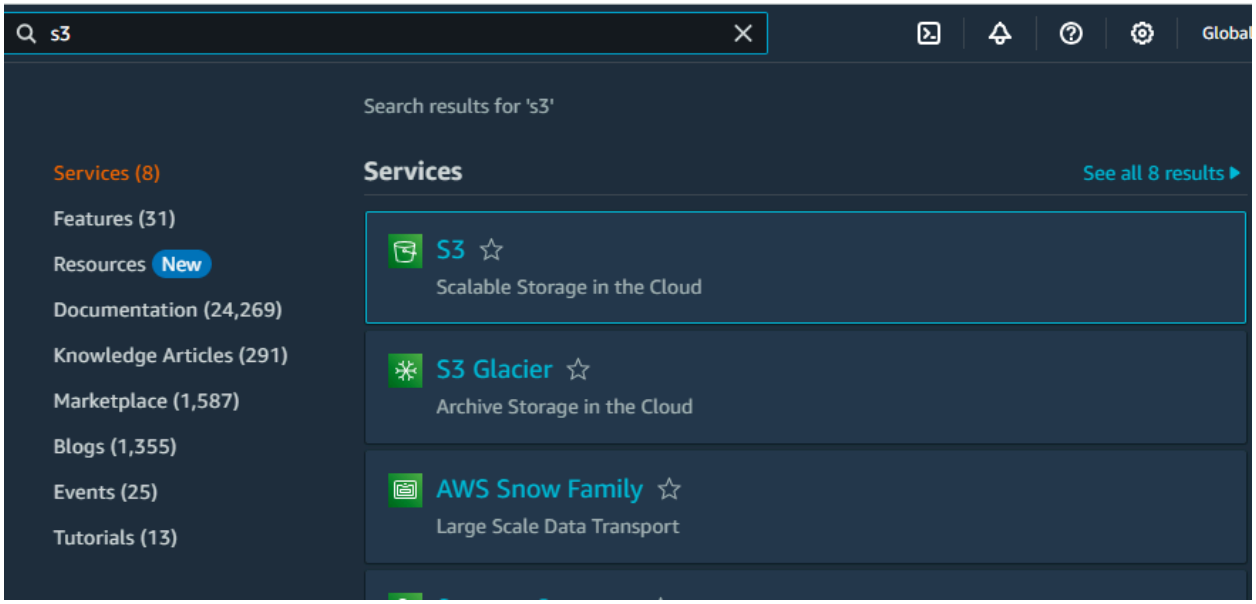
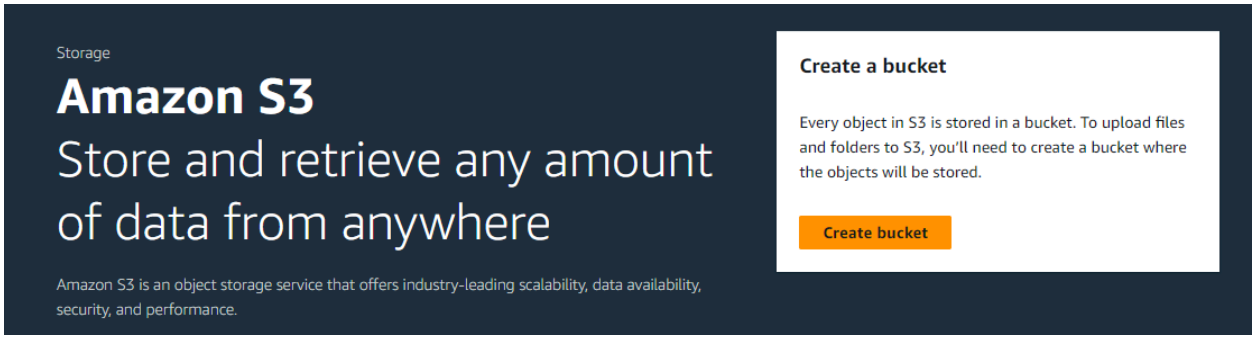
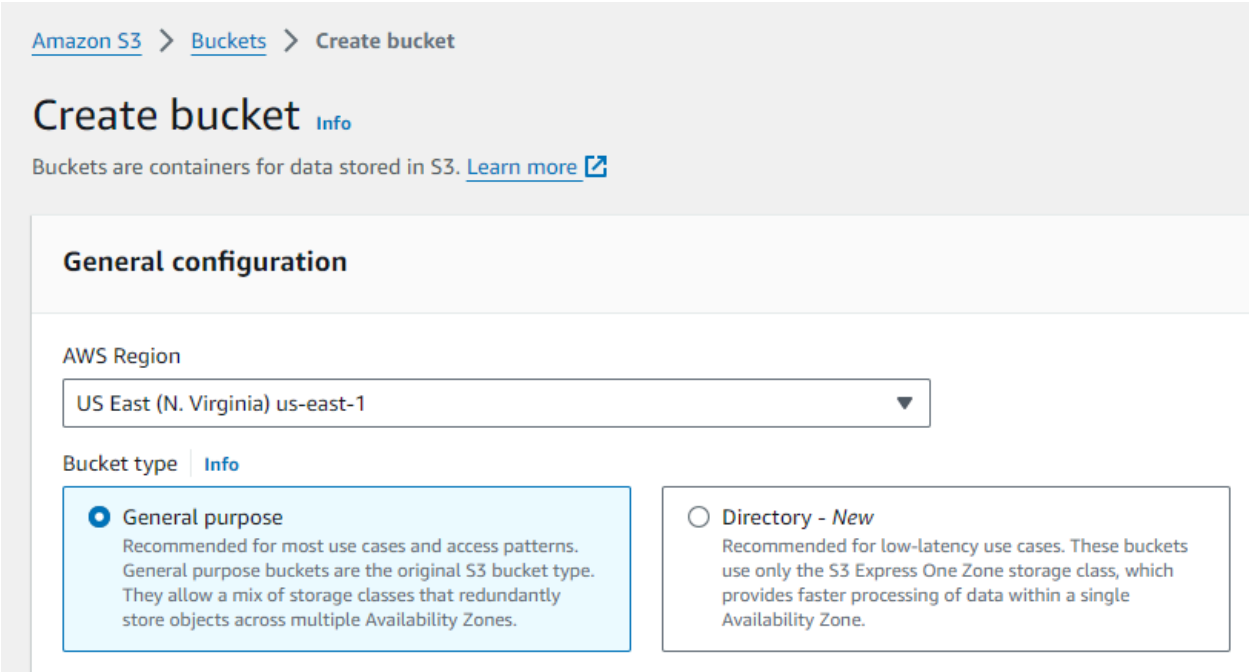
Search for S3 in AWS services.



