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Subject- Cloud Computing

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Task(3)- CLOUD SECURITY IMPLEMENTATION

IMPLEMENT IAM POLICIES, SECURE STORAGE,
AND DATA ENCRYPTION ON A CLOUD PLATFORM.
DELIVERABLE: CONFIGURED SECURITY
POLICIES AND A REPORT DETAILING THE SETUP.

• Objective-

To implement and demonstrate security best practices in the cloud using AWS services, including identity and access management, secure data storage, and encryption.

• Key Components:

1. IAM:

- Create users/roles
- Apply least privilege policies
- Enable MFA

2. Secure Storage (S3):

- Make buckets private
- Use bucket policies/ACLs
- Enable SSE-S3 encryption

3. Encryption:

- Encrypt data at rest (S3)
- Use HTTPS for in-transit data

• Screenshots After Task Submission-









