

## S3 Cross-Account Access

### 1. Introduction

This document explains how S3 Cross-Account access was configured so that Account B can upload objects to an S3 bucket owned by Account A while Account A remains the object owner.

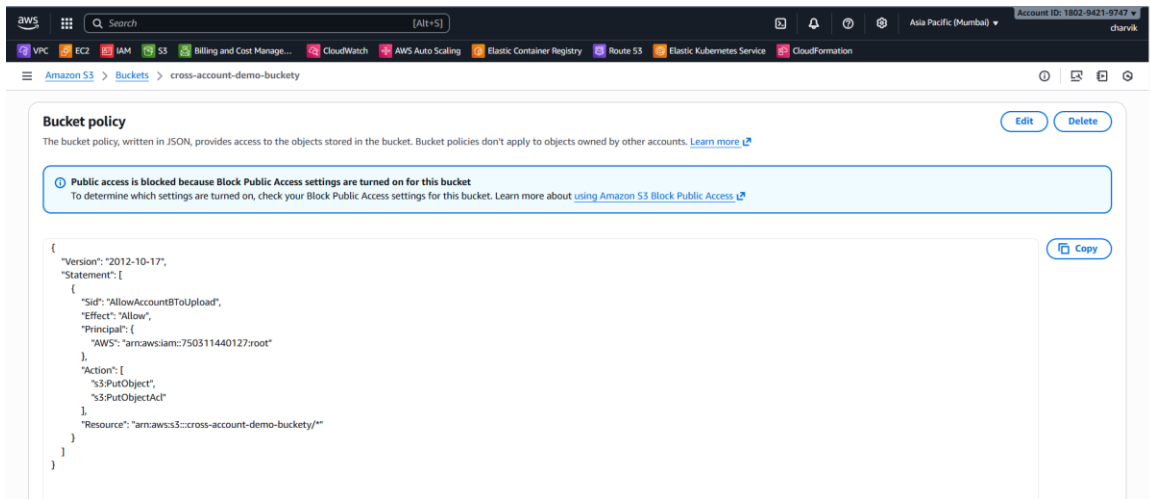
- Account A owns the S3 bucket: cross-account-demo-buckety
- Account B (ID: 750311440127) has an IAM user that uploads files
- ACL bucket-owner-full-control ensures Account A becomes owner

### 2. Account A Configuration (Bucket Owner)

S3 bucket was created with the name: cross-account-demo-buckety

Added the following bucket policy to allow uploads from Account B:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AllowAccountBToUpload",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::750311440127:root"
      },
      "Action": [
        "s3:PutObject",
        "s3:PutObjectAcl"
      ],
      "Resource": "arn:aws:s3:::cross-account-demo-buckety/*"
    }
  ]
}
```

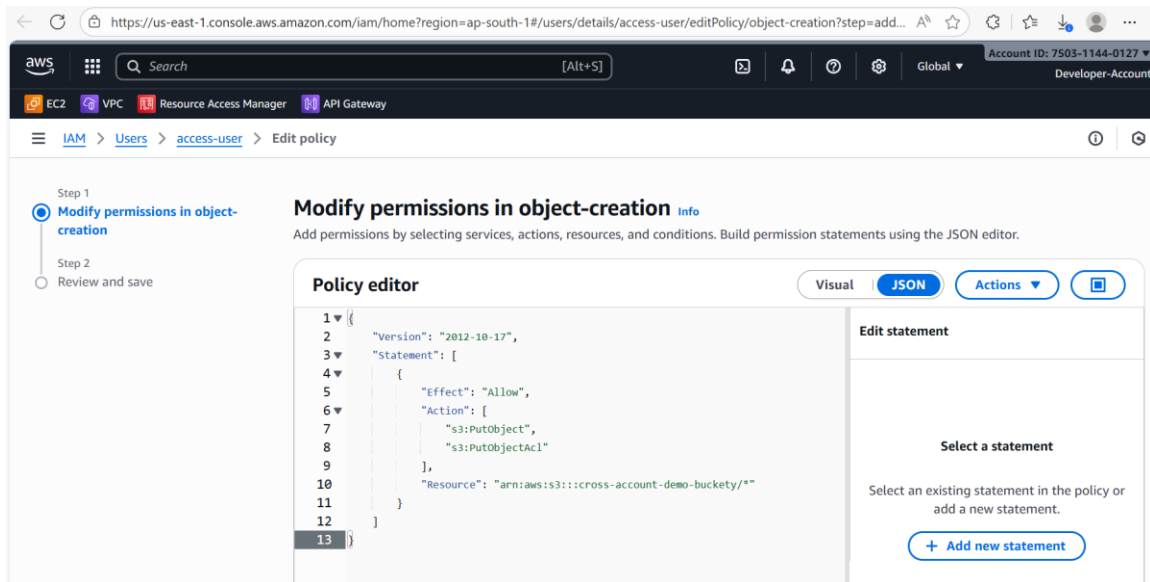


#### 4. Account B Configuration (Uploader)

IAM user created: access-user

Attached inline policy:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "s3:PutObject",
        "s3:PutObjectAcl"
      ],
      "Resource": "arn:aws:s3:::cross-account-demo-bucket/*"
    }
  ]
}
```



