

Cross Account S3 bucket access

- Create the bucket in Account A (Main Account)

The screenshot shows the AWS S3 console with a bucket named 'cross-account-demo-974655543823'. The bucket contains two objects: 'Certificate_script.sh' (type sh) and 'handon lab.txt' (type txt). Both objects were last modified on November 10, 2025, at different times (15:38:27 and 15:30:41 UTC+05:30). They are both stored in the Standard storage class.

- Add a bucket policy to allow Account B

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Principal": [
        "AWS",
        "arn:aws:iam::337763383169:user/DevAdmin",
        "arn:aws:iam::337763383169:role/CrossAccountS3AccessRole"
      ],
      "Action": [
        "s3:GetObject",
        "s3:ListBucket"
      ],
      "Resource": [
        "arn:aws:s3:::cross-account-demo-974655543823",
        "arn:aws:s3:::cross-account-demo-974655543823/*"
      ]
    }
  ]
}
```

The screenshot shows the 'Bucket policy' section for the 'cross-account-demo-974655543823' bucket. The policy is set to 'Public access is blocked because Block Public Access settings are turned on for this bucket'. The policy itself grants 'Allow' access to specific AWS accounts and roles for 'GetObject' and 'ListBucket' actions on the specified S3 bucket and its contents.

- Upload files to s3 buckets

The screenshot shows the 'Objects' list for the 'cross-account-demo-974655543823' bucket. It lists two objects: 'Certificate_script.sh' (type sh) and 'handon lab.txt' (type txt). Both objects were last modified on November 10, 2025, at different times (15:38:27 and 15:30:41 UTC+05:30). They are both stored in the Standard storage class.

- Create User in account b

The screenshot shows the 'Users' list in the AWS IAM console. There is one user named 'DevAdmin'. The user has one active login session and no active AWS API keys. The user was last signed in 2 hours ago via a password.

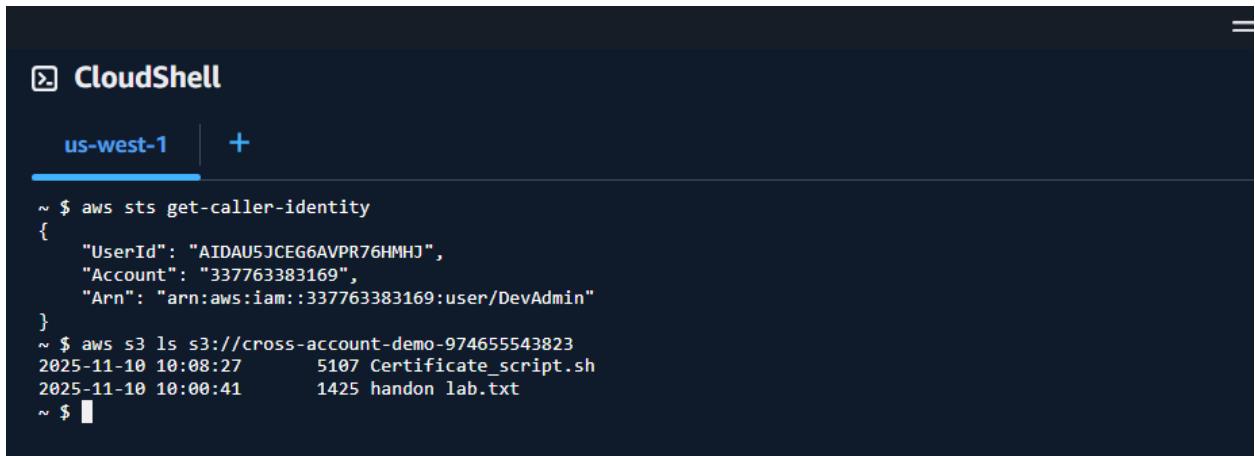
- Test using AWS CLI of account b



