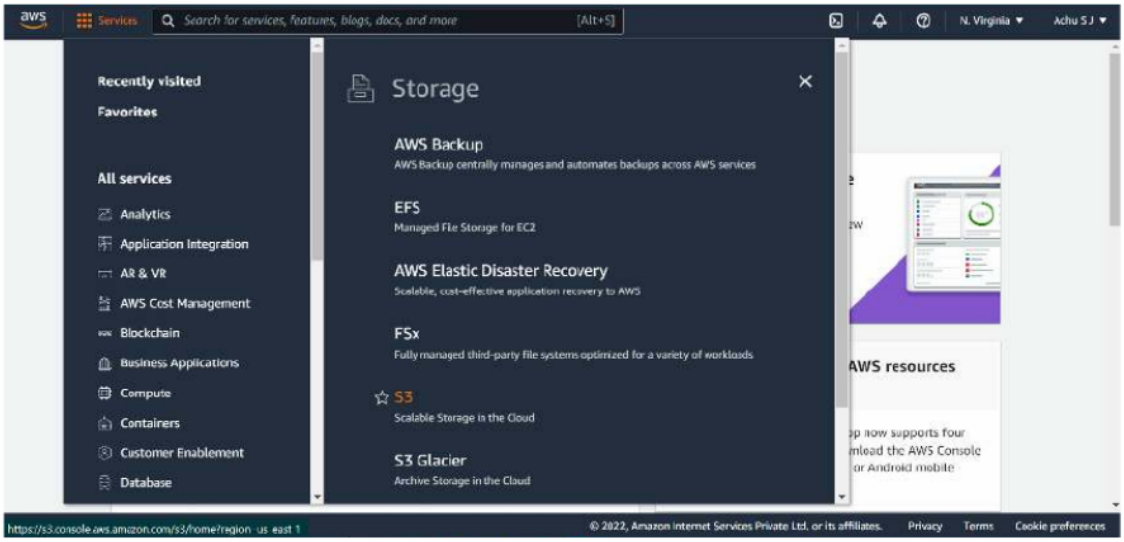
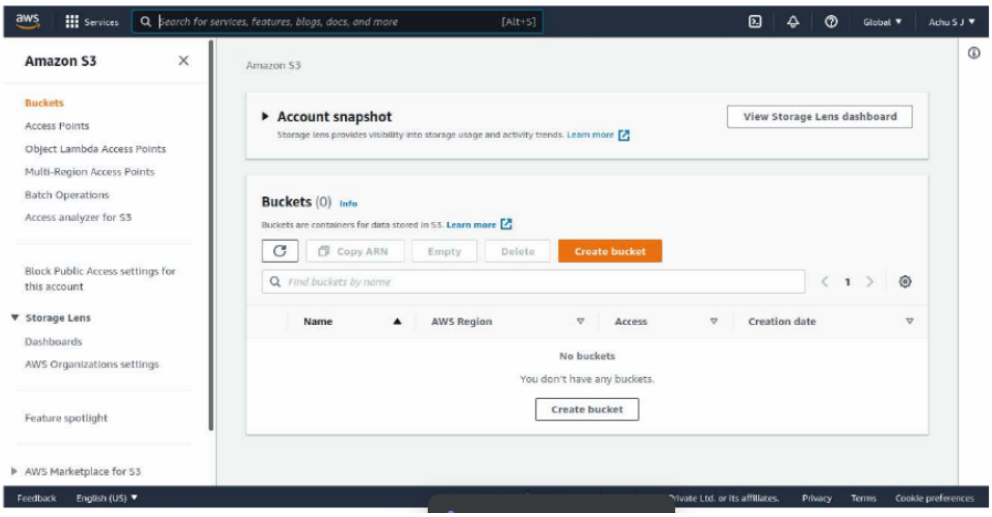
Implementation:

