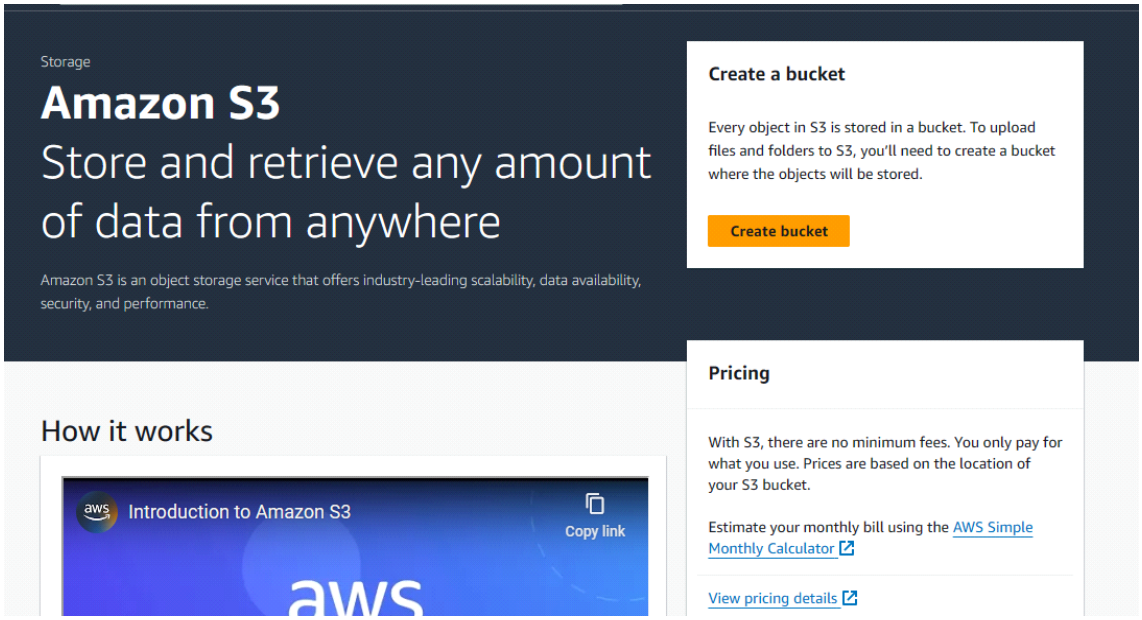
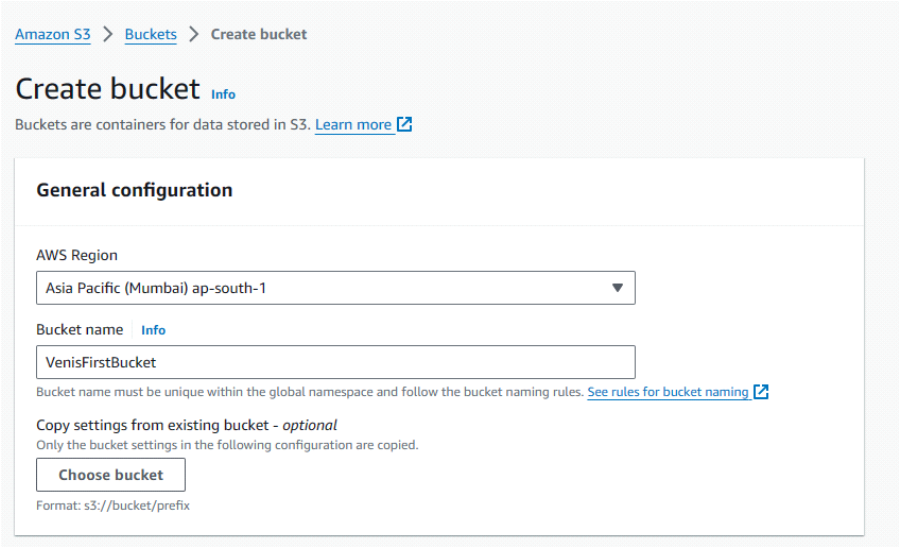
TASK 1: Create an S3 Bucket:

1.1Steps to create S3 Bucket:

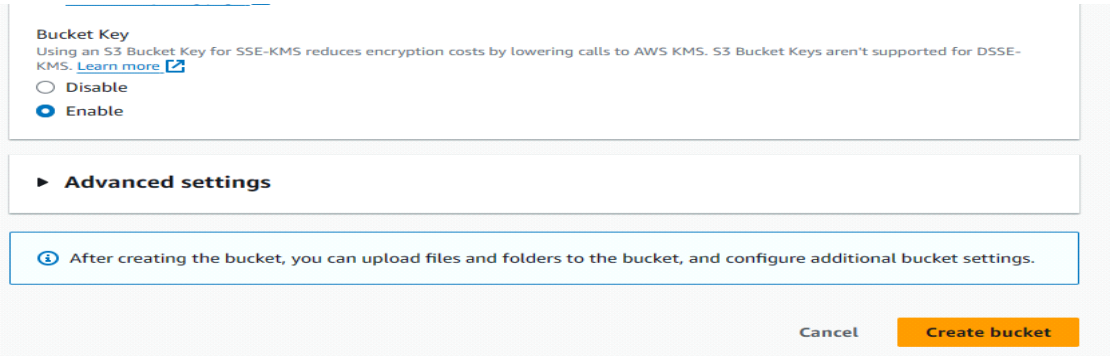
- In the Aws Cloud , search for S3 and select it .