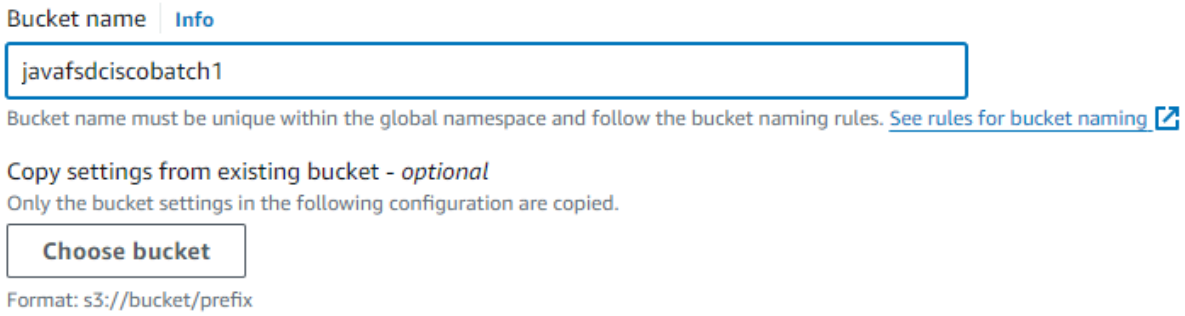
Click on S3



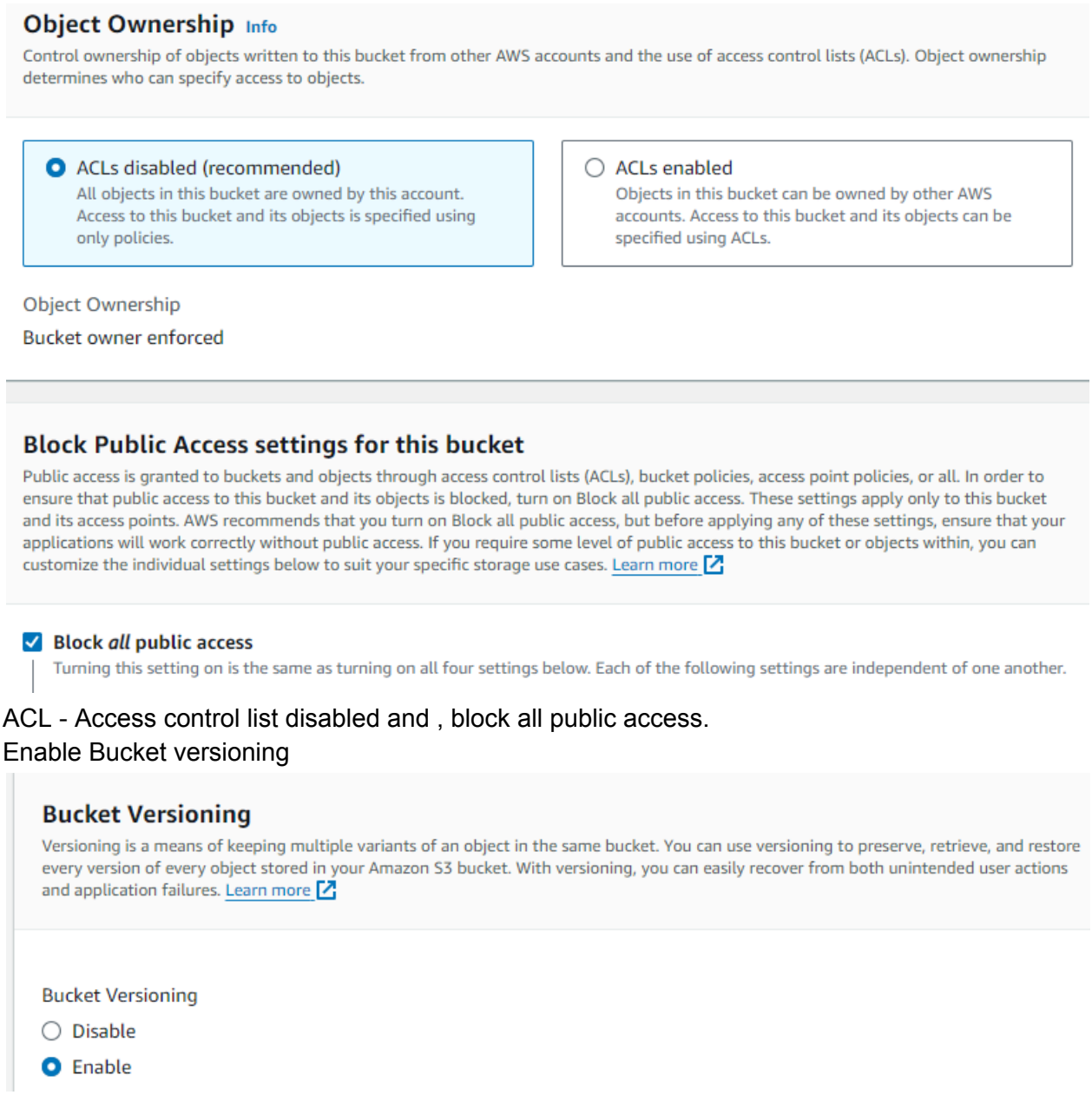
Click on create Bucket



Select us-east-1 region and General purpose bucket type
Give Unique name to your s3 bucket

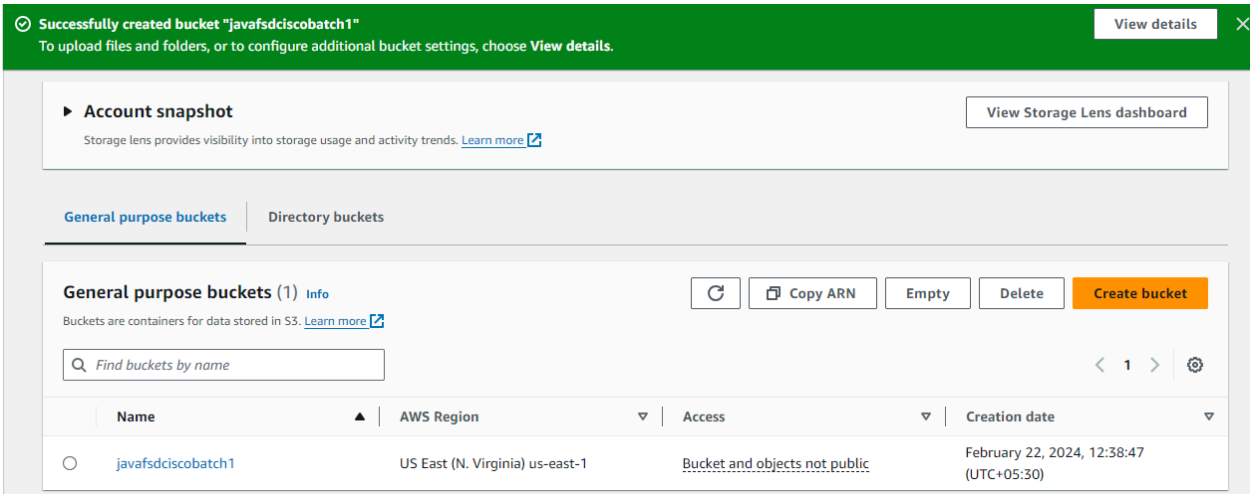


If you want to copy some existing bucket to this bucket then from that dropdown select the existing bucket.