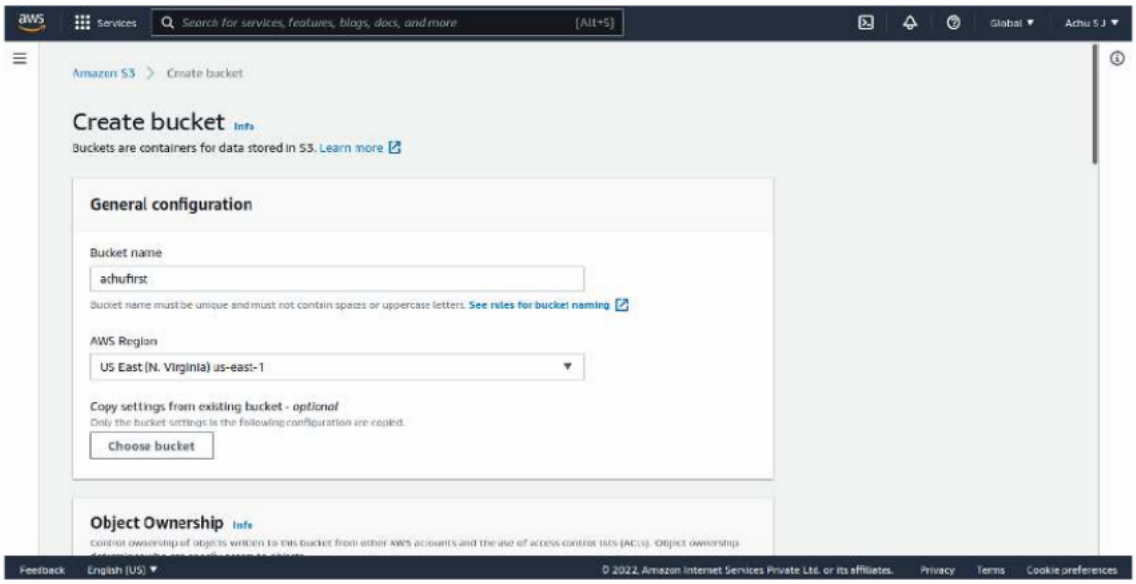
Step 1: In AWS, Services->Storage-> S3



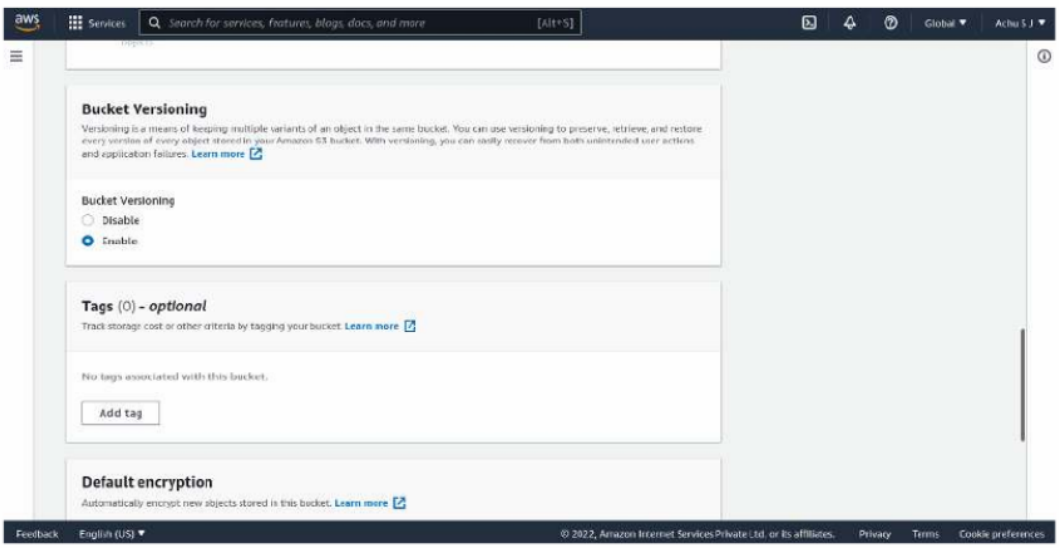
Step 2: Click on Create bucket



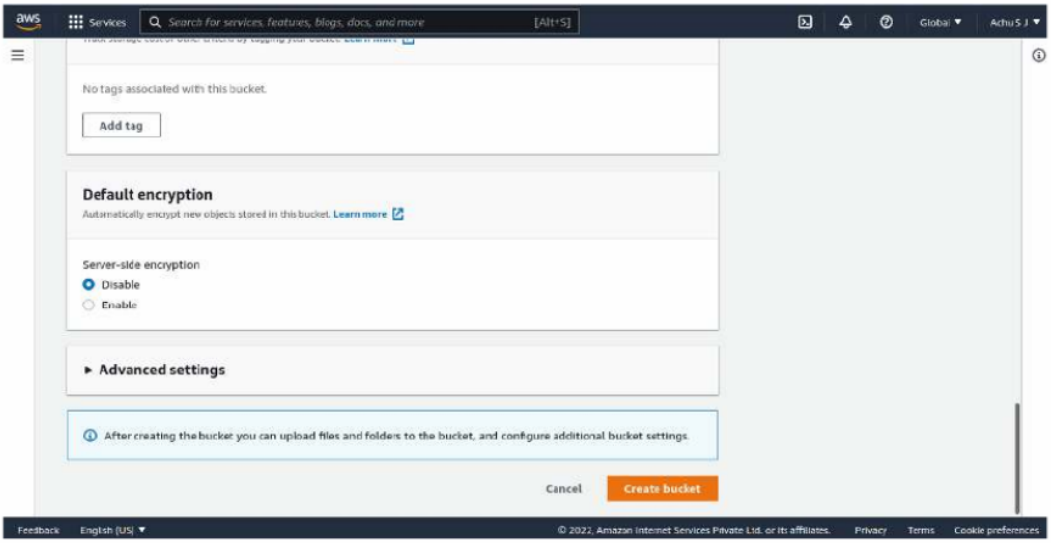
Step 3: Adding Bucket name and choosing AWS Region



