AWS S3 Basics

Course Objectives

In this course, we are going to focus on six learning objectives:

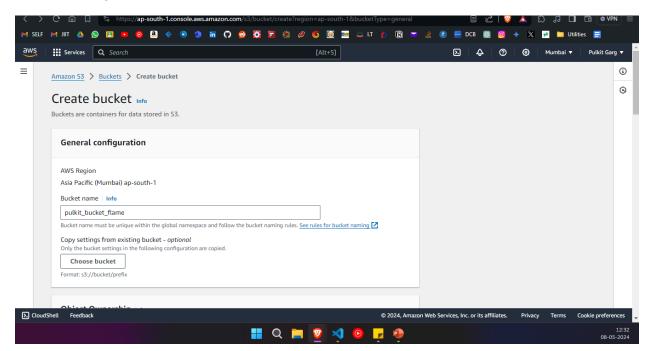
- 1. Create your First S3 Bucket
- 2. Upload Content to Bucket and Manage their Access
- 3. Understand S3 Encryption and enable it for S3 Bucket
- 4. Enable Versioning on S3 Bucket
- 5. Understand S3 Storage classes and Create Lifecycle Rule for objects in AWS S3
- 6. Create Static Website using AWS S3

S3 - simple storage service

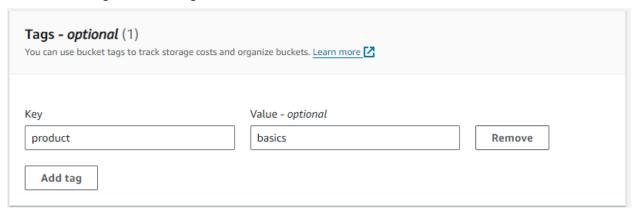
Link to file - https://pulkitscottflame.s3.amazonaws.com/Text/test_2.txt Link to static website - https://pulkitslameweb.s3-website-us-east-1.amazonaws.com

1. Create bucket

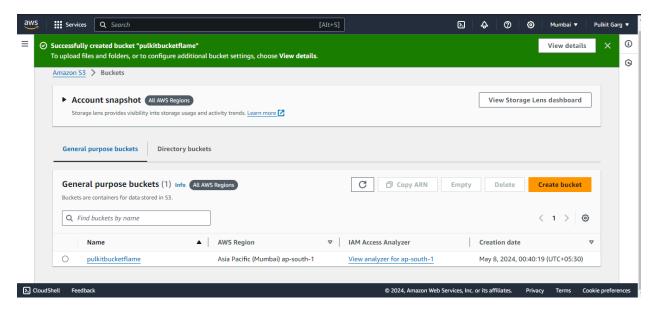
a. Creating bucket



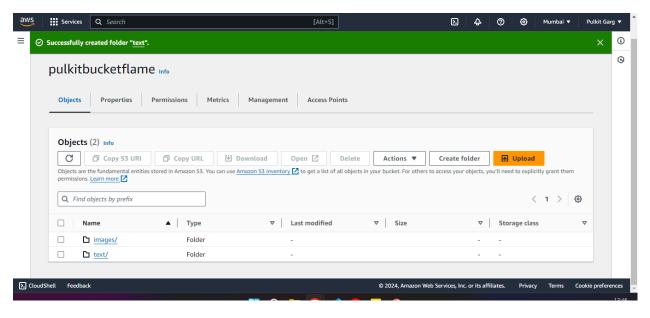
b. Add tag to track storage cost



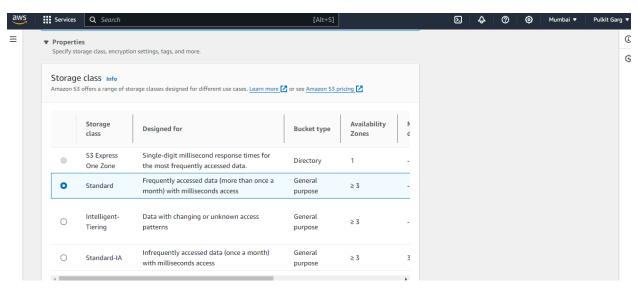
c. Successfully created bucket



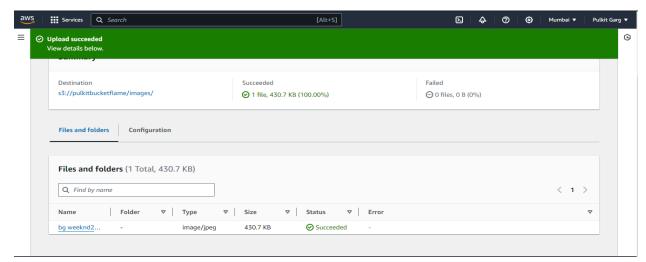
- 2. Upload Object to S3 and Manage Access using bucket Policies and ACLs
 - a. Create folders