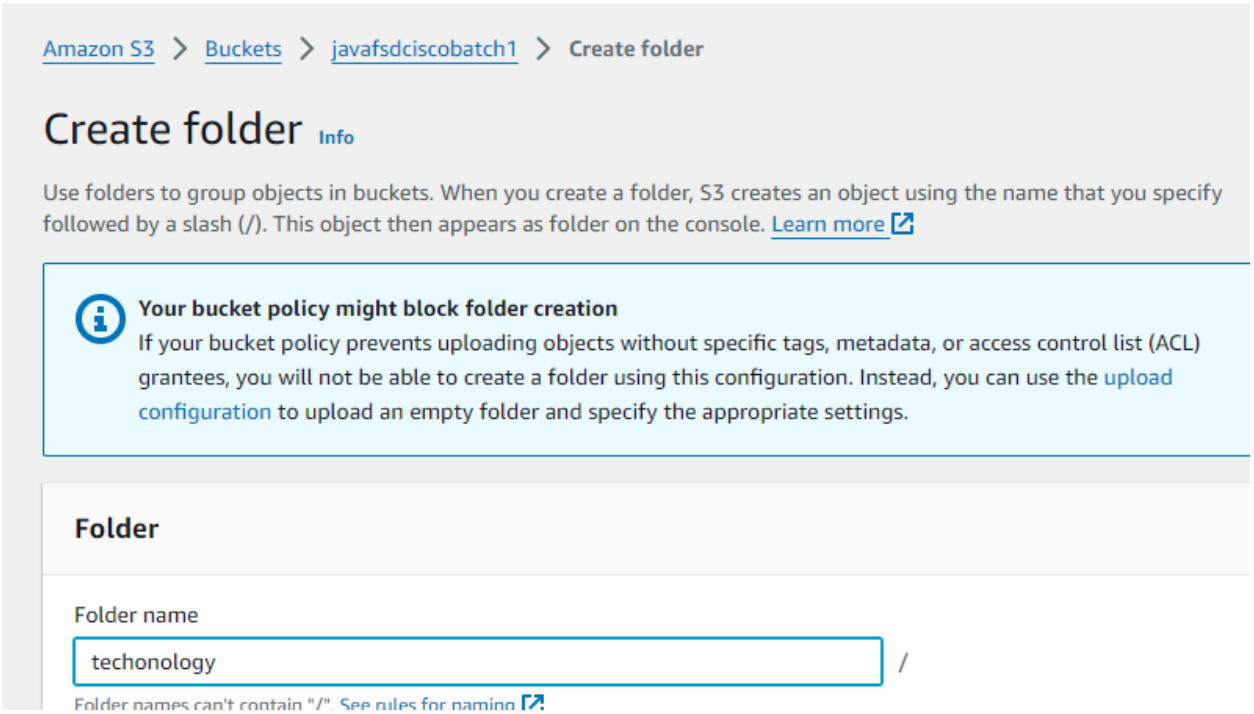


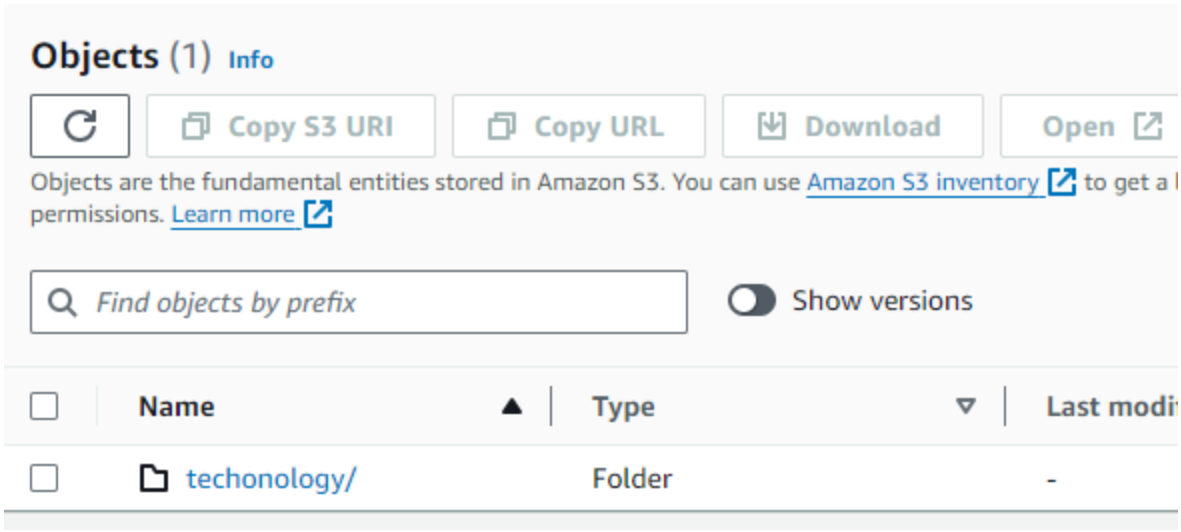
ACL - Access control list disabled and , block all public access.
Enable Bucket versioning

Tags are optional so you can leave it and also Continue with this default encryption.
Click on create bucket button.

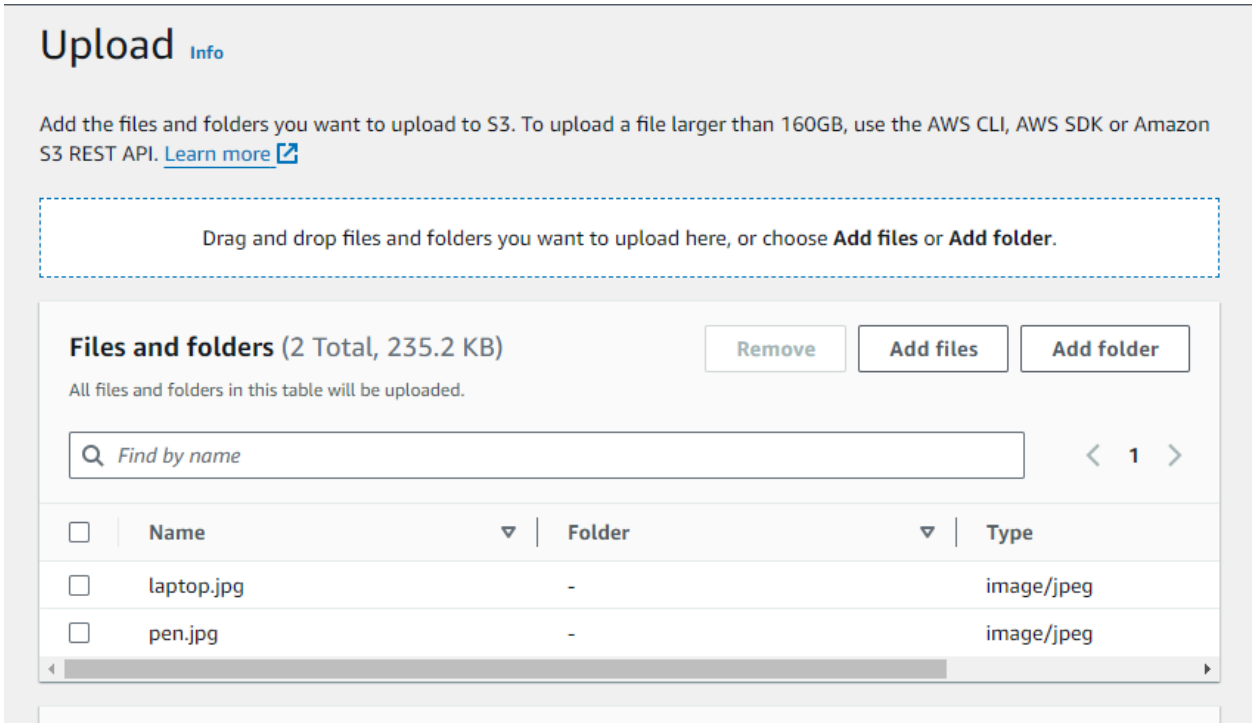


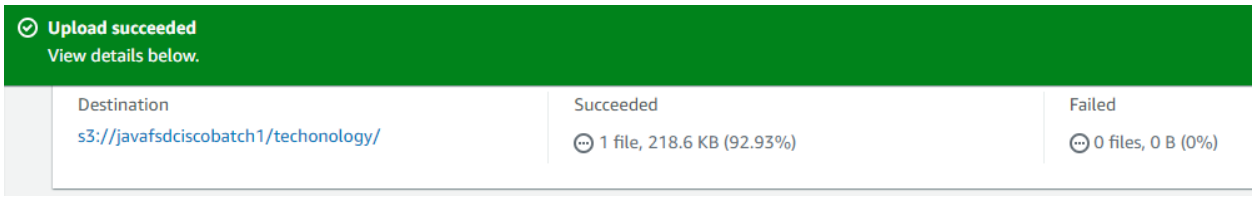
Click on the bucket and see the bucket security, details and objects etc..
Click on create folder and create folder named technologies.