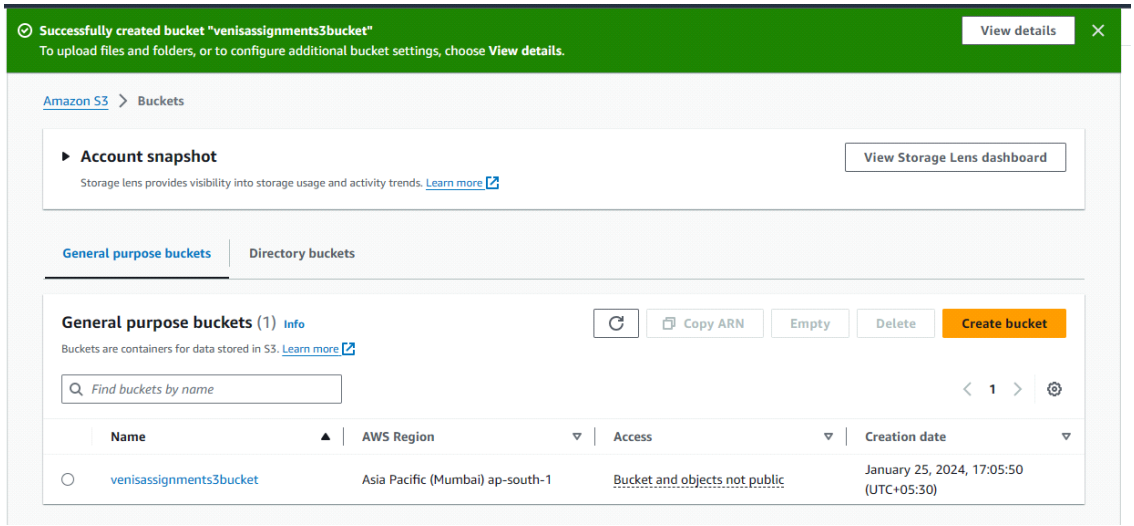
- Now click on “Create bucket”. Select the Nearest region so we'll select Mumbai(Asia pacific) , and give the bucket name as "VenisFirstBucket" .



- Enable Bucket Versioning:

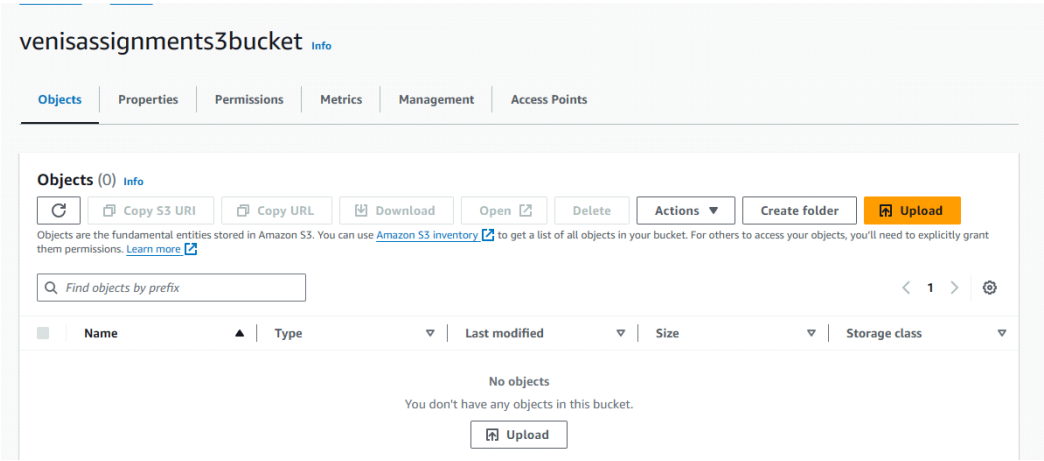


- Now we can see that our bucket has been created .

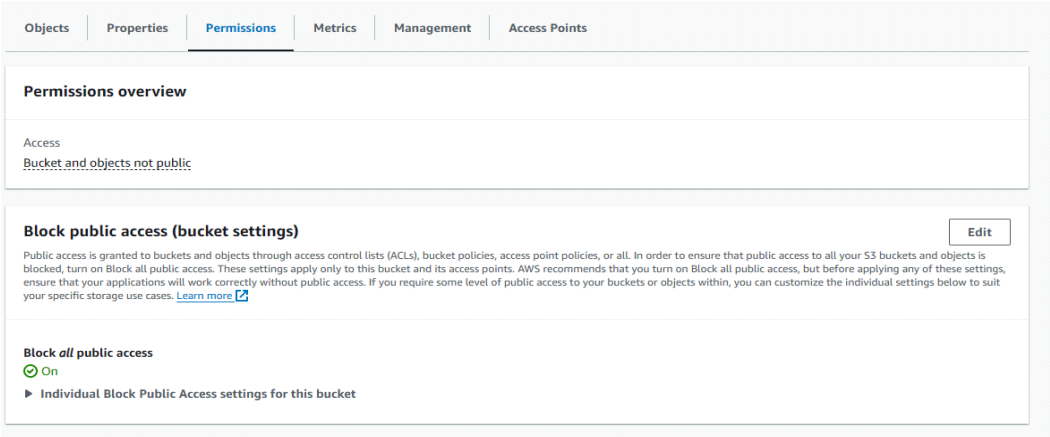


Steps to edit public access :