```
CloudShell
us-west-1 + 

~ $ aws sts get-caller-identity
{
    "UserId": "AIDAUSJCEG6AVPR76HMHJ",
    "Account": "337763383169",
    "Arn": "arn:aws:iam::337763383169:user/DevAdmin"
}
~ $ 
```

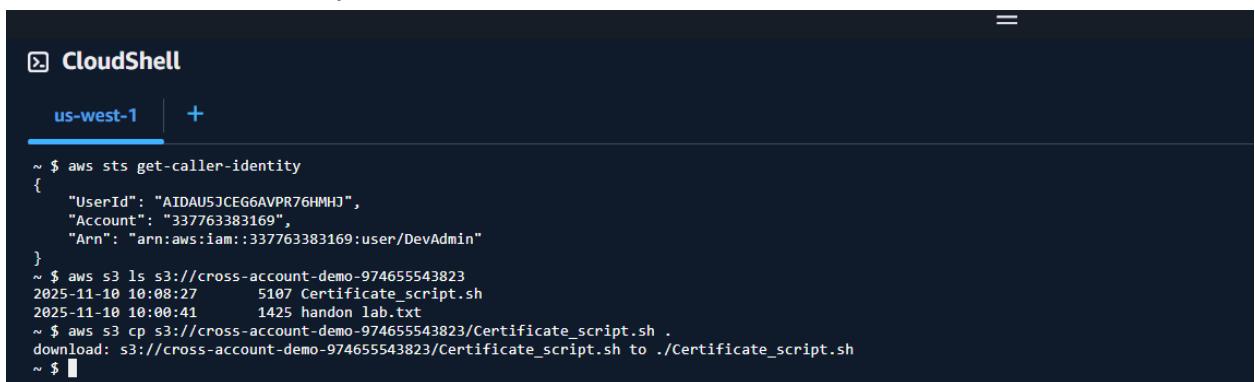
- List the S3 bucket objects from account A



```
CloudShell
us-west-1 + 

~ $ aws sts get-caller-identity
{
    "UserId": "AIDAUSJCEG6AVPR76HMHJ",
    "Account": "337763383169",
    "Arn": "arn:aws:iam::337763383169:user/DevAdmin"
}
~ $ aws s3 ls s3://cross-account-demo-974655543823
2025-11-10 10:08:27      5107 Certificate_script.sh
2025-11-10 10:00:41      1425 handon lab.txt
~ $ 
```

- Download S3 bucket objects from AccountA



```
CloudShell
us-west-1 + 

~ $ aws sts get-caller-identity
{
    "UserId": "AIDAUSJCEG6AVPR76HMHJ",
    "Account": "337763383169",
    "Arn": "arn:aws:iam::337763383169:user/DevAdmin"
}
~ $ aws s3 ls s3://cross-account-demo-974655543823
2025-11-10 10:08:27      5107 Certificate_script.sh
2025-11-10 10:00:41      1425 handon lab.txt
~ $ aws s3 cp s3://cross-account-demo-974655543823/Certificate_script.sh .
download: s3://cross-account-demo-974655543823/Certificate_script.sh to ./Certificate_script.sh
~ $ 
```

- Create New S3 bucket in Account B

The screenshot shows the AWS S3 console interface. At the top, the account ID is 5377-6358-3169 and the region is United States (N. California). A DevAdmin user is logged in. The navigation bar shows 'Amazon S3 > Buckets > s3-accountb-demo2'. Below the navigation, the bucket name 's3-accountb-demo2' is displayed with an 'Info' link. The main area is titled 'Objects (0)' and contains a message: 'No objects. You don't have any objects in this bucket.' There are buttons for 'Upload' and 'Actions'. Below the message, there's a search bar and a table header with columns: Name, Type, Last modified, Size, and Storage class.

- Copy Files from S3 bucket of Account A to S3 bucket of Account B

The screenshot shows the AWS CloudShell terminal. The region is set to us-west-1. The terminal window displays the following AWS CLI session:

```

~ $ aws sts get-caller-identity
{
    "UserId": "AIDAUSJCEGG6AVPR76HMHQ",
    "Account": "337763383169",
    "Arn": "arn:aws:iam::337763383169:user/DevAdmin"
}
~ $ aws s3 ls s3://cross-account-demo-974655543823
2025-11-10 10:08:27      5107 Certificate_script.sh
2025-11-10 10:00:41      1425 handon lab.txt
~ $ aws s3 cp s3://cross-account-demo-974655543823/Certificate_script.sh .
download: s3://cross-account-demo-974655543823/Certificate_script.sh to ./Certificate_script.sh
~ $ aws s3 cp s3://cross-account-demo-974655543823/Certificate_script.sh s3://s3-accountb-demo2/
copy: s3://cross-account-demo-974655543823/Certificate_script.sh to s3://s3-accountb-demo2/Certificate_script.sh
~ $ aws s3 ls s3://s3-accountb-demo2/
2025-11-10 11:44:28      5107 Certificate_script.sh
~ $ 

```

The screenshot shows the AWS S3 console interface. The navigation bar shows 'Amazon S3 > Buckets > s3-accountb-demo2'. The main area is titled 'Objects (1)' and lists a single file: 'Certificate_script.sh'. The file details are: Type: sh, Last modified: November 10, 2025, 17:14:20 (UTC+05:30), Size: 5.0 KB, Storage class: Standard. There are buttons for 'Actions' and 'Create folder'.