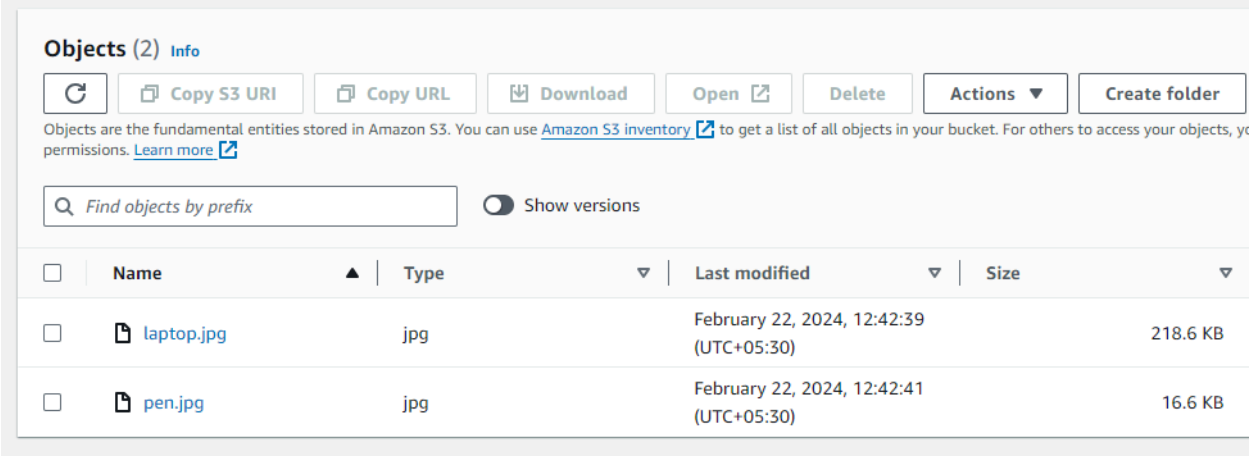


Click on technology and add some files to it.
Click on upload and select multiple files or folder as per requirement.

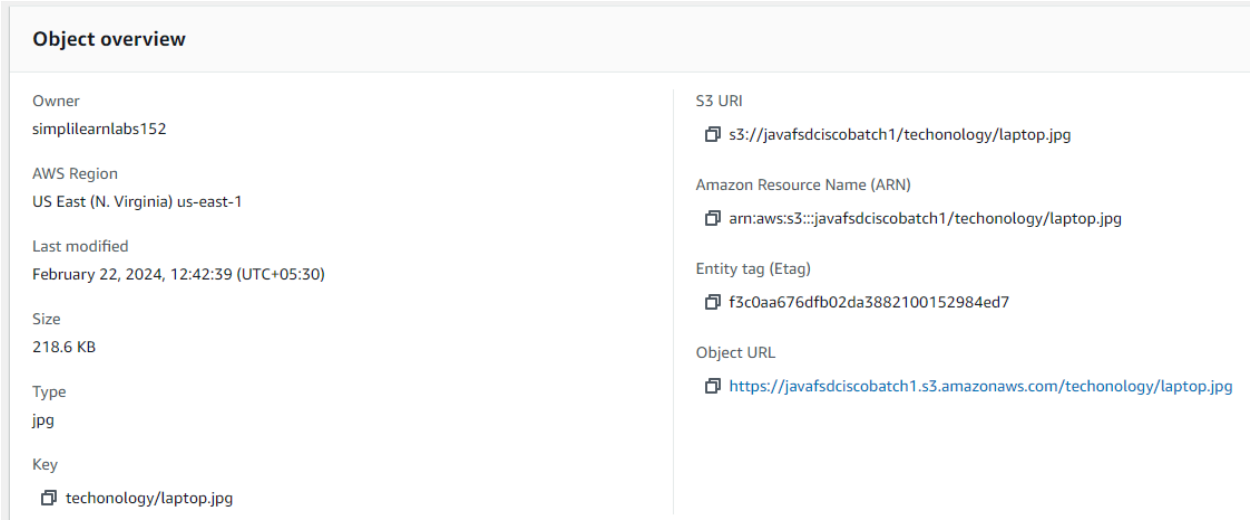




See uploaded objects.



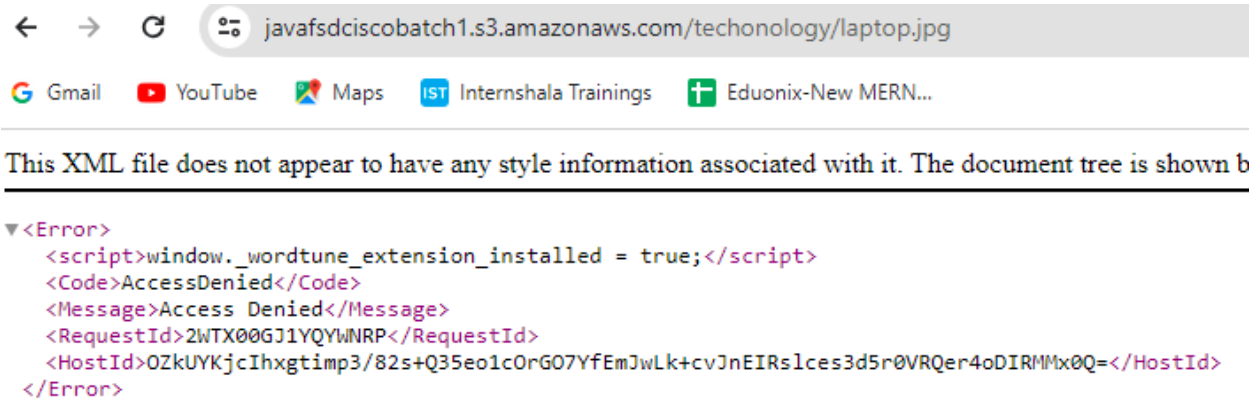
Click on any object and check object details.



You can see the link generated for Object in Object URL
https://javafsdciscobatch1.s3.amazonaws.com/techonology/laptop.jpg

Here javafsdciscobatch1 is bucket name
/tochnology/laptop.jpg is the folder name and filename

If you try to access that link the access denied error you can see in browser.