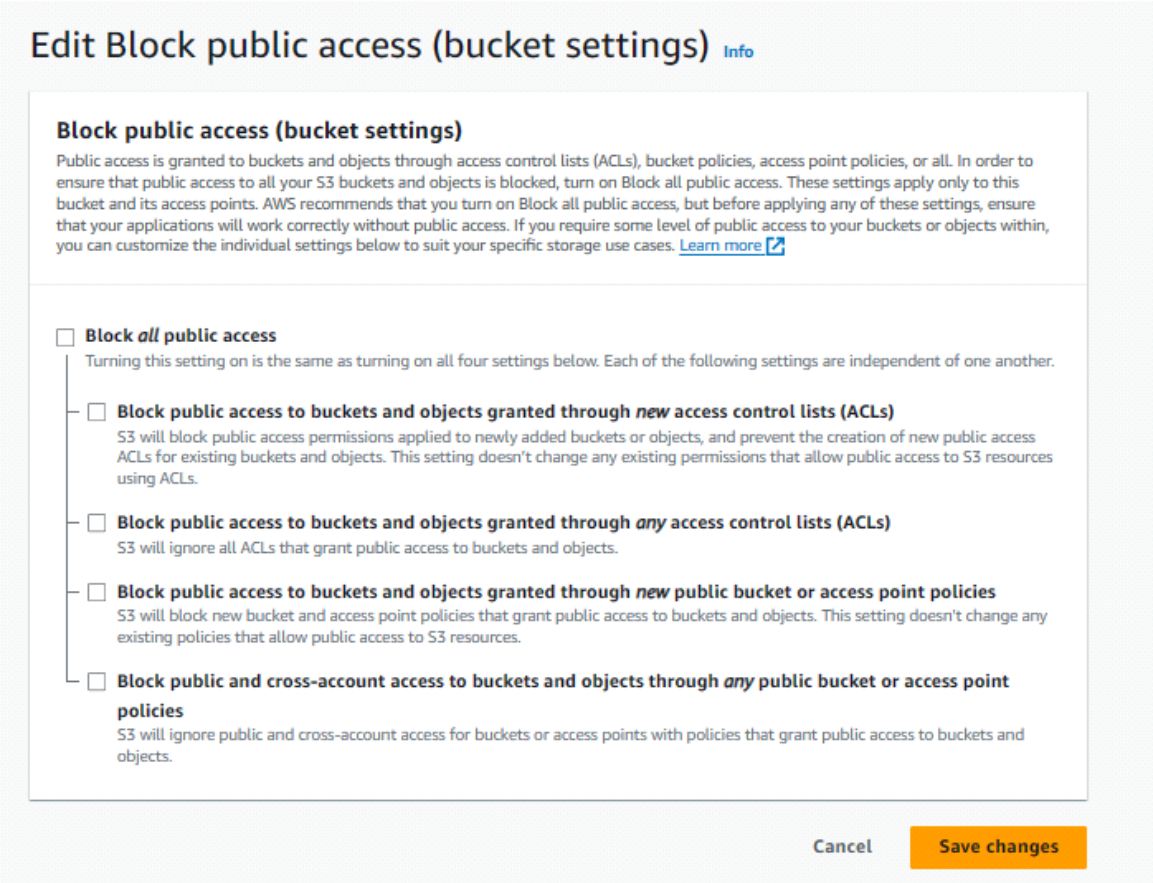
- Select the venisassignments3bucket .

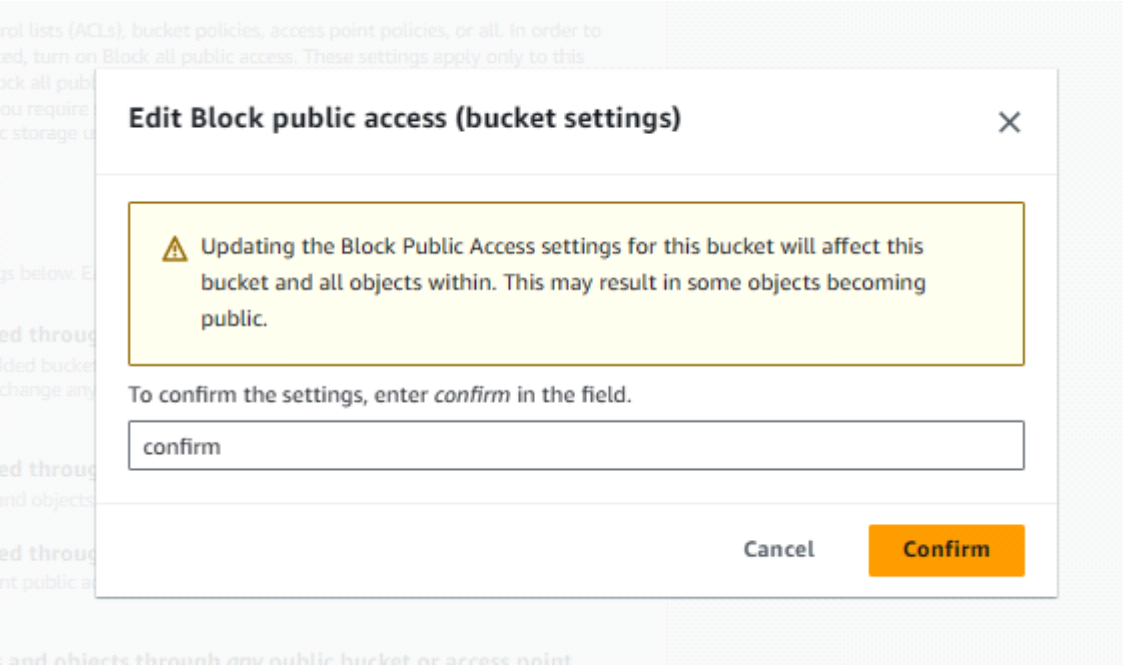


- Now we can see the Permissions section . So Now click on Edit .

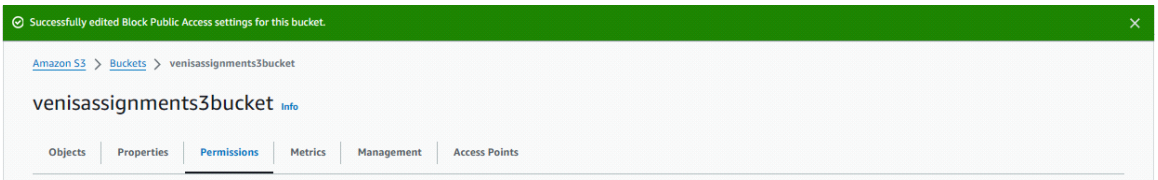


- Now untick all the checkboxes and write confirm to confirm the changes .



