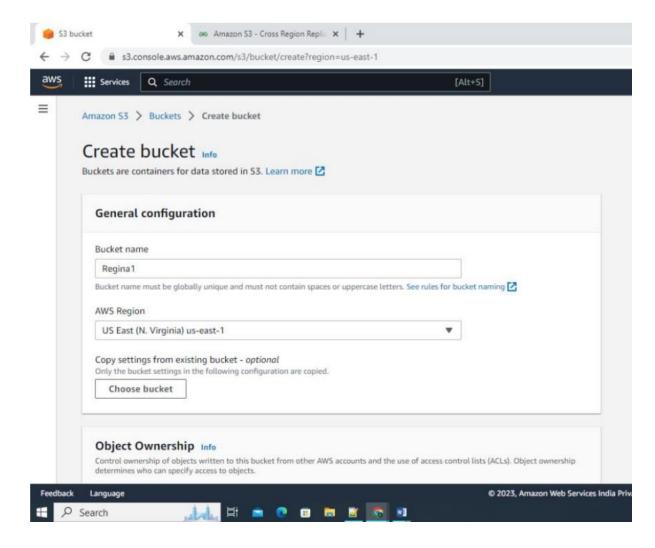
CROSS REGION REPLICATION

> PURPOSE:

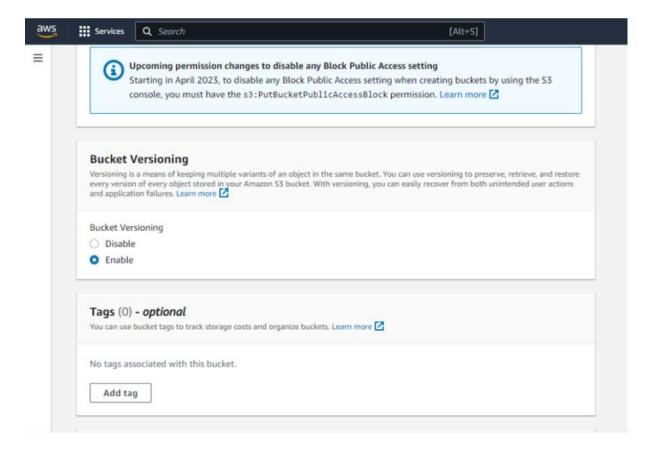
Cross region replication of S3 buckets is done to increase data durability and availability. It allows users to automatically copy objects across buckets in different AWS regions. This can help reduce latency, comply with regulatory requirements, and provide backup in case of disasters.

> PROCEDURE:

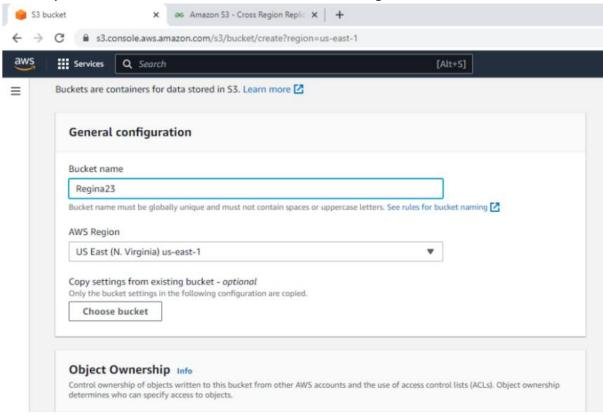
- Create two S3 buckets and enable versioning on both of them.
- Bucket 1



