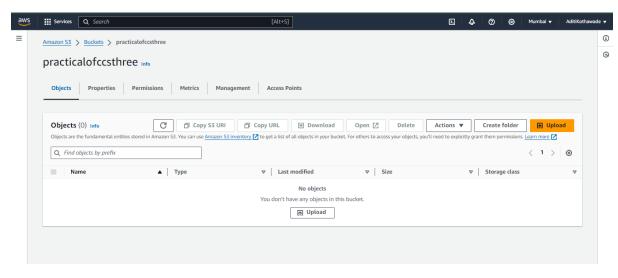
## **Uploading Files to Your S3 Bucket**

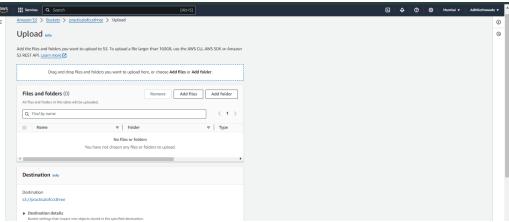
#### 1. Open Your Bucket:

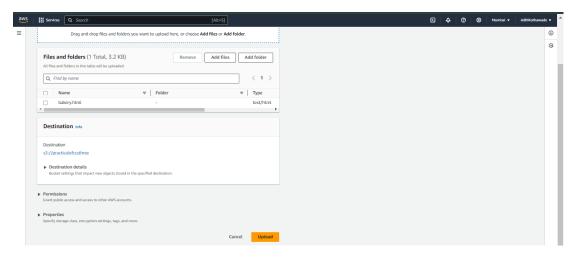
Click on your newly created bucket in the S3 dashboard.

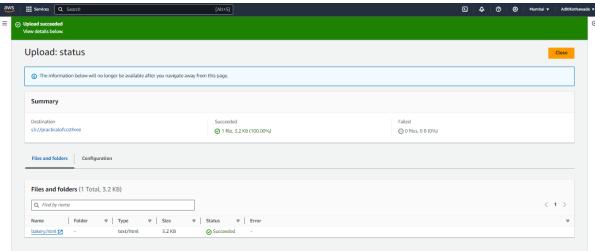
#### 2. Upload Files:

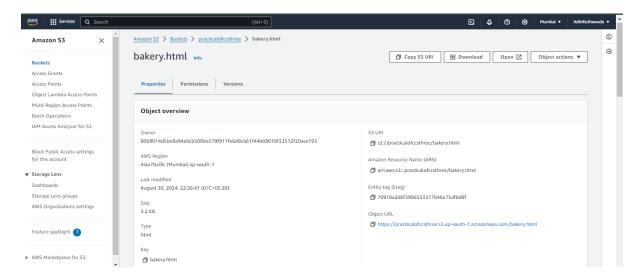
- Click on the "Upload" button.
- O Drag and drop files into the console or click "Add files" to browse your computer.
- Optionally, click "Add folder" to upload entire folders.