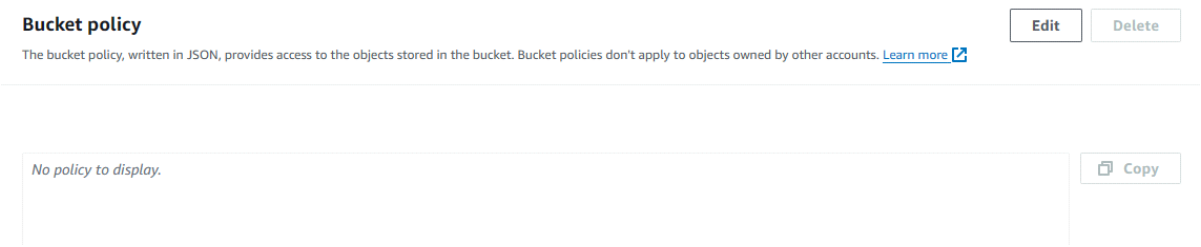


- Now we can see the confirmation of the saved changes .

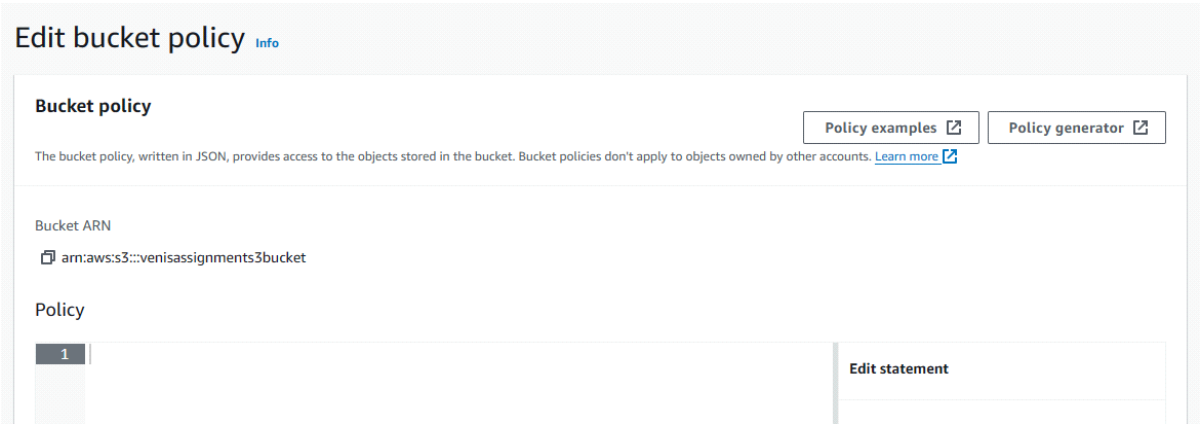


2.1To configure bucket policies to control permissions:

- Click on edit inside Bucket policy tab.

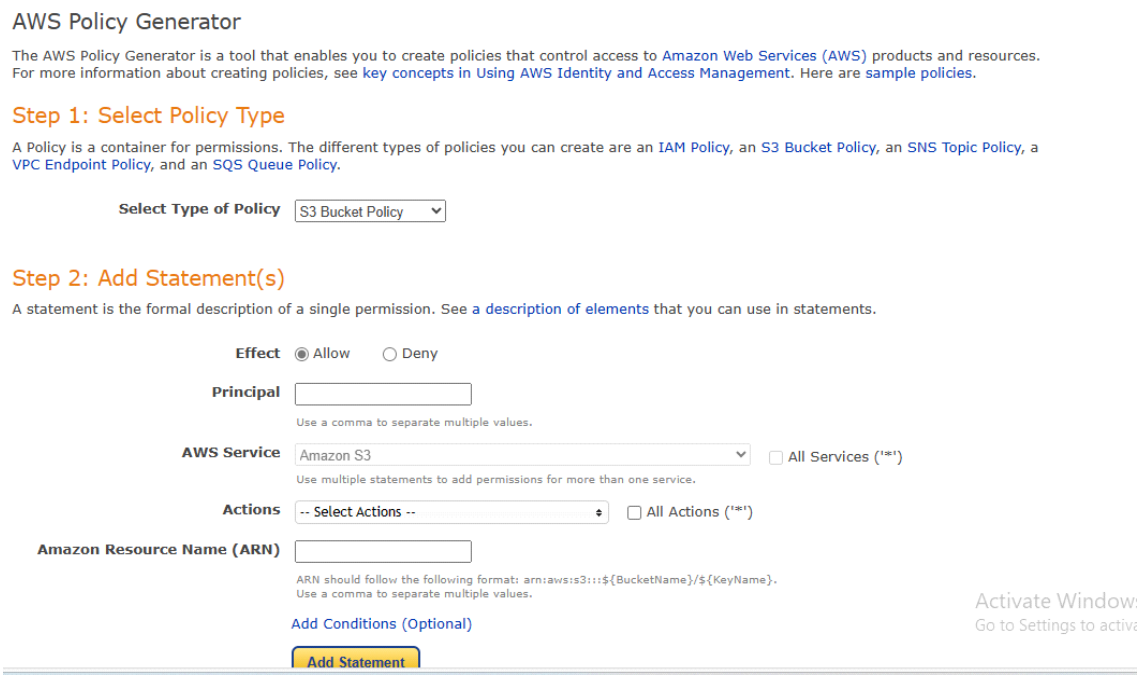


- Inside edit mode click on policy generator.



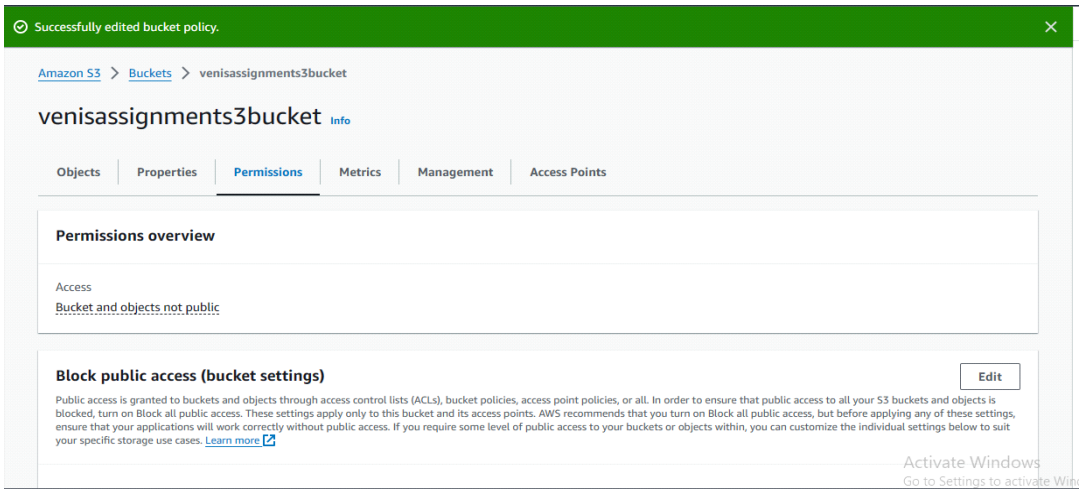
- Policy generator provides gui for creating policies. Now select type of policy “S3 Bucket Policy”.