b. Choose storage class



c. Uploaded successfully



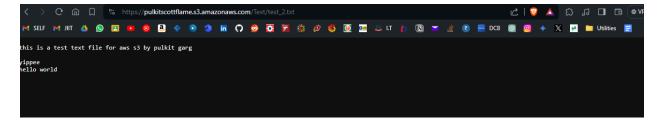
d. Public access is denied right now



e. Change bucket permission for allowing access to the public.



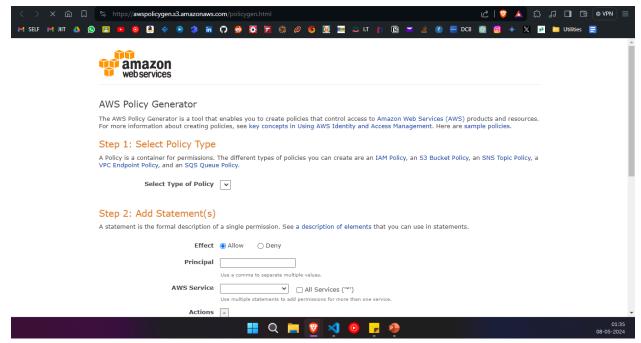
f. File is accessible now



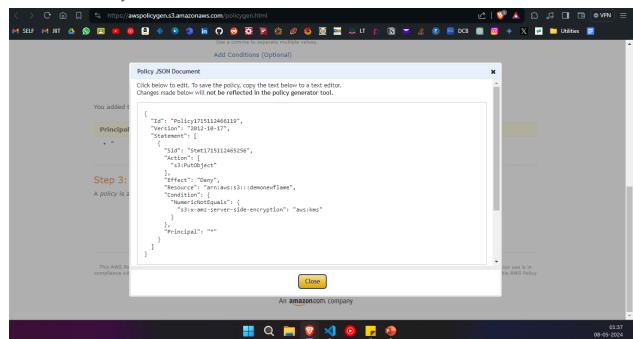
Link to file - https://pulkitscottflame.s3.amazonaws.com/Text/test 2.txt

3. S3 Encryption and Bucket Policy

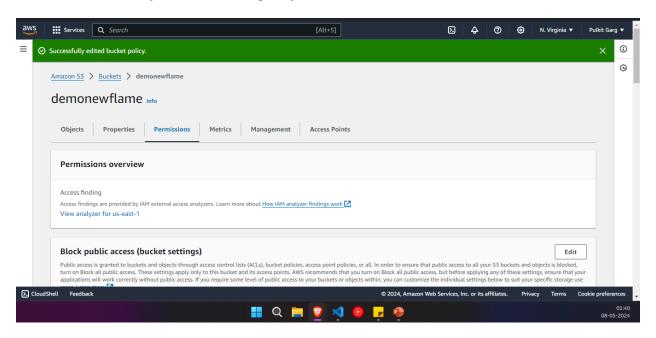
a. Generate policy under permissions > policy