## 5. Uploading File from Account B Using AWS CLI

The following command was executed to upload a file to Account A bucket:

```
aws s3 cp "C:\Users\chandrashekhar\Downloads\f1.txt" s3://cross-account-demo-bucket/f1.txt --acl bucket-owner-full-control
```

```
C:\Users\chandrashekhar\Downloads>aws s3 cp "C:\Users\chandrashekhar\Downloads\f1.txt" s3://cross-account-demo-bucket/f1.txt --acl bucket-owner-full-control
upload: .\f1.txt to s3://cross-account-demo-bucket/f1.txt

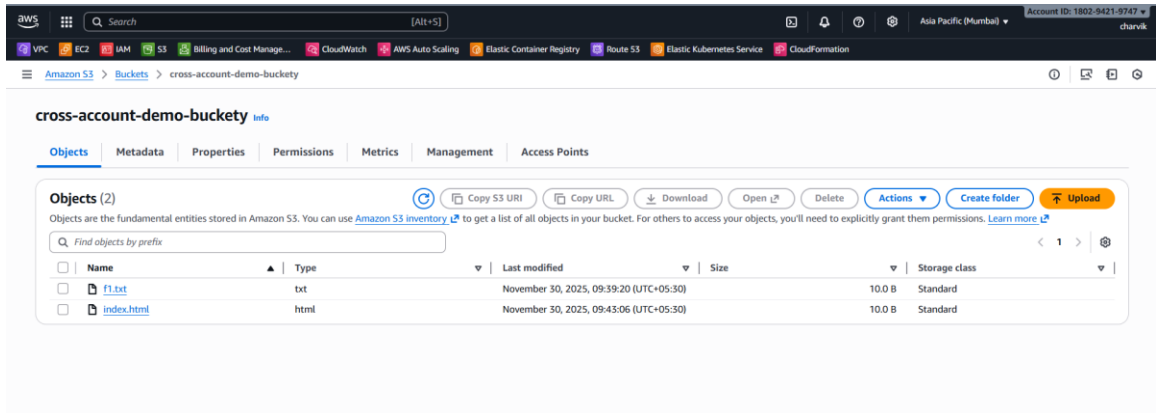
C:\Users\chandrashekhar\Downloads>aws s3 cp "C:\Users\chandrashekhar\Downloads\f1.txt" s3://cross-account-demo-bucket/index.html --acl bucket-owner-full-control
upload: .\f1.txt to s3://cross-account-demo-bucket/index.html

C:\Users\chandrashekhar\Downloads>
```

## 6. Verification in Account A

Verified that:

- File f1.txt exists in the bucket
- Owner is Account A



## 7. Conclusion

S3 Cross-Account upload was successfully implemented. Account B can upload objects, and Account A retains full ownership using bucket policies, IAM permissions, and ACL settings.