  choose effect: “allow”, Principal: “*”, Actions: “GetObject”, Amazon Resource Name (ARN): “arn:aws:s3:::venisassignments3bucket/*”. Then click on Add Statement and click on generate policy.



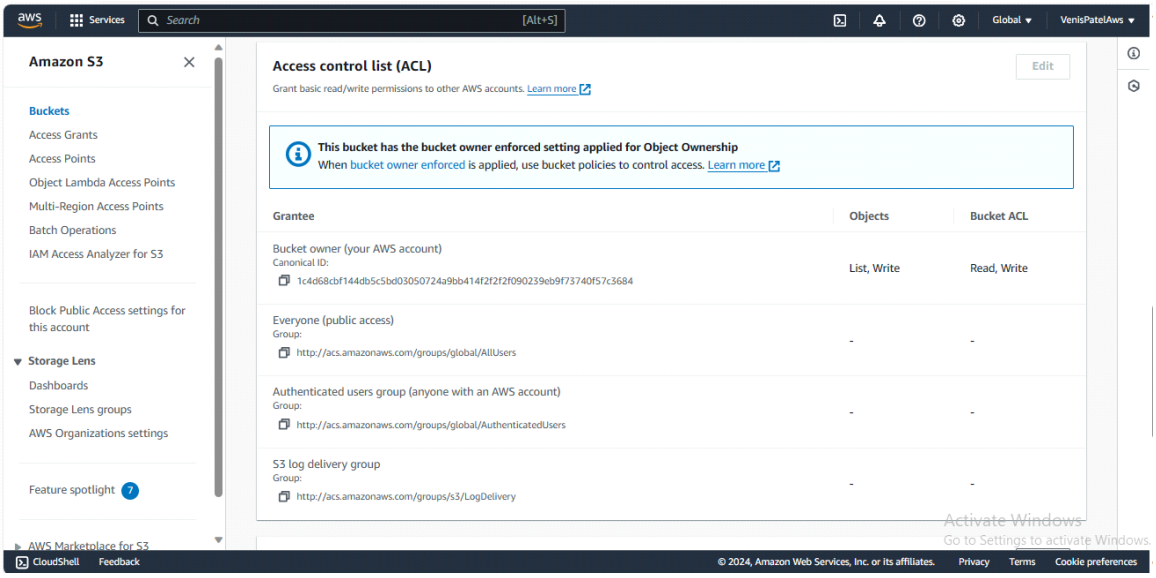
- Now Copy the json text and paste it in the Edit bucket policy page, then click on Save Changes.