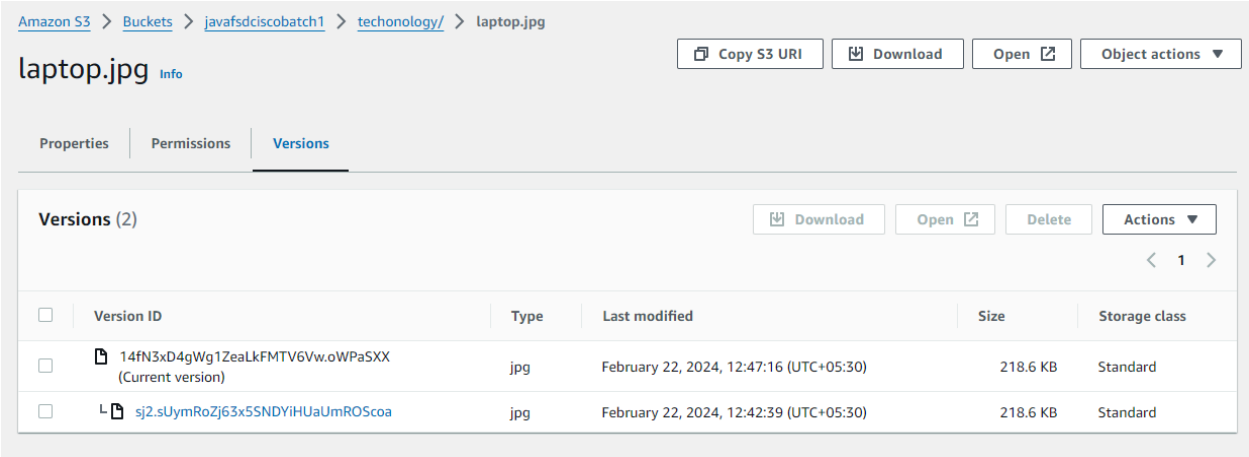


Let's understand Versioning.

In your technology folder upload the same laptop image again, its not going give you any error like the same file existing but it's just uploaded.

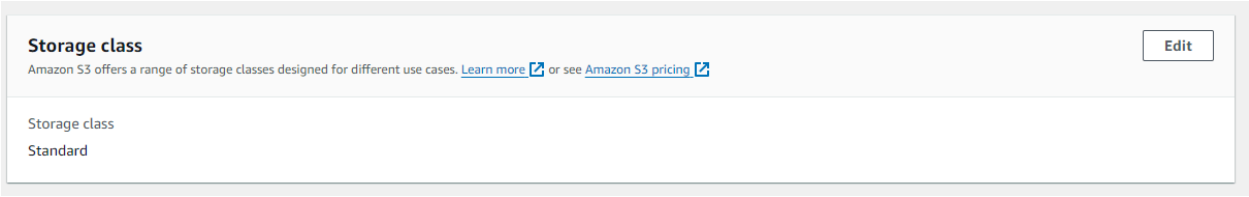
.

Click on image uploaded and click on version tab and you can see 2 versions of your file.

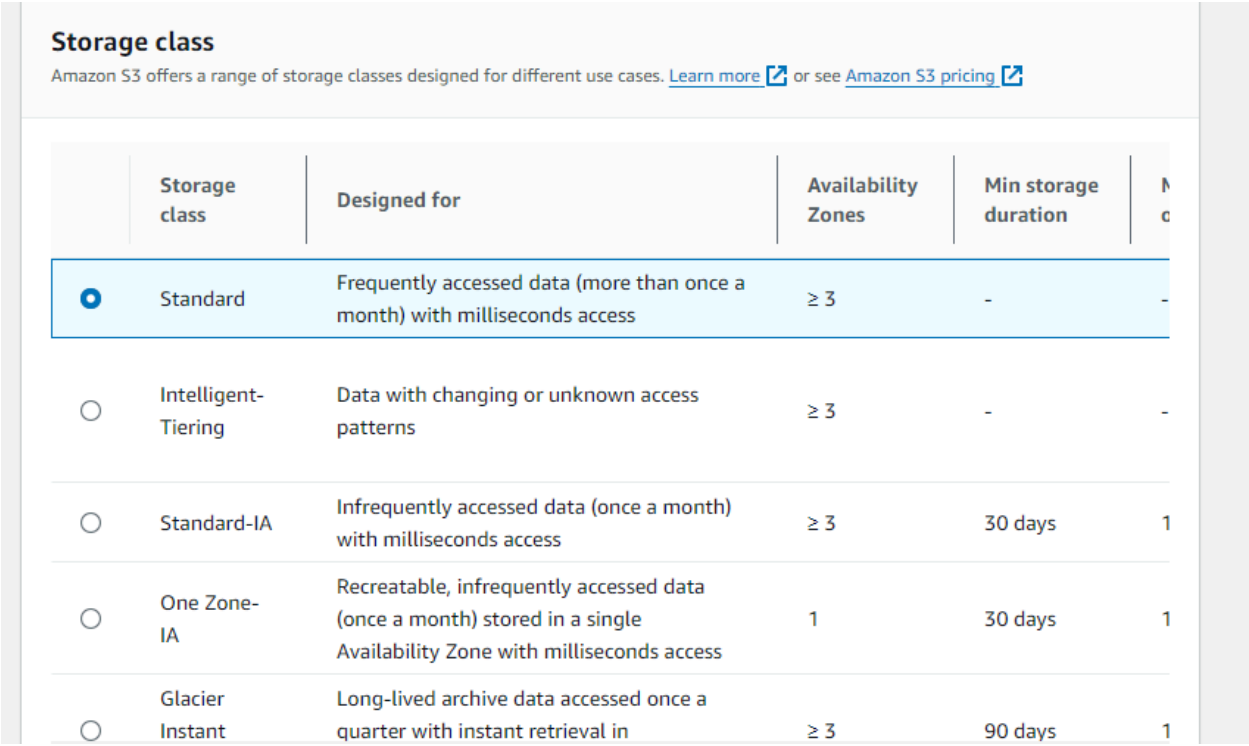


If you want use old version file or download old version file is possible here.

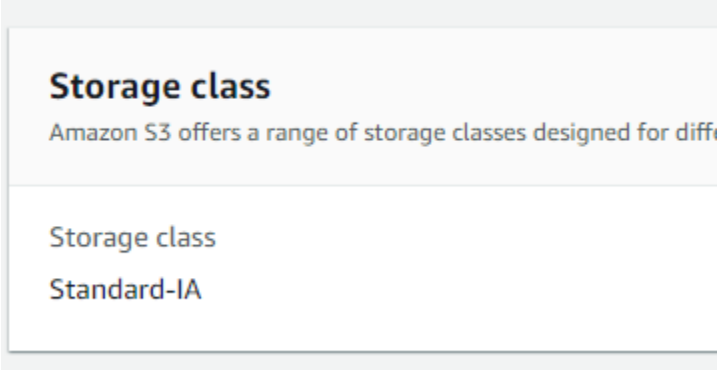
To See or change Storage Object Type use below options.
Click on object in properties scroll down.



Click on edit.
Check different storages.