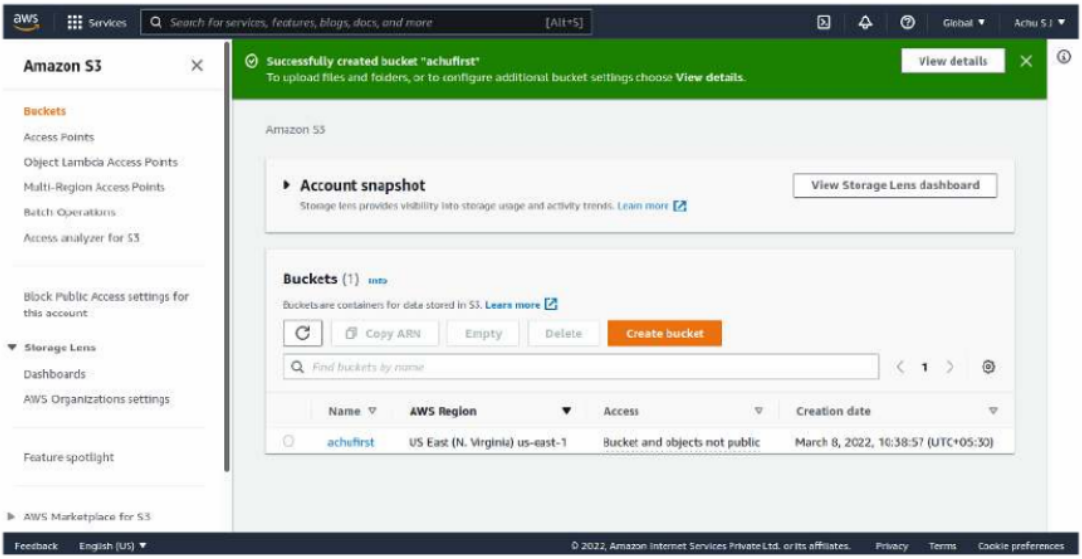
Step 4: Enable Bucket Versioning



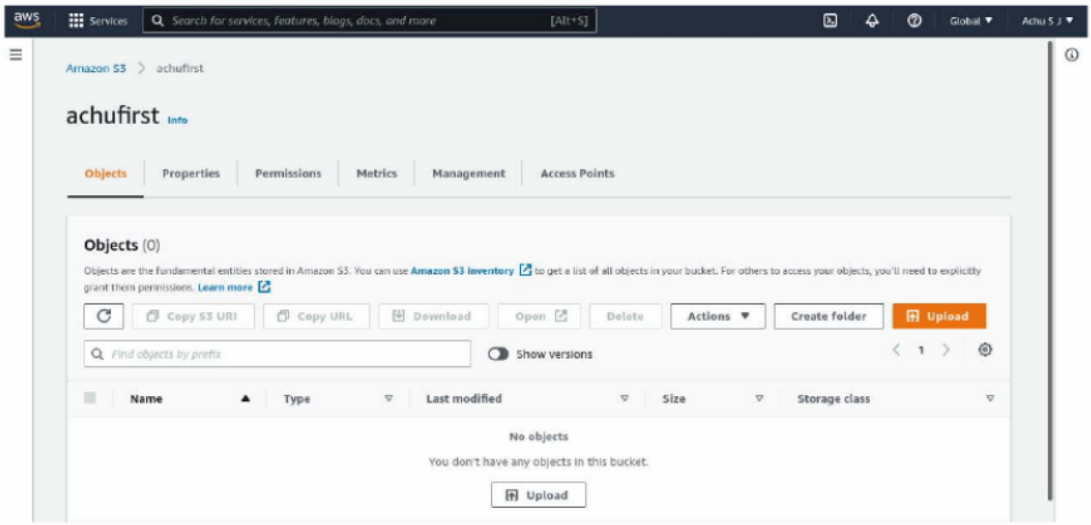
Step 5: Disable Default encryption and click Create bucket



