

Transferring Files Across AWS S3 Buckets in Different AWS Accounts Using Scripting

1. Created Two S3 Buckets

Source Account Bucket: sourcebucketnew2

Destination Account Bucket: dgpdemobucket2024

2. Create User in Source Account

User: userdemo

3. Create Custom Policy in Source Account

Policy Name: s3-permission-bucket

Policy Details: [Link to AWS Knowledge Center](#)

```
{  
  "Version": "2012-10-17",  
  "Statement": [  
    {  
      "Effect": "Allow",  
      "Action": [  
        "s3:ListBucket",  
        "s3:GetObject"  
      ],  
      "Resource": [  
        "arn:aws:s3:::sourcebucketnew2",  
        "arn:aws:s3:::sourcebucketnew2/*"  
      ]  
    }  
  ]  
}
```

```
]
},
{
  "Effect": "Allow",
  "Action": [
    "s3:ListBucket",
    "s3:PutObject",
    "s3:PutObjectAcl"
  ],
  "Resource": [
    "arn:aws:s3:::dgpdemobucket2024",
    "arn:aws:s3:::dgpdemobucket2024/*"
  ]
}
]
```

4. Attach Custom Policy to User

Attach s3-permission-bucket policy to userdemo

5. Create Access Key for s3admin_user

Description: keyId

Access Key ID: xxxxxxxxxx

Secret Access Key: xxxxxxxxxxxx

Destination Bucket Permissions

6. Configure Permissions for Destination Bucket

Go to hemanth_destination bucket settings.

Select Permissions.

Edit Bucket policy: JSON

```
{  
  "Version": "2012-10-17",  
  "Id": "Policy1611277539797",  
  "Statement": [  
    {  
      "Sid": "Stmt1611277535086",  
      "Effect": "Allow",  
      "Principal": {  
        "AWS": "arn:aws:iam::848033270001:user/s3admin_user"  
      },  
      "Action": "s3:PutObject",  
      "Resource": "arn:aws:s3:::hemanth_destination/*",  
      "Condition": {  
        "StringEquals": {  
          "s3:x-amz-acl": "bucket-owner-full-control"  
        }  
      }  
    },  
    {  
      "Sid": "Stmt1611277877767",  
      "Effect": "Allow",  
      "Principal": {
```

```
"AWS": "arn:aws:iam::848033270001:user/s3admin_user"

},

"Action": "s3:ListBucket",

"Resource": "arn:aws:s3:::hemanth_destination"

}

]

}
```

AWS CLI Configuration and Object Copy

7. Configure AWS CLI

Run aws configure and enter your AWS CLI credentials.

8. Copy Objects from Source to Destination Bucket

Use the following command to sync objects between the source and destination buckets, ensuring bucket owner full control:

```
aws s3 sync s3://sourcebucketnew2 s3://dgpdemobucket2024 --acl bucket-owner-full-control
```

```
heman@Hemanth3004 MINGW64 ~ (master)
$ cd

heman@Hemanth3004 MINGW64 ~ (master)
$ aws s3 sync s3://sourcebucketnew2 s3://dgpdemobucket2024 --acl bucket-owner-full-control

heman@Hemanth3004 MINGW64 ~ (master)
$ aws s3 sync s3://sourcebucketnew2 s3://dgpdemobucket2024 --acl bucket-owner-full-control
copy: s3://sourcebucketnew2/openinapp33.txt to s3://dgpdemobucket2024/openinapp33.txt
```

Objects (4)


Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)





  Copy S3 URI  Copy URL  Download  Open  Delete

Actions ▼

Create folder

 Upload

 Find objects by prefix

| <input type="checkbox"/> | Name ▲ | Type ▼ | Last modified ▼ | Size ▼ | Storage class ▼ |
|--------------------------|--|--------|--|--------|-----------------|
| <input type="checkbox"/> |  newfile1.txt | txt | September 12, 2023, 16:58:56 (UTC+05:30) | 0 B | Standard |
| <input type="checkbox"/> |  newtextfile1.txt | txt | September 12, 2023, 17:01:38 (UTC+05:30) | 0 B | Standard |
| <input type="checkbox"/> |  openinapp.txt | txt | September 12, 2023, 20:15:03 (UTC+05:30) | 0 B | Standard |
| <input type="checkbox"/> |  openinapp33.txt | txt | September 12, 2023, 20:34:17 (UTC+05:30) | 0 B | Standard |