NAME: VADITHE USHA BAI

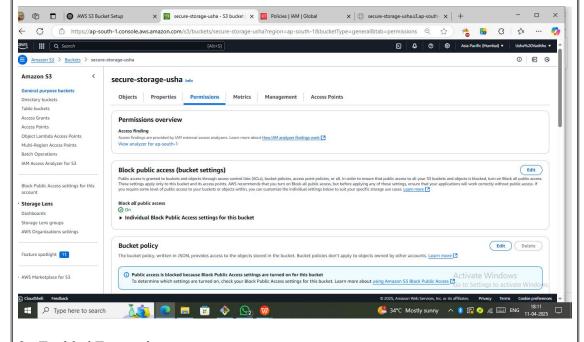
TASK:Cloud Security – IAM Policies, Secure Storage, and Data Encryption **Platform used:**Amazon Web Services (AWS)

STEPS PERFORMED:

1. Created a Secure S3 Bucket

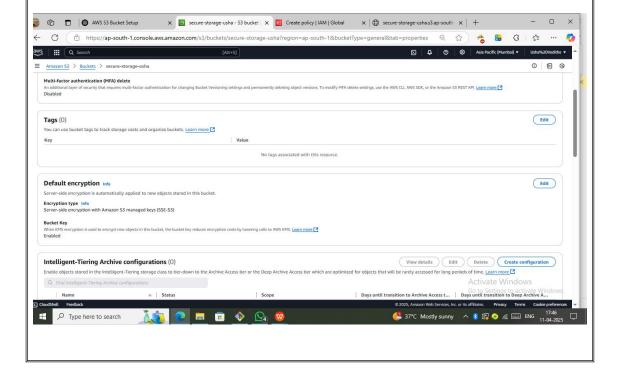
Bucket name: secure-storage-usha Region: Asia Pacific (Mumbai)

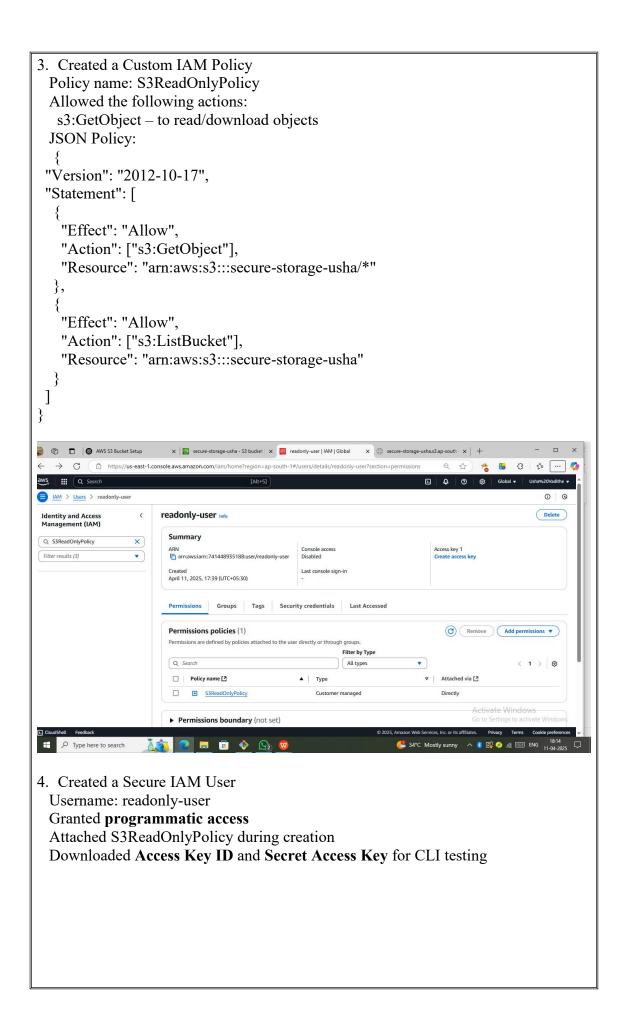
Blocked all public access to ensure data was private by default

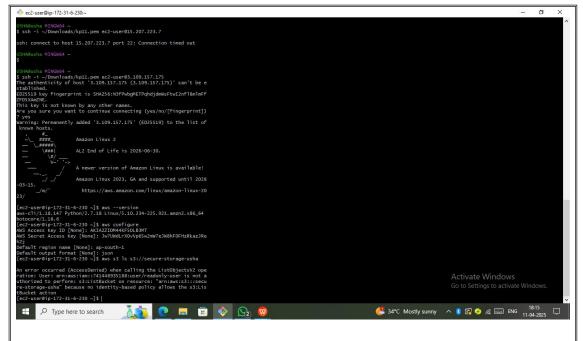


2. Enabled Encryption

Enabled **Default Encryption** using **SSE-S3 (Amazon S3-managed keys)** Verified that all uploaded objects are encrypted automatically





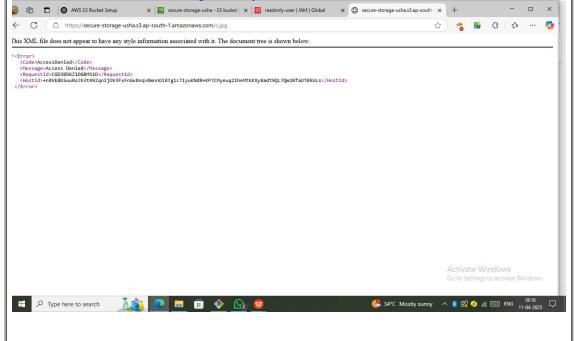


5. Tested Permissions Using AWS CLI

Configured AWS CLI using readonly-user credentials on EC2 Ran the following tests:

aws s3 ls s3://secure-storage-usha

aws s3 rm s3://secure-storage-usha/yourfile.txt



Conclusion:

Successfully implemented secure cloud storage using IAM policies for access control Server-side encryption (SSE-S3) Verified that access is correctly restricted to read-only for specific users