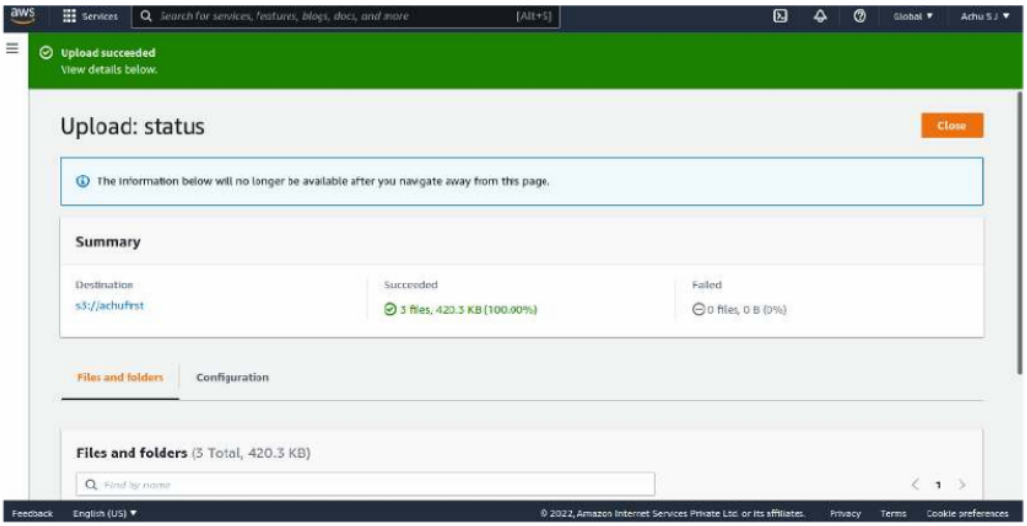
Step 6: Bucket 'achufirst' is created



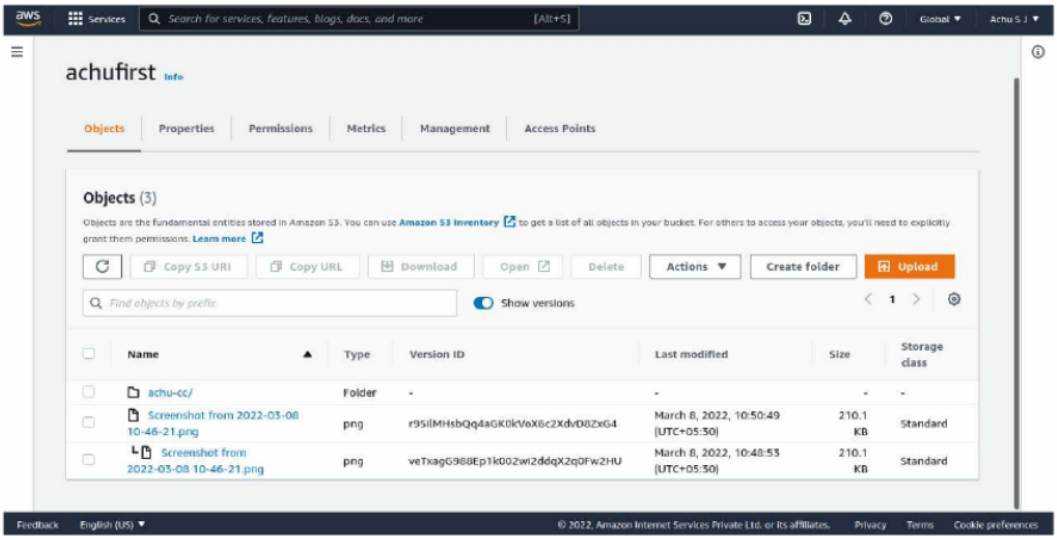
Step 7: Selecting 'achufirst' and uploading files



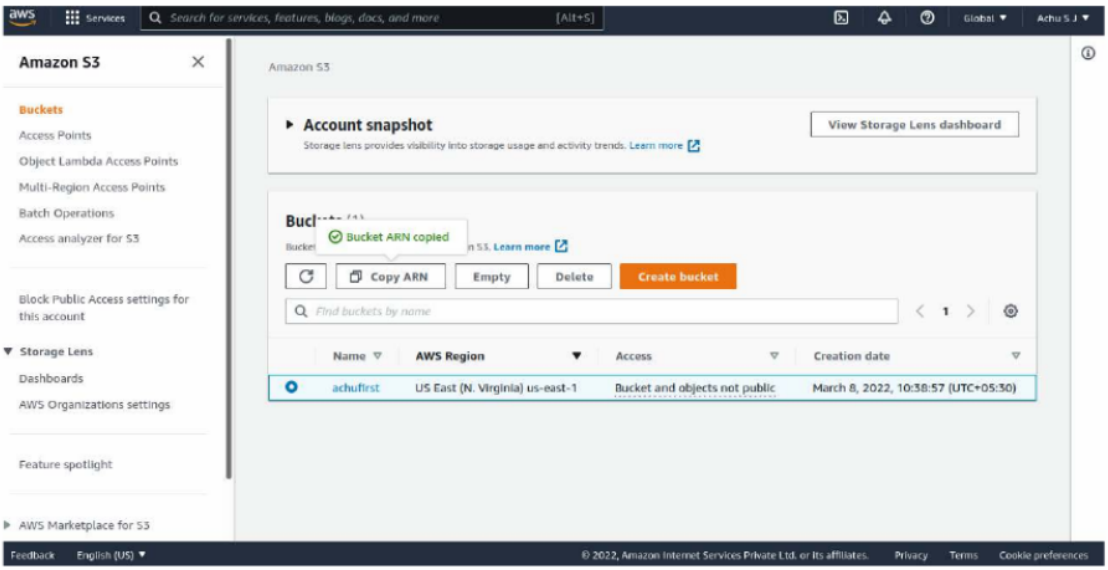
Step 8: Uploaded files successfully



Step 9: After uploading the same png file one by one, clicking on ‘Show versions’, we can see that the Version ID is different for both



Step 10: Copying ARN for 'achufirst'



Step 11: Going to Permissions -> Edit Bucket Policy -> Policy Generator Do as shown

AWS Policy Generator

The AWS Policy Generator is a tool that enables you to create policies that control access to Amazon Web Services (AWS) products and resources. For more information about creating policies, see key concepts in Using AWS Identity and Access Management. Here are sample policies.

Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an IAM Policy, an S3 Bucket Policy, an SNS Topic Policy, a 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) arn:aws:s3:::achufirst/*

ARN should follow the following format: arn:aws:s3:::${BucketName}/${KeyName}.
Use a comma to separate multiple values.

Add Conditions (Optional)

Add Statement

Principal

Use a comma to separate multiple values.

AWS Service Amazon S3 All Services ('*')

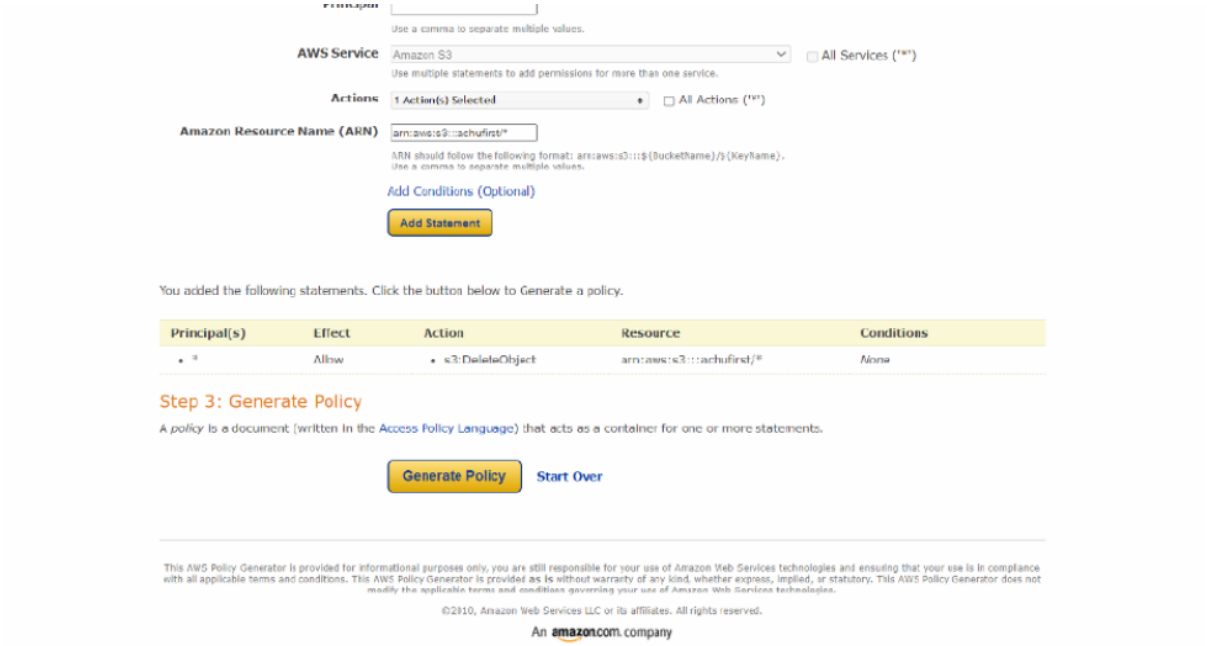
Use multiple statements to add permissions for more than one service.

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

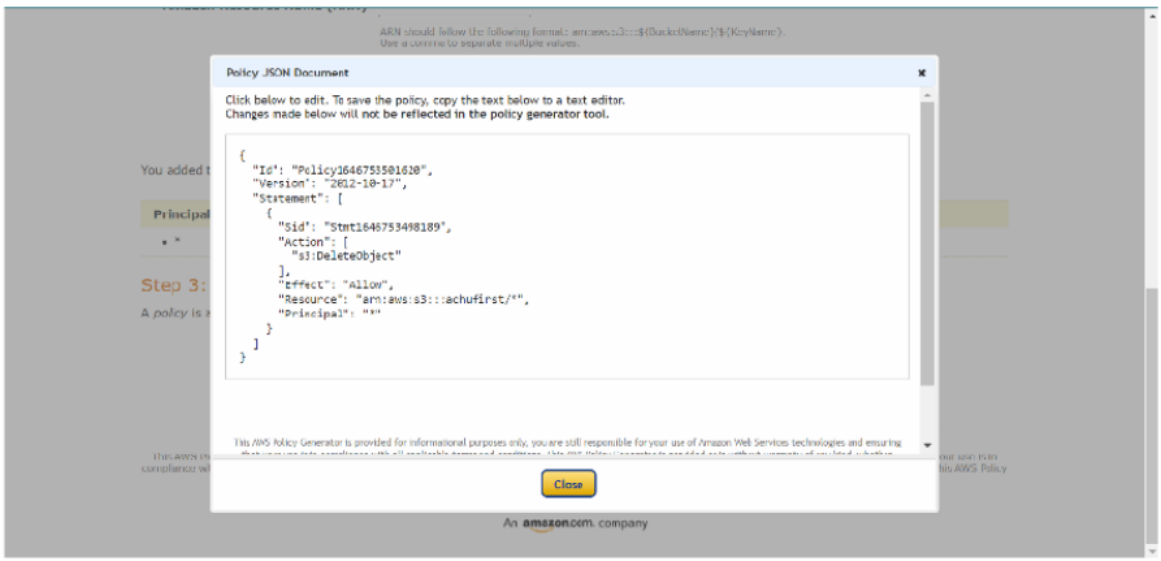
Amazon Resource Name (ARN) arn:aws:s3:::achufirst/*