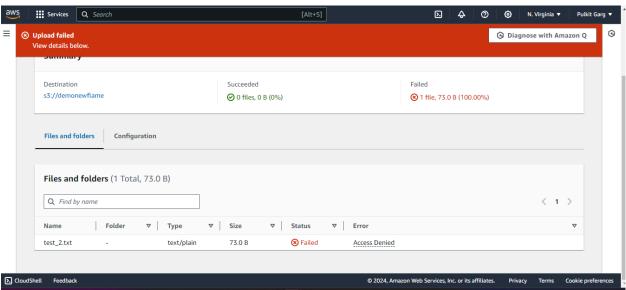
b. Policy JSON Document



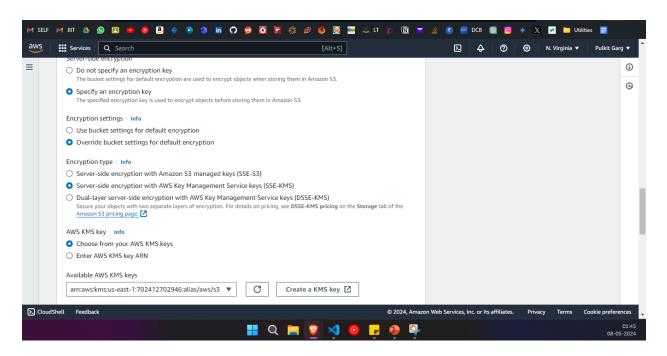
c. Successfully created bucket policy



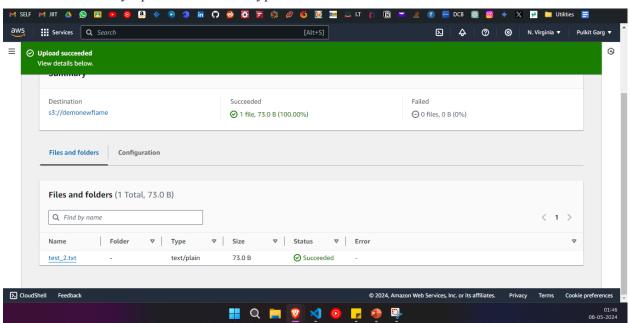
d. Upload failed for un-encrypted object



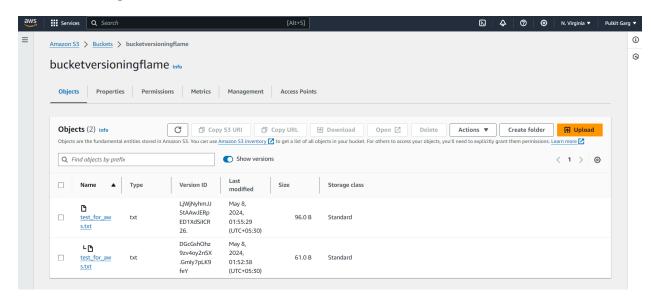
e. Giving encryption



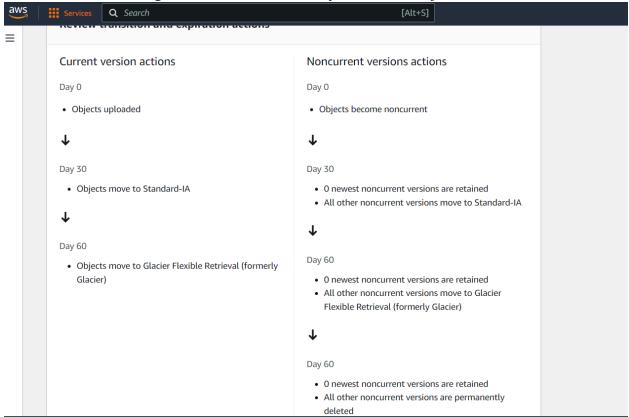
f. Successfully uploaded after encryption

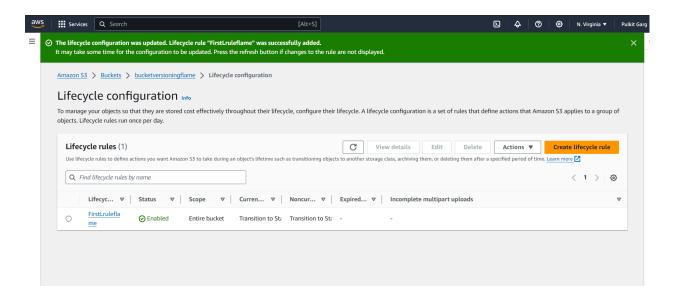


4. S3 versioning



5. Understand S3 Storage classes and Create Lifecycle Rule for objects in AWS S3

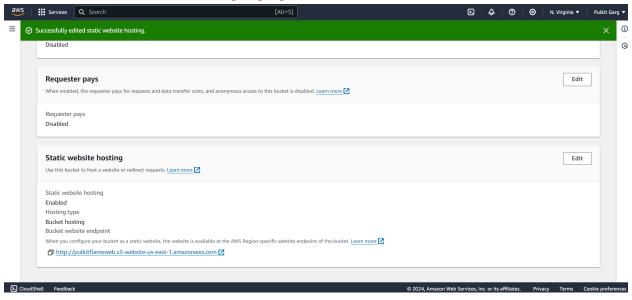






6. Create Static Website using S3

a. Enable static website hosting in properties



b. Apply bucket policy

http://pulkitflameweb.s3-website-us-east-1.amazonaws.com