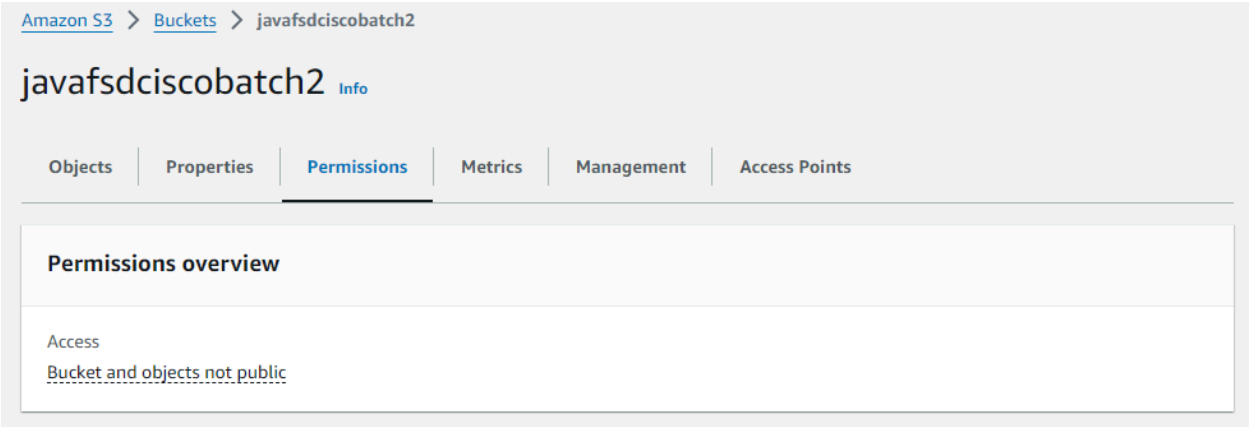
Select which you want to apply.

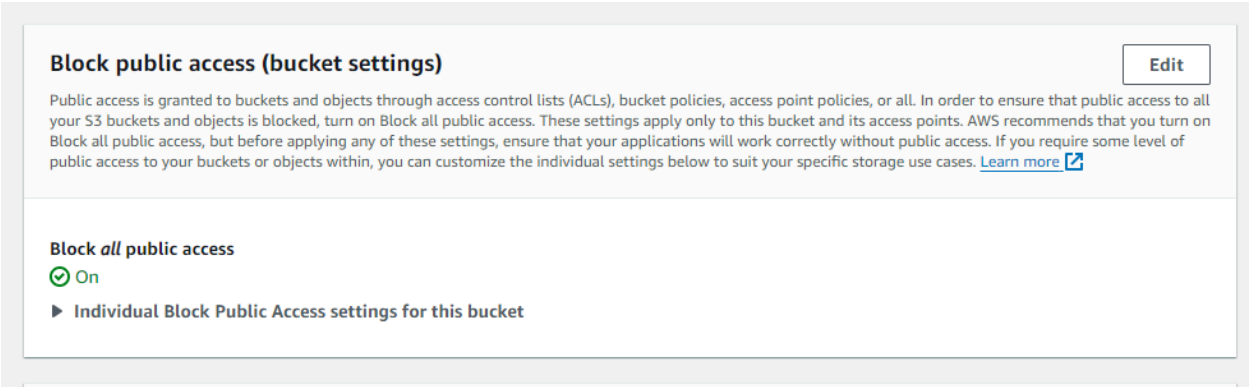


Storage class is updated.

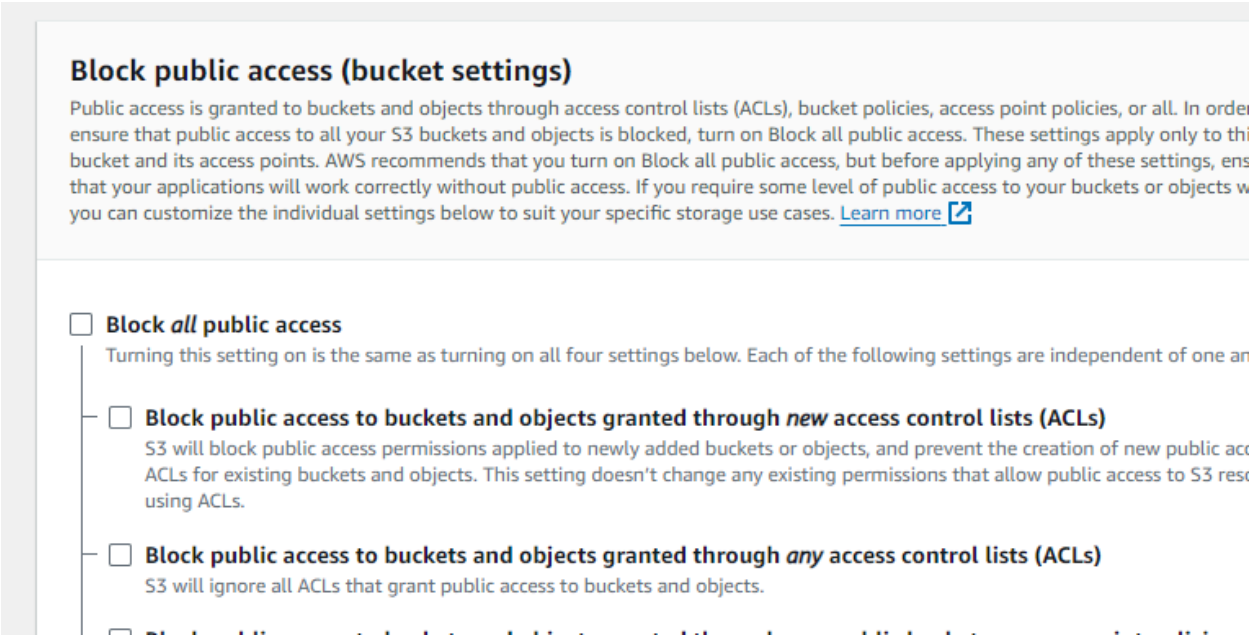
To Access the objects Let’s Write the Policy: Bucket Policy

Step 1:



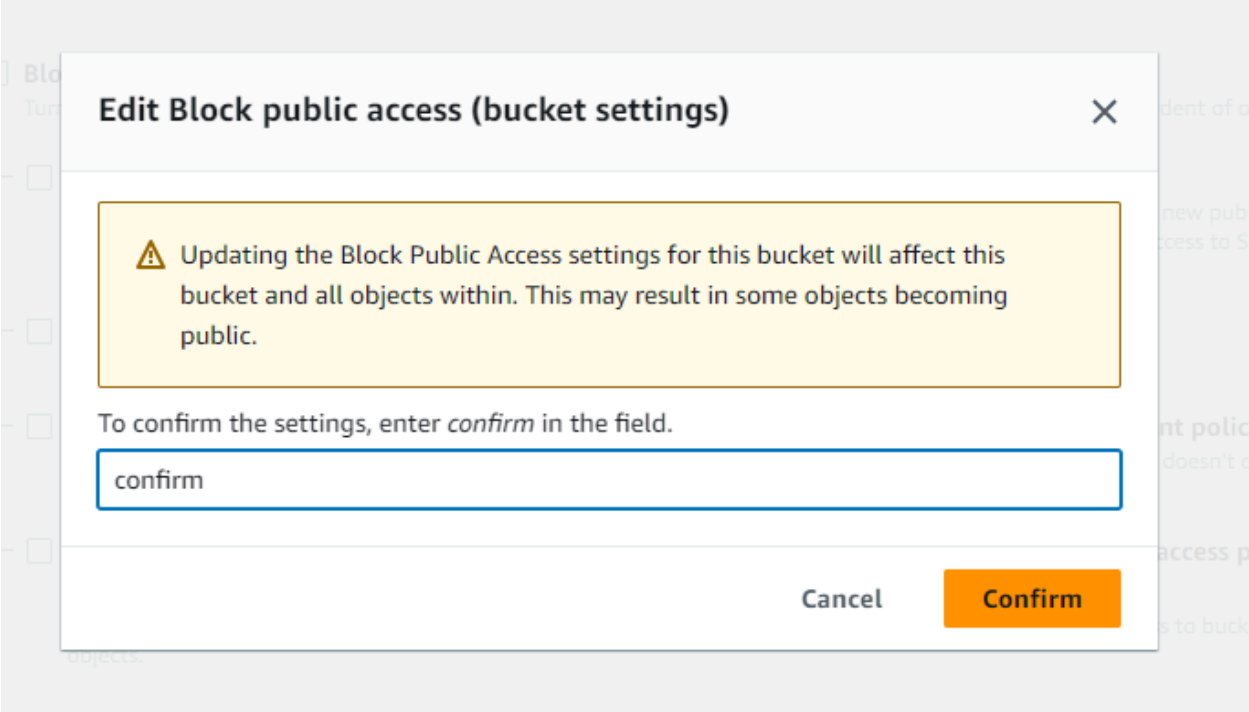


Click on edit



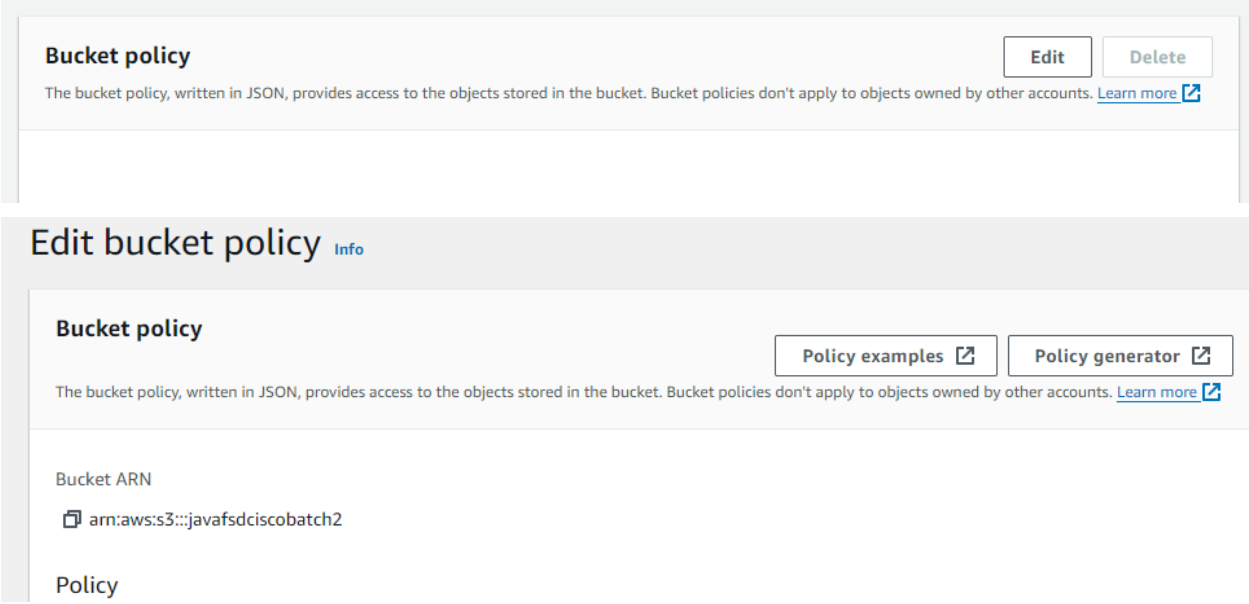
Uncheck block public access.

Click on save changes and type confirm in the box as shown below.



Click on confirm.

Let’s create policy by click on edit.



Click on policy generator.

On Policy Generator page select policy type to s3 bucket.

AWS Policy Generator

The AWS Policy Generator is a tool that enables you to create policies that control access to An
For more information about creating policies, see key concepts in Using AWS Identity and Acce

Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an IAM
VPC Endpoint Policy, and an SQS Queue Policy.

Select Type of Policy S3 Bucket Policy

Step 2: Add Statement(s)

A statement is the formal description of a single permission. See a description of elements that you can use in statements.

Effect Allow Deny

Principal *

Use a comma to separate multiple values.

AWS Service Amazon S3 All Services ('*')

Use multiple statements to add permissions for more than one service.

Actions 1 Action(s) Selected All Actions ('*')

Amazon Resource Name (ARN)

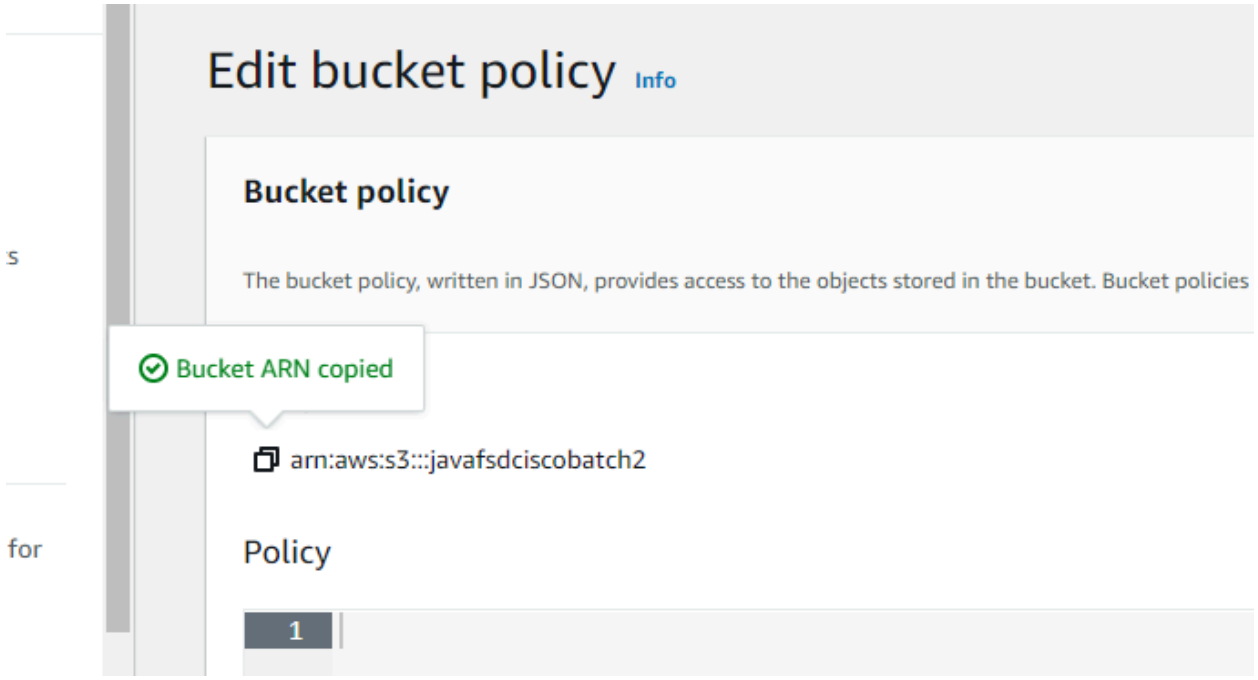
- GetMultiRegionAccessPointRoutes
- GetObject
- GetObjectAcl
- GetObjectAttributes
- GetObjectLegalHold
- GetObjectRetention
- GetObjectTagging

{BucketName}/${KeyName}.