ARN should follow the following format: arn:aws:s3:::${BucketName}/${KeyName}.
Use a comma to separate multiple values.

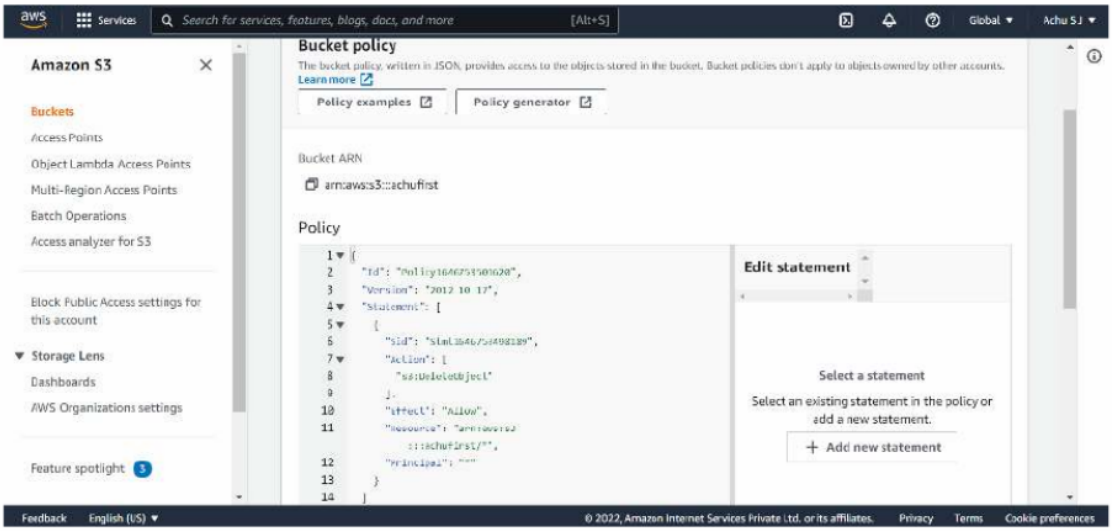
Add Conditions (Optional)



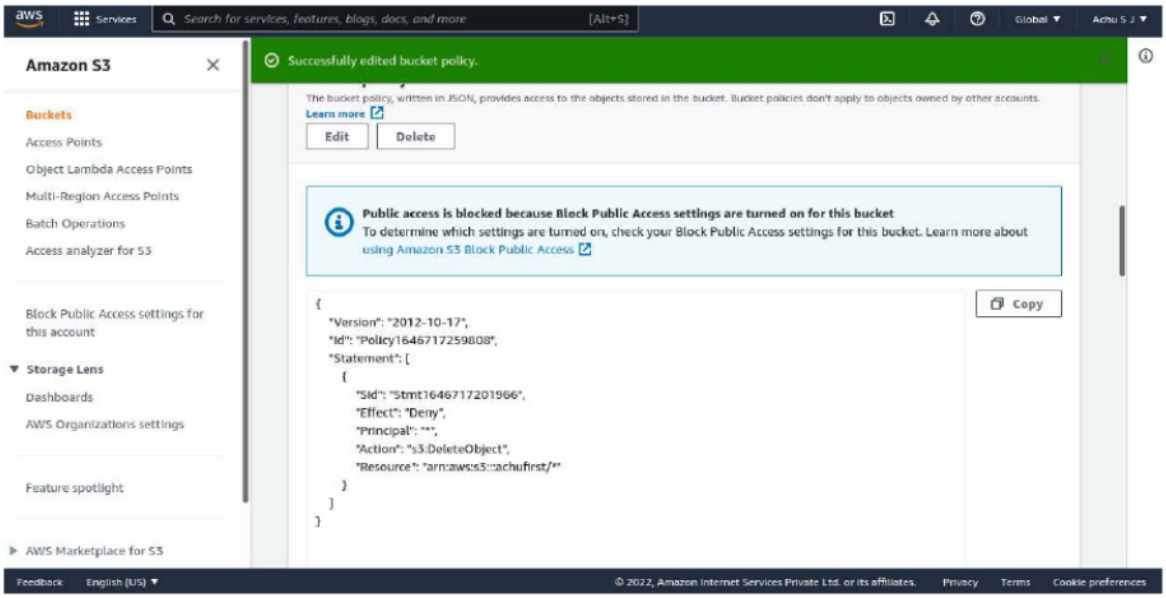
ep 12: Click on Generate Policy and the following JSON document is obtained. It is then pied.