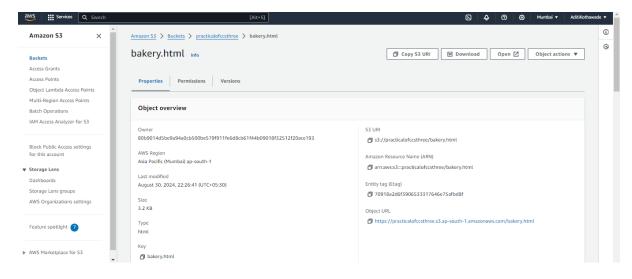


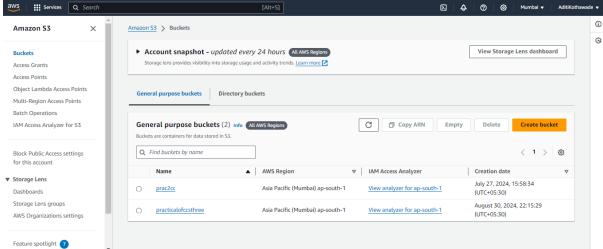




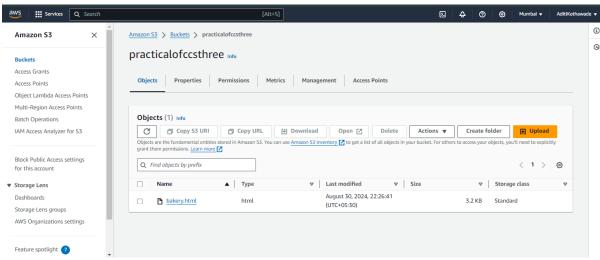


Click on buckets

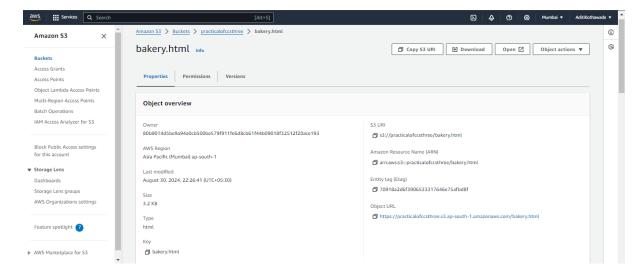




Then again open practical of cethree



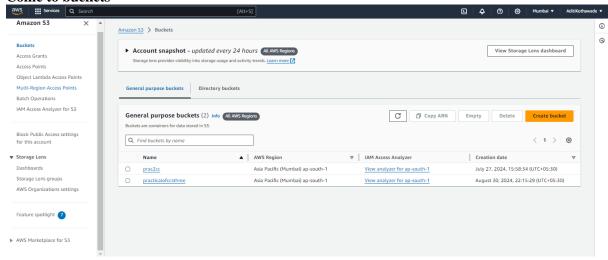
Again open it by double clicking on it



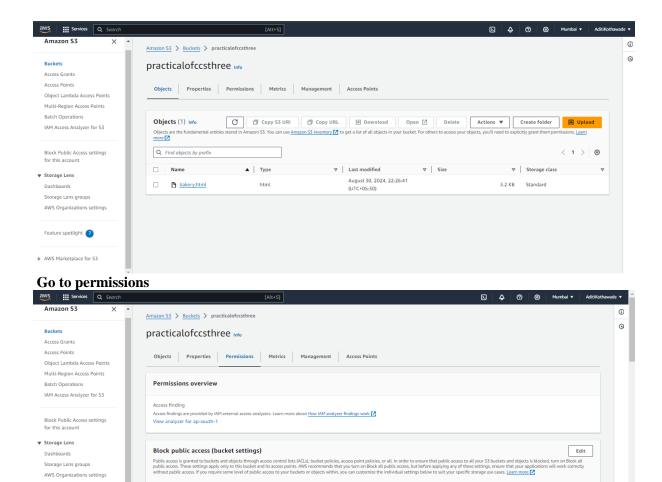
Copy the link (Object URL), paste it in new tab