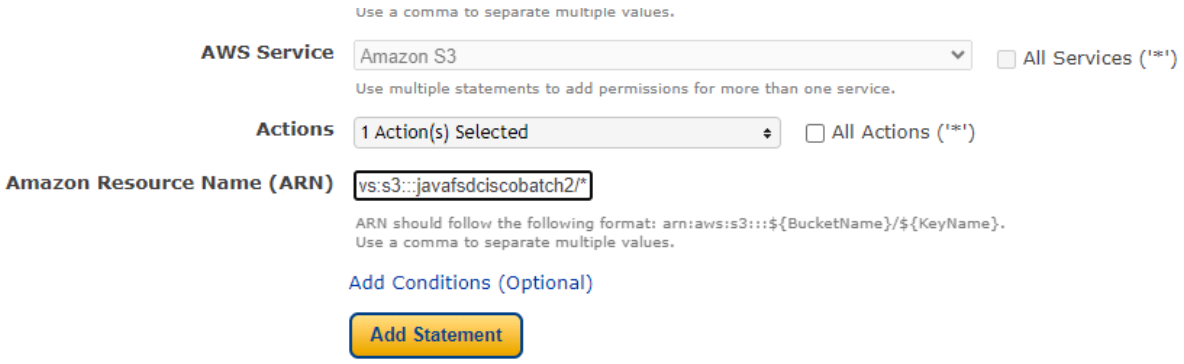
d. You must enter a valid ARN.

In principle type * and in actions search for getObject

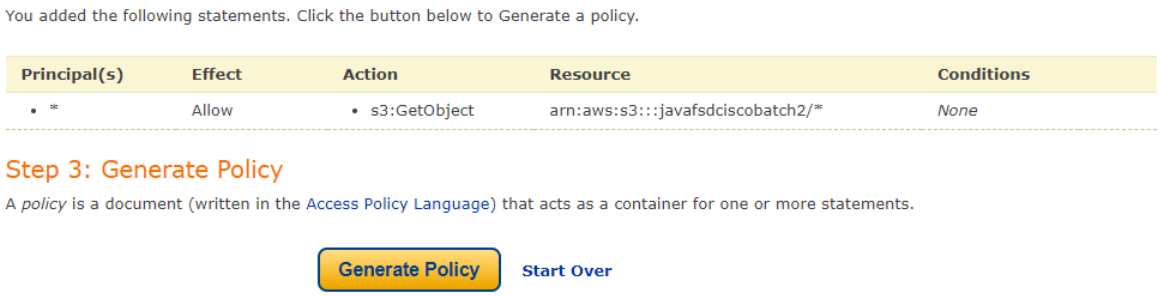
.



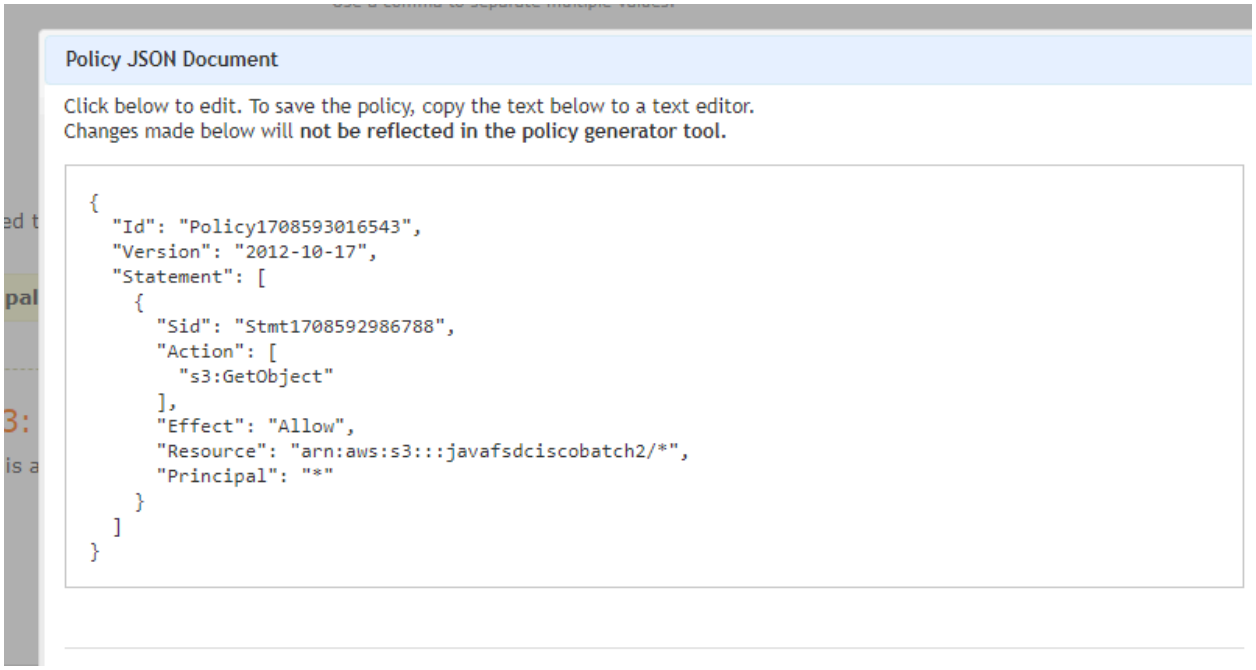
Copy ARN number from here and paste it with /* in policy generator page



Click on Add Statement

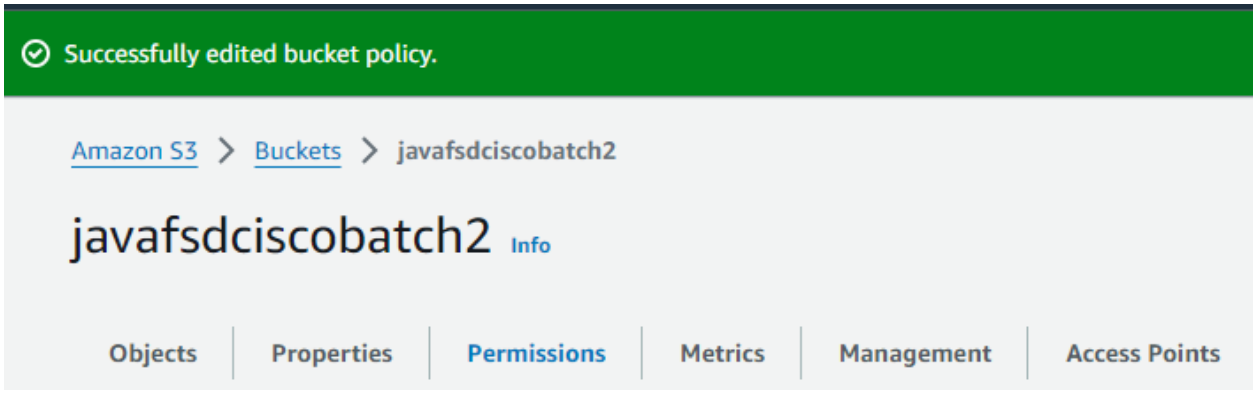


Click on generate Policy



Copy that generated code and add it to your policy page.

Click on Save Changes.



Now Again try to access that added object in browser.