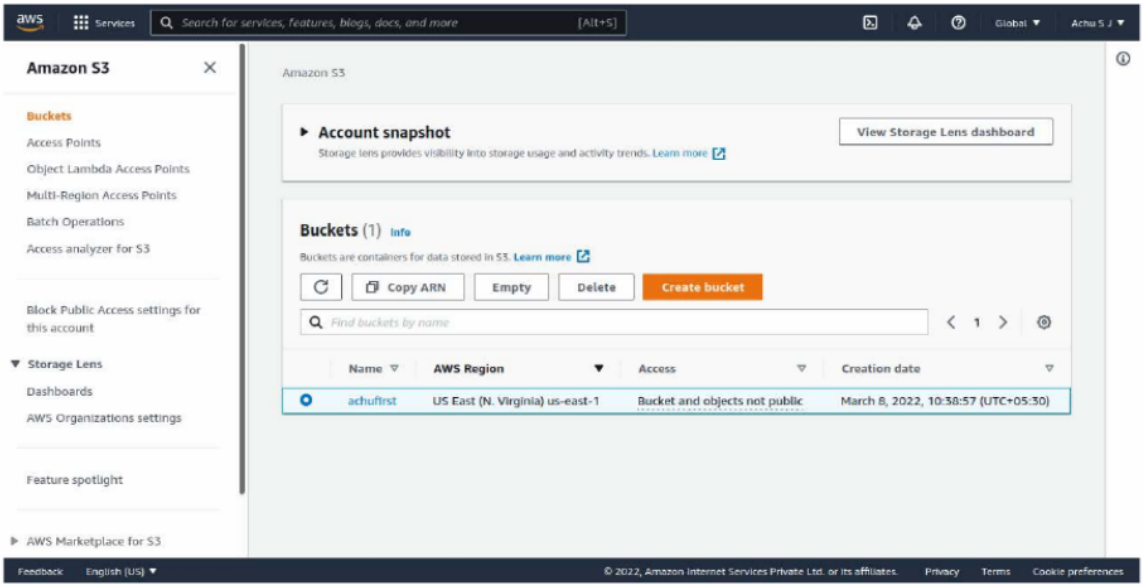
Step 13: The bucket policy is updated and changes are saved.



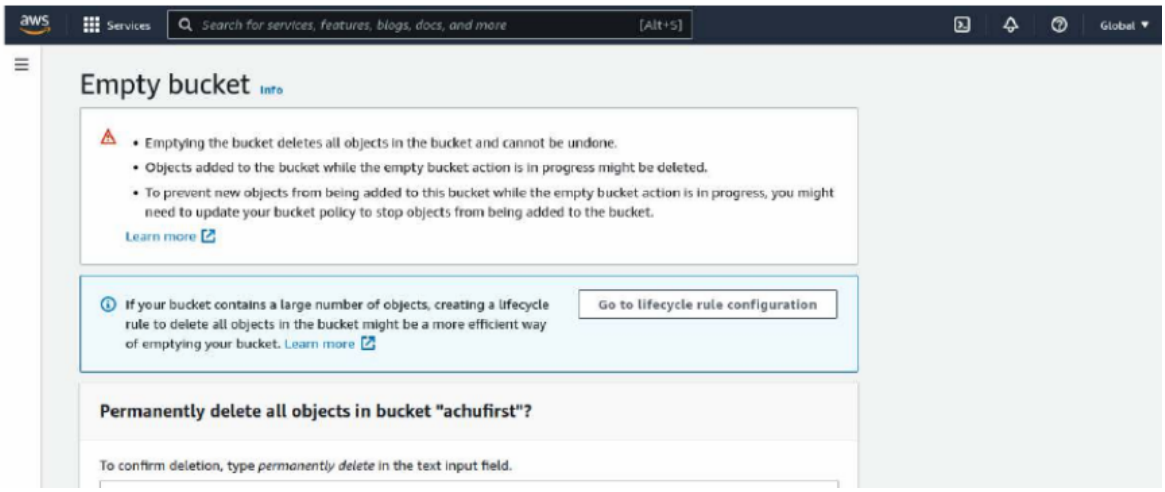
Step 14: Successfully edited bucket policy