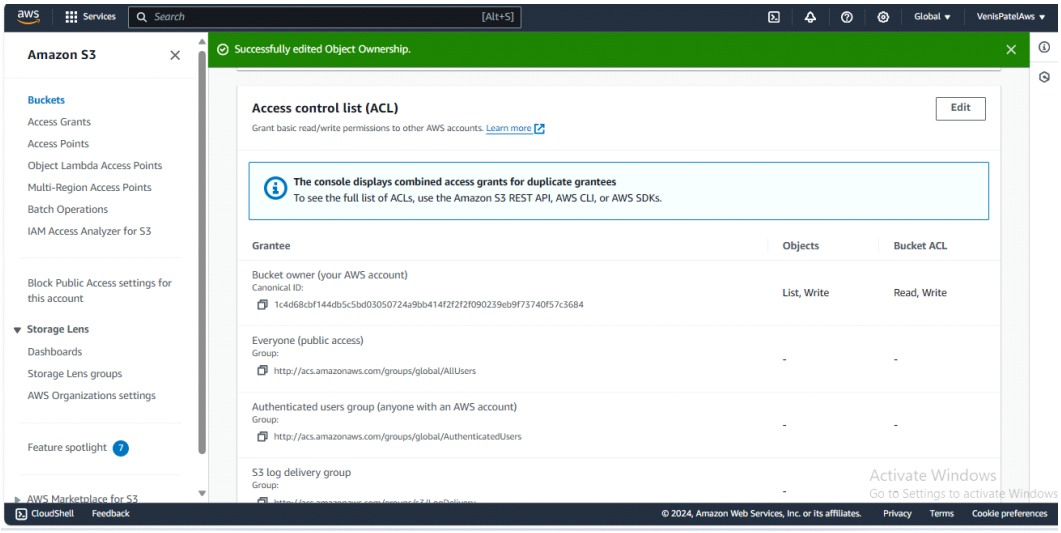
- Now we can see the changes here



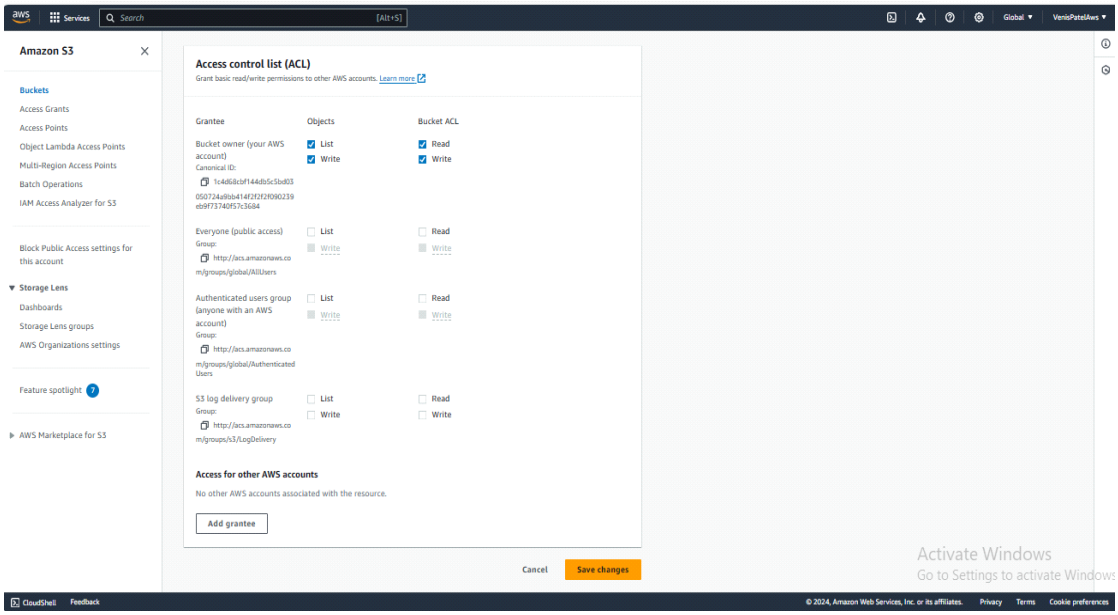
2.2To configure access control lists (ACLs) to control permissions:

- Scroll Down in Permission of s3 bucket find Access Control List and click on edit.



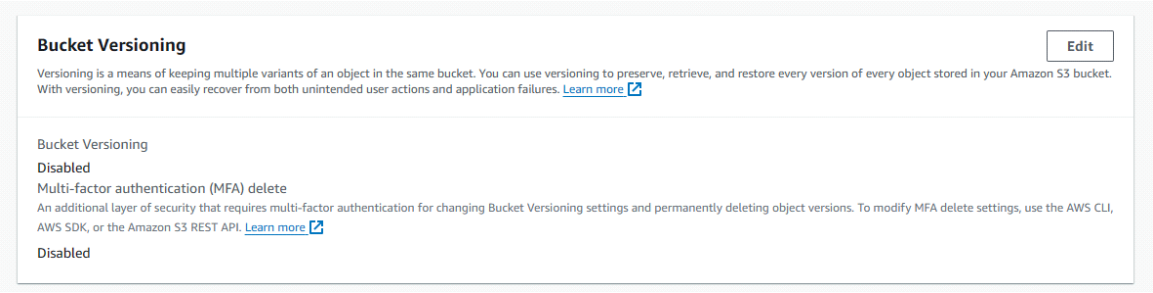


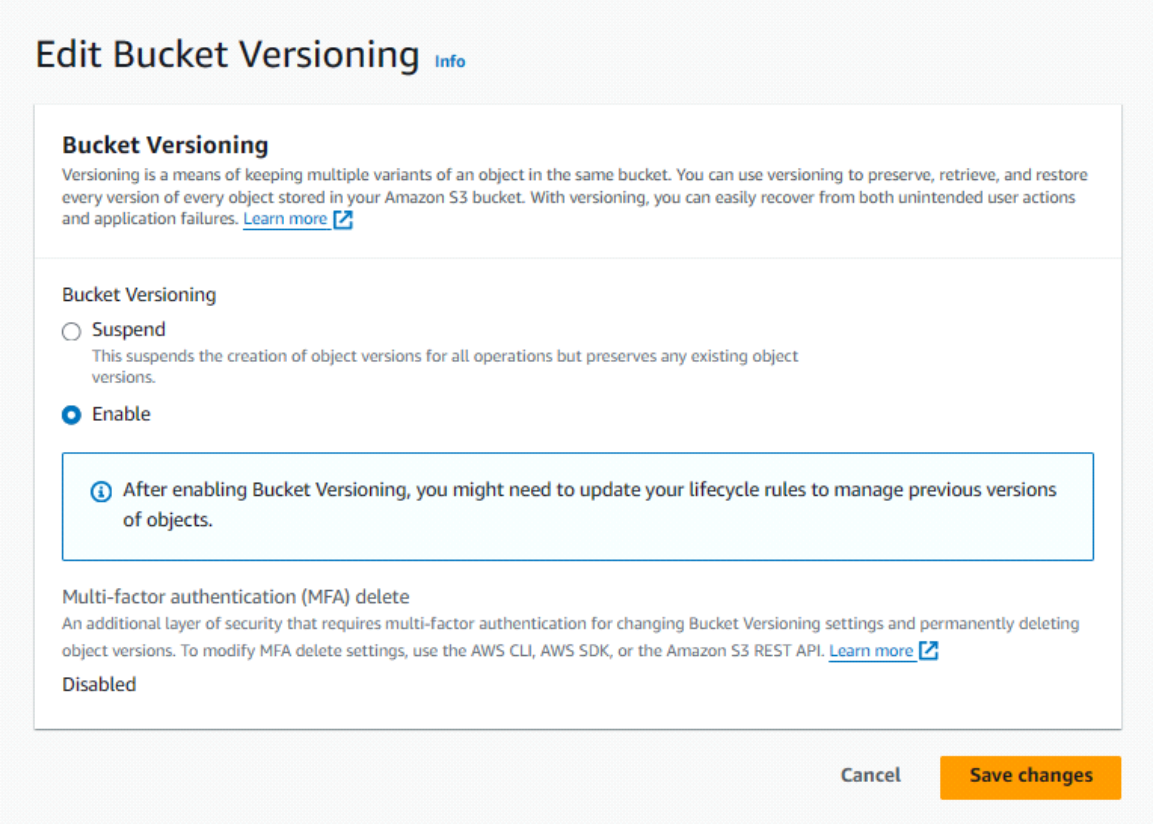
- Now configure access control list to control list, read, write permission about objects and Bucket ACL. After configuring ACL click on “Save changes”.