#### Come to buckets



Open practical of cethree



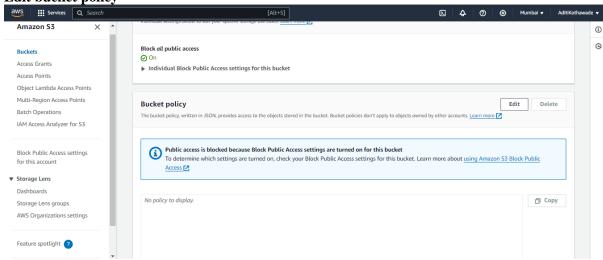
**Edit bucket policy** 

Feature spotlight 7

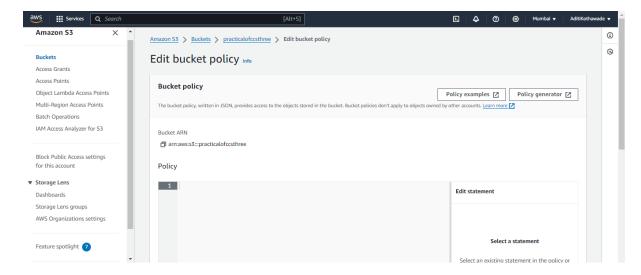
▶ AWS Marketplace for S3

Block all public access

▶ Individual Block Public Access settings for this bucket

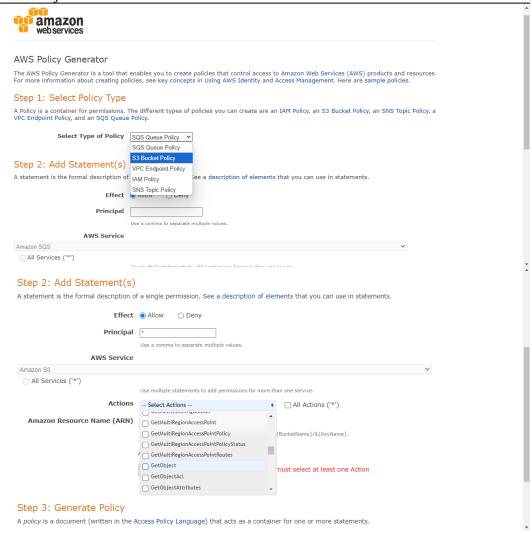


Then go to policy generator



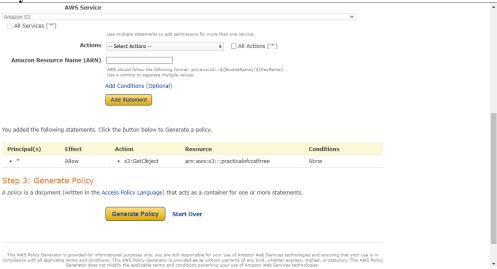
# Go to policy generator and then in select Policy Type, Bucket Policy In add statements put $\ast$

In ARN select GetObject

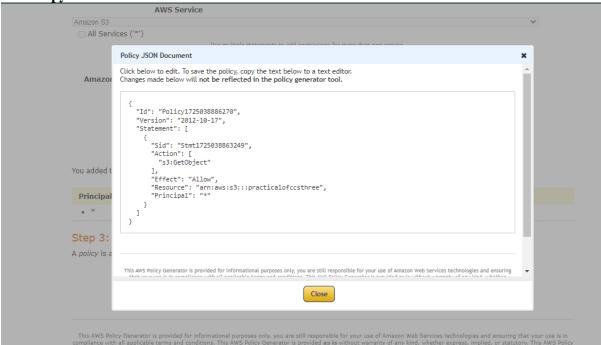




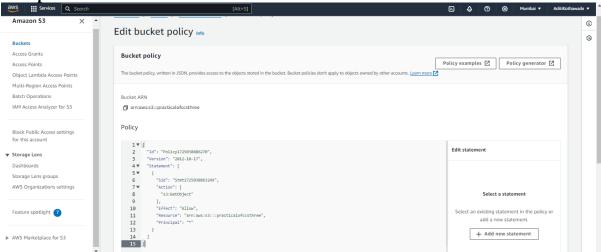
Then Add Statement, Then generate policy



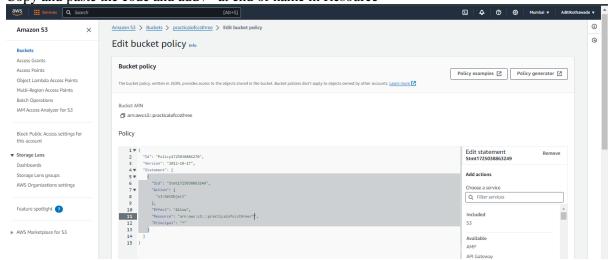
Then copy the code

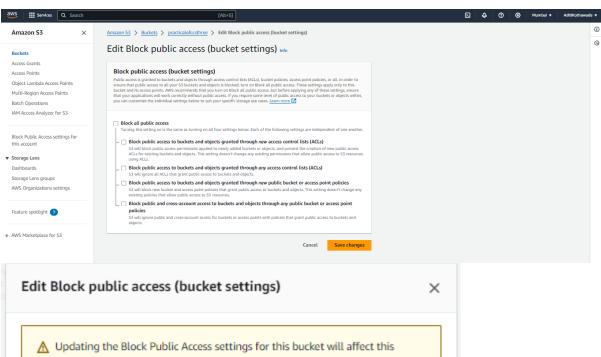


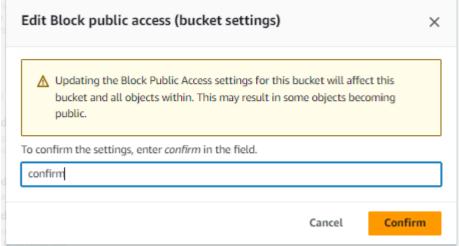
Then paste it in the tab:



Copy and paste the code and add /\* at end of name in Resource









#### For image:

The same steps are repeated by uploading the image and copying the link.