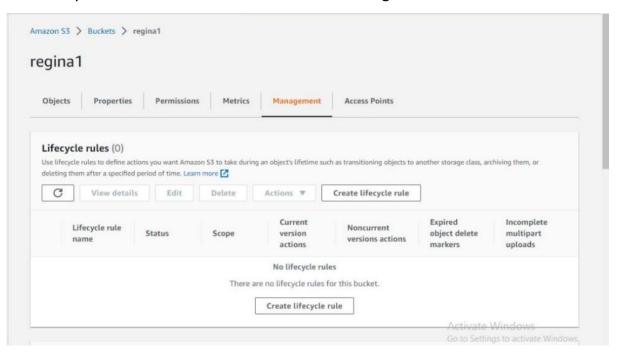
Enabling Bucket versioning



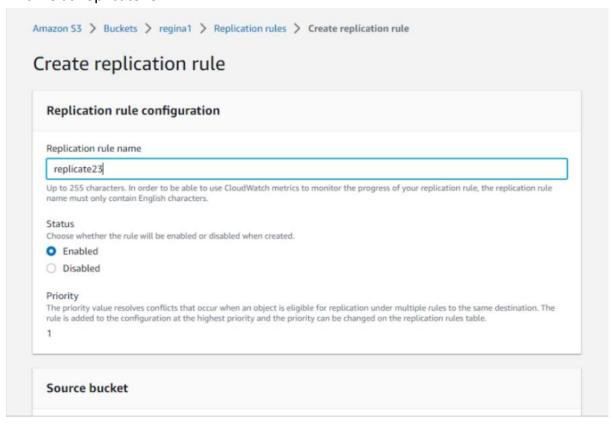
Similarly create Bucket 2 and enable Bucket versioning.



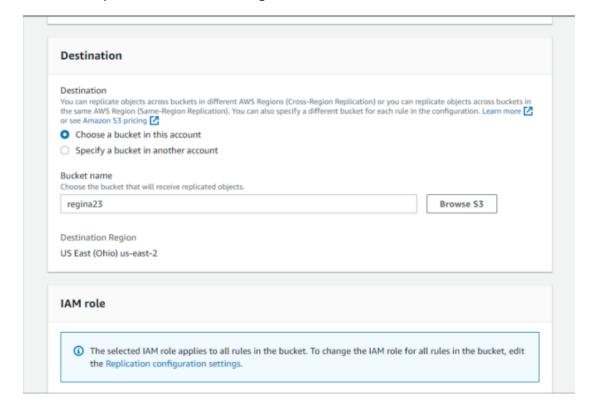
Click on your first bucket and head over to the management tab



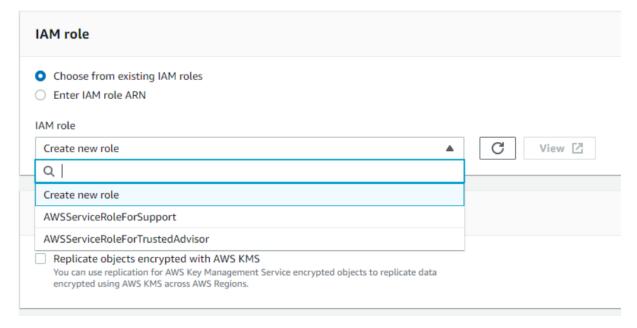
 Click on "Create a replication rule" and give your replication rule a name as replicate23



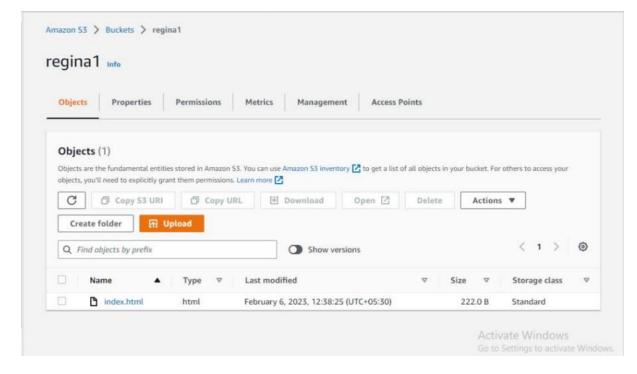
 Choose the second bucket as destination bucket the bucket in which we want to replicate data that is "regina23"



 To replicate objects from the source bucket to the destination bucket, you need to create an IAM role. So create one by clicking on "create a new role".



- Click on save, a screen will pop up asking if you want to replicate
 existing objects in the S3 bucket. But that will incur charges so it is up to
 individual choice, I will proceed without replicating existing objects and
 click on submit.
- Upload the data in source bucket that is in first bucket: regina1



• Now head over to your destination bucket: regina23 to check if the uploaded file is replicated to our destination bucket. You can see that our uploaded file is successfully copied to the destination bucket.