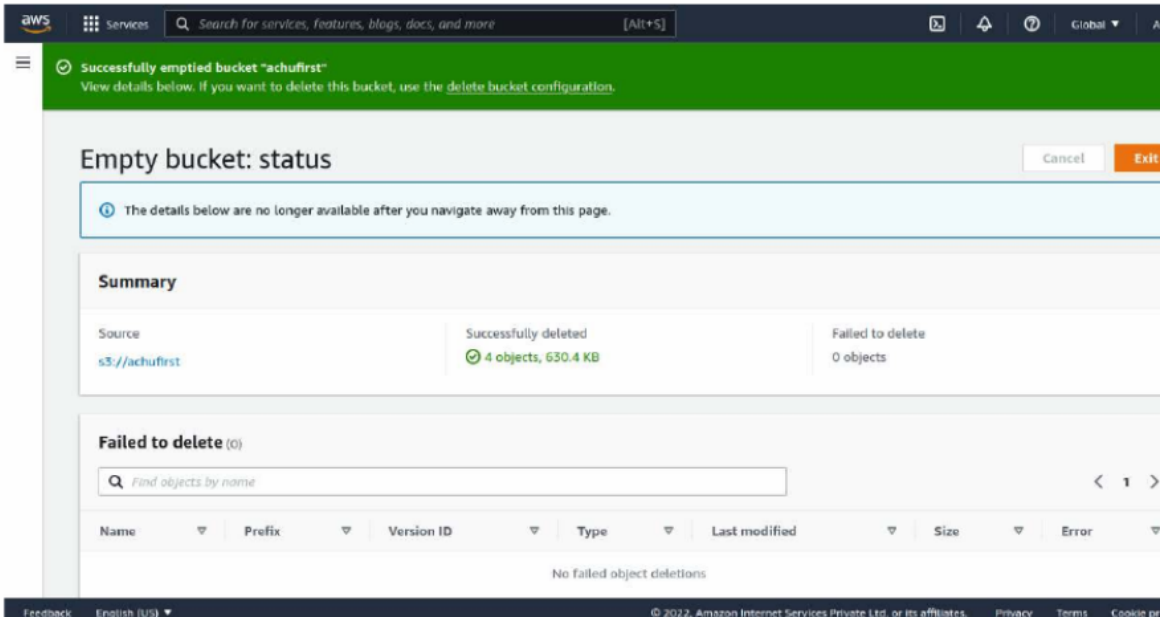
Step 15: Delete objects inside bucket



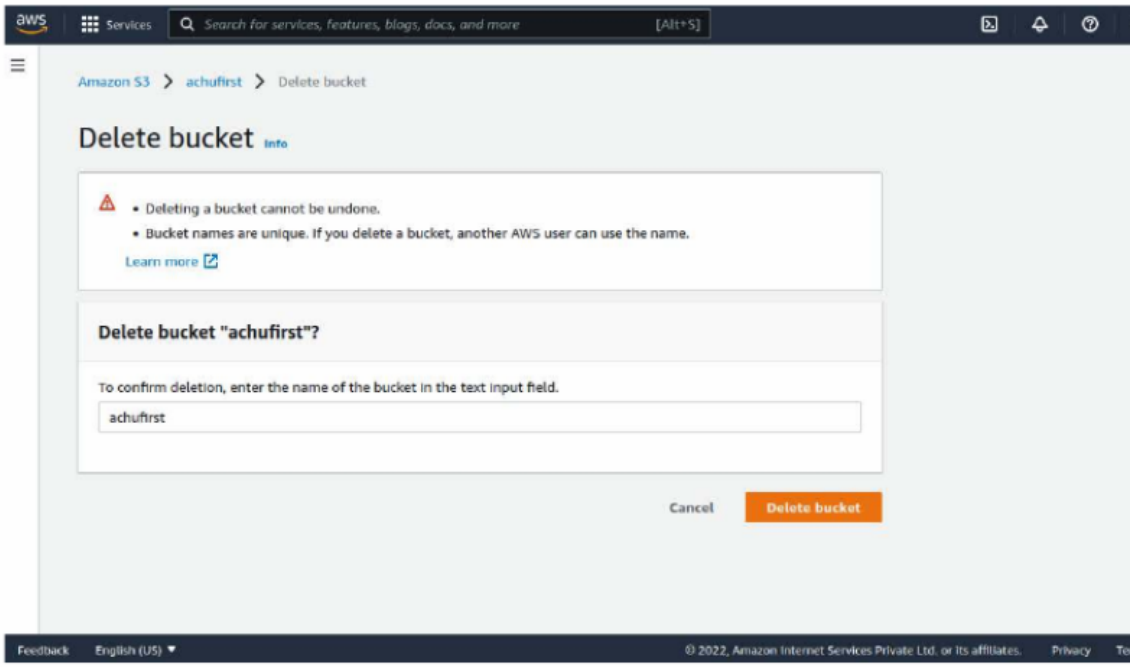
Step 18: Now, emptying bucket

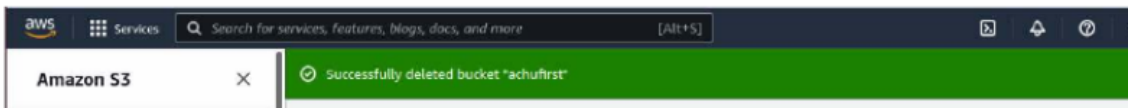


Emptied bucket successfully



Step 19: Deleting bucket





Conclusion:

Thus, we have learnt about Storage as a Service and implemented the same using AWS S3.