# Task 4: IAM Policies, Secure Storage, and Data Encryption

# ✓ Objective

Implement and demonstrate key AWS security features including:

- IAM policy creation and enforcement
- S3 bucket-level access control
- Server-side data encryption

#### **1** IAM Policy

- Created an IAM user: codtech-user
- Attached custom policy allowing limited access to codtech-secure-bucket-ztye
- User can only perform GetObject and PutObject on that bucket

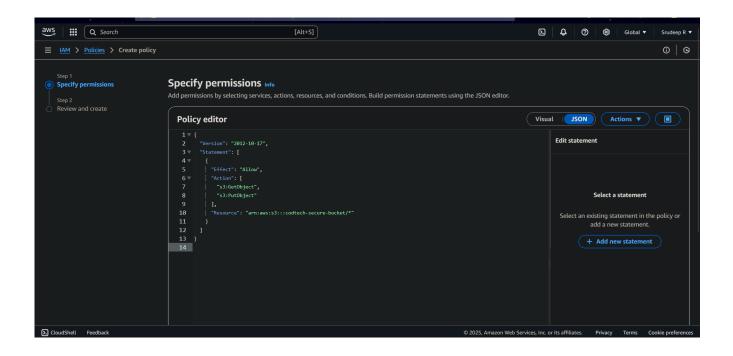
## Secure Storage Setup (S3)

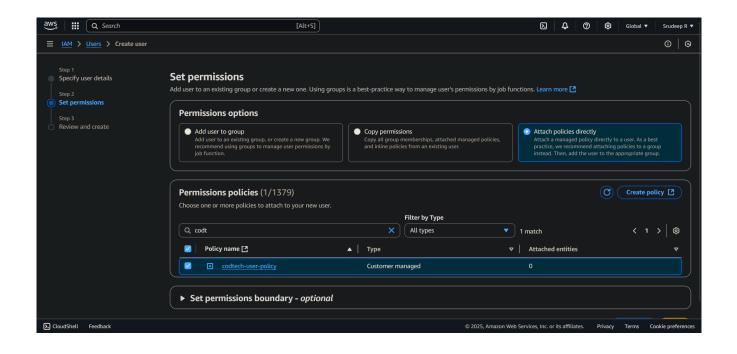
- Created a private S3 bucket: codtech-secure-bucket-ztye
- Blocked all public access
- Uploaded sample file: Task 4.txt

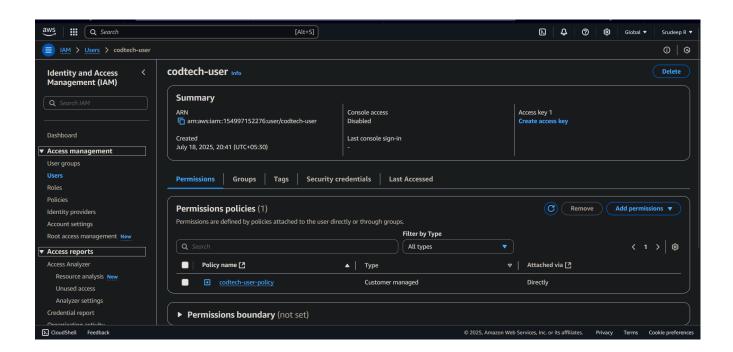
### **1** Data Encryption

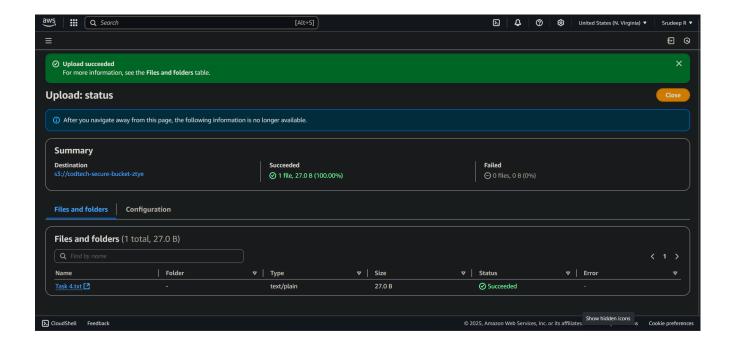
- Enabled AES-256 encryption at rest for all objects
- Verified encryption in the object metadata

#### Screenshots









Completed

🚃 Date: [18th July 2025]

Platform: AWS

Skills Demonstrated: IAM roles, least-privilege access, S3 bucket policy, server-side encryption