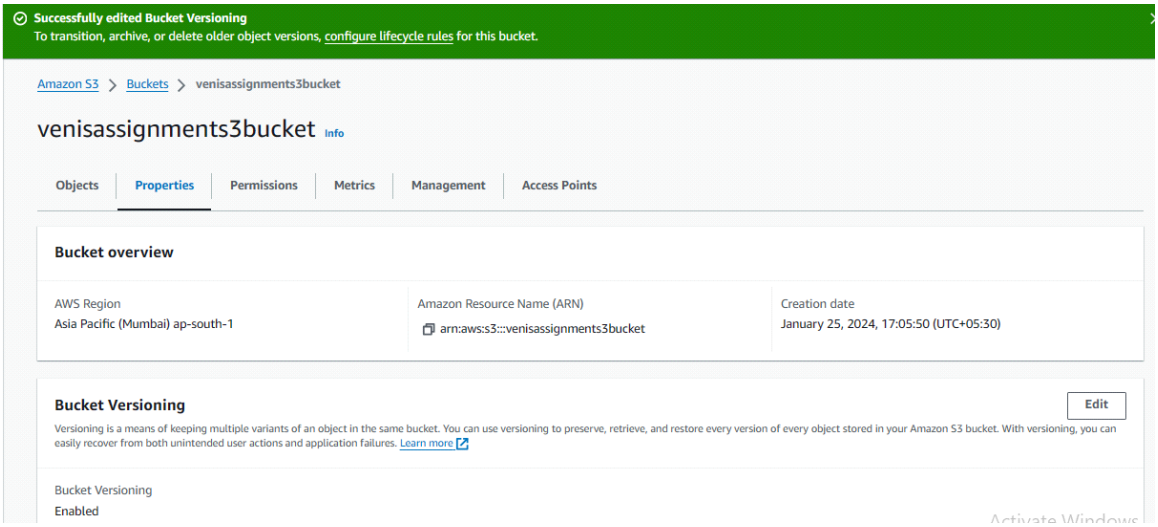


3.Enable the versioning of your S3 bucket .

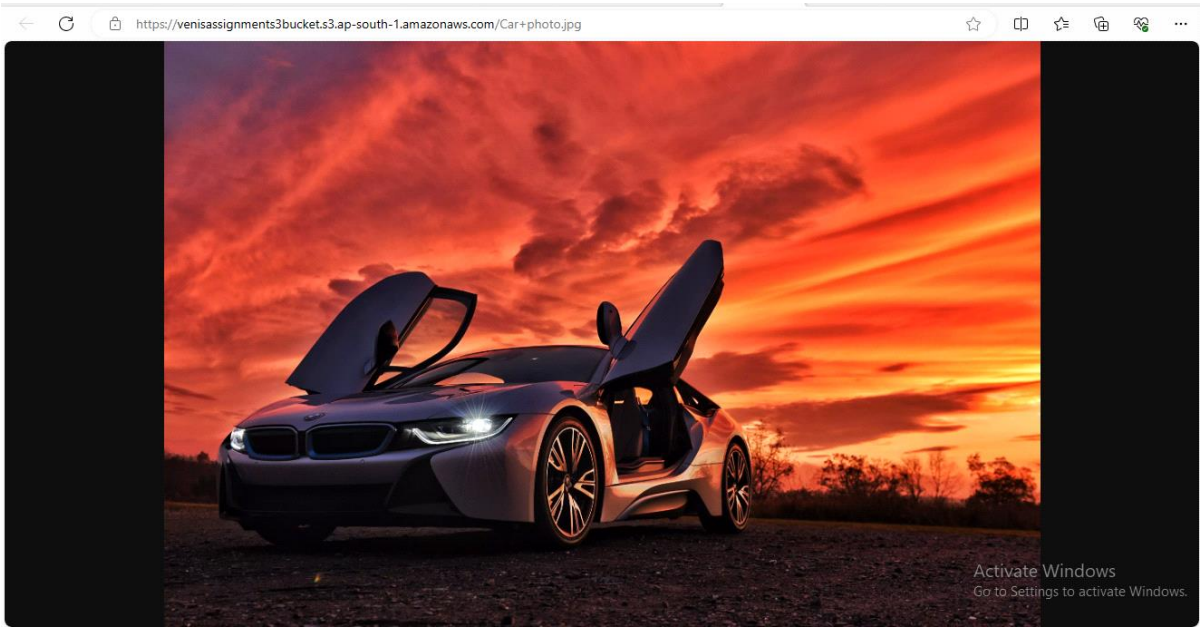
- Go to bucket versioning and then Enable bucket versioning and then save that changes and we can see those changes .







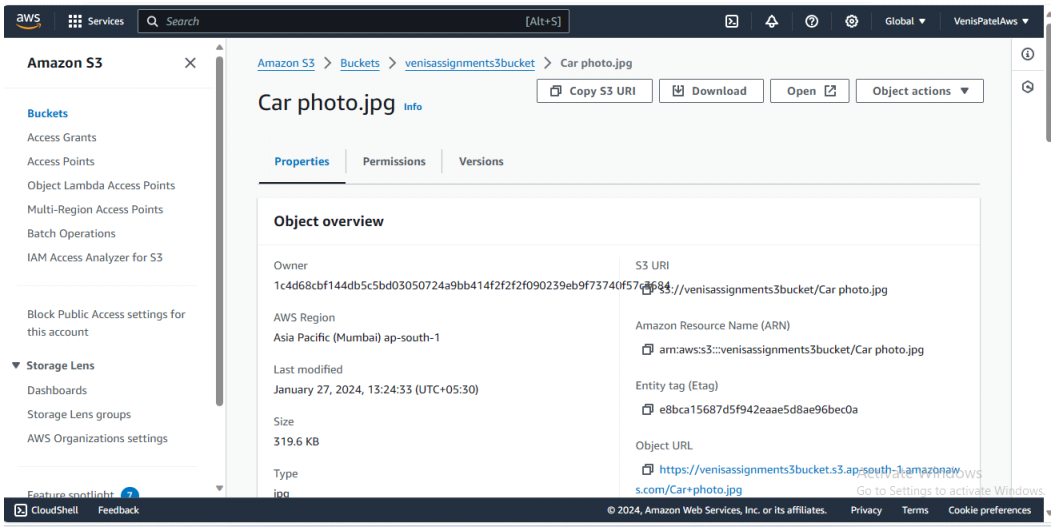
Check if s3 object is accessible:



4. Upload, modify, and delete objects to observe versioning in action:

Uploading Image:

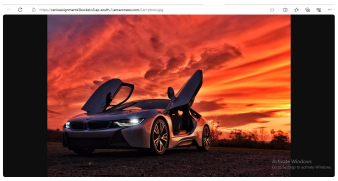
In venisassignments3bucket click on upload and then click on add file and select Car photo.jpg to upload it to s3 bucket. This created a new version id which is visible in the image.



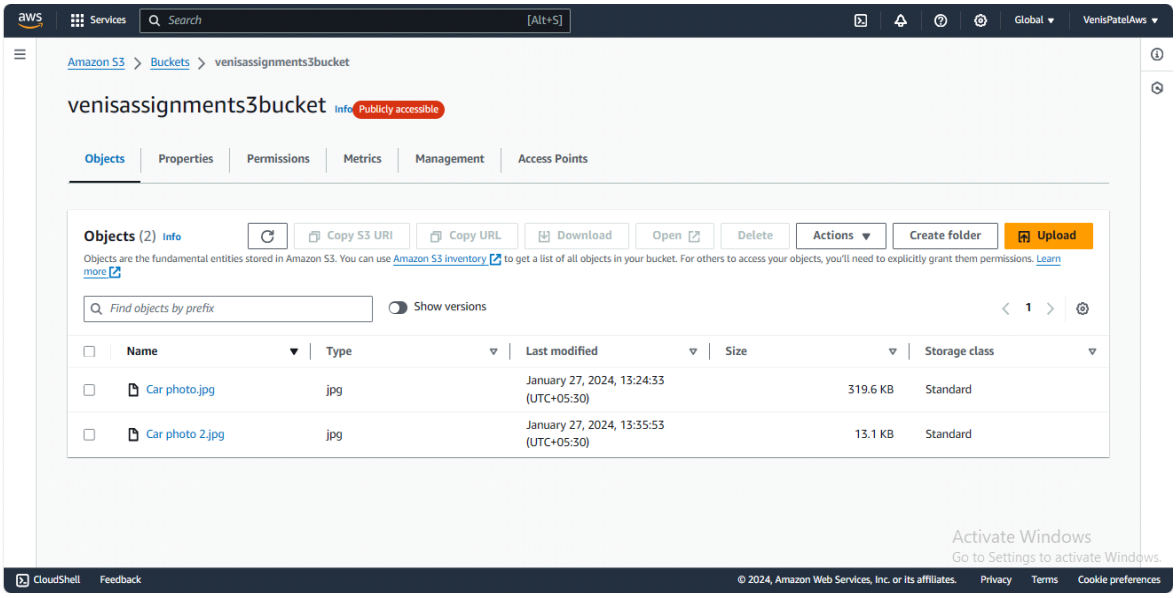
Modifying Image:

Click on upload in assignment-s3-bucket-jainil and click on add file then select another digital_camera.jpg to replace existing image.

Existing Image:

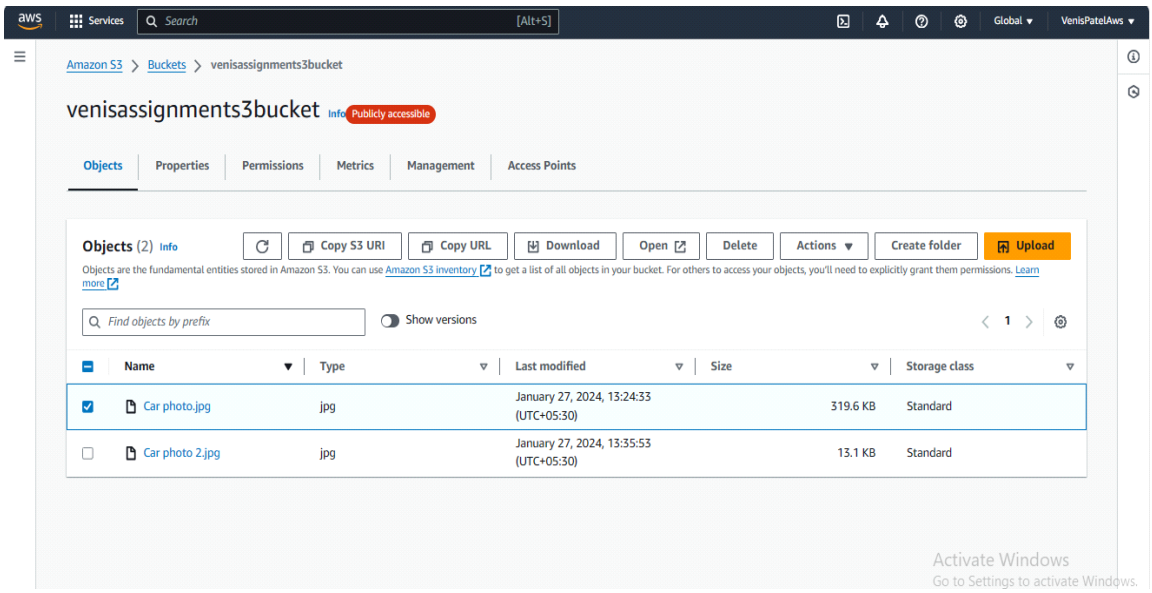


Modified Image:



Delete:

To delete a s3 object select that object and click on delete. Now confirm the deletion by writing delete and click on Delete object.



Here we can see that after deleting the image , we still have the older version .