

AWS S3 CLI Cheat Sheet

cp - Copy local file or S3 object to another S3 bucket or locally

Copying a local file to S3

```
aws s3 cp test.txt s3://mybucket/test2.txt
```

Copying a local file to S3 with an expiration date

```
aws s3 cp test.txt s3://mybucket/test2.txt --expires 2014-10-01T20:30:00Z
```

Copying a file from S3 to S3

```
aws s3 cp s3://mybucket/test.txt s3://mybucket/test2.txt
```

Copying an S3 object to a local file

```
aws s3 cp s3://mybucket/test.txt test2.txt
```

Copying an S3 object from one bucket to another

```
aws s3 cp s3://mybucket/test.txt s3://mybucket2/
```

Recursively copying S3 objects to a local directory

```
aws s3 cp s3://mybucket . --recursive
```

Recursively copying local files to S3

```
aws s3 cp myDir s3://mybucket/ --recursive --exclude "*.jpg"
```

Recursively copying S3 objects to another bucket

```
aws s3 cp s3://mybucket/ s3://mybucket2/ --recursive --exclude "another/*"
```

Setting the Access Control List (ACL) while copying an S3 object

```
aws s3 cp s3://mybucket/test.txt s3://mybucket/test2.txt --acl public-read-write
```

Granting permissions for an S3 object

```
aws s3 cp file.txt s3://mybucket/ --grants read=uri=http://acs.amazonaws.com/groups/global/AllUsers full=emailaddress=user@example.com
```

Uploading a local file stream to S3

```
aws s3 cp - s3://mybucket/stream.txt
```

Downloading an S3 object as a local file stream

```
aws s3 cp s3://mybucket/stream.txt -
```

ls - List S3 objects and common prefixes under a prefix or all S3 buckets

Lists all of the bucket owned by the user

```
aws s3 ls
```

Recursively list objects in a bucket

```
aws s3 ls s3://mybucket --recursive
```

Lists objects and common prefixes under a specified bucket

```
aws s3 ls s3://mybucket
```

Recursively list objects in a bucket with human readable and summarize option

```
aws s3 ls s3://mybucket --recursive --human-readable --summarize
```

Lists objects and common prefixes under a specified bucket and prefix

```
aws s3 ls s3://mybucket/myPrefix
```

mv - Move local file or S3 object to another S3 bucket or locally

Moves a single file to a specified bucket and key.

```
aws s3 mv test.txt s3://mybucket/test2.txt
```

Moves a single s3 object to a specified bucket and key

```
aws s3 mv s3://mybucket/test.txt s3://mybucket/test2.txt
```

Moves a single object to a specified file locally

```
aws s3 mv s3://mybucket/test.txt test2.txt
```

Moves a single object to a specified bucket while retaining its original name.

```
aws s3 mv s3://mybucket/test.txt s3://mybucket2/
```

Recursively moves all objects

```
aws s3 mv s3://mybucket . --recursive
```

Recursively moves all files but exclude some file with specific extension

```
aws s3 mv myDir s3://mybucket/ --recursive --exclude "*.jpg"
```

Recursively moves all files but exclude some file with specific object

```
aws s3 mv s3://mybucket/ s3://mybucket2/ --recursive --exclude "mybucket/another/*"
```

Moves a single object to a specified bucket and key while setting the ACL to public-read-write

```
aws s3 mv s3://mybucket/test.txt s3://mybucket/test2.txt --acl public-read-write
```

Grant read access to all users and full control to a specific user identified by their email address.

```
aws s3 mv file.txt s3://mybucket/ --grants read=uri=http://acs.amazonaws.com/groups/global/AllUsers full=emailaddress=user@example.com
```

mv - Move local file or S3 object to another S3 bucket or locally

Moves a single file to a specified bucket and key.

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Moves a single s3 object to a specified bucket and key

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Moves a single object to a specified file locally

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Moves a single object to a specified bucket while retaining its original name.

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Recursively moves all objects

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Moves a single object to a specified bucket and key while setting the ACL to public-read-write

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aws s3 mv s3://mybucket/test.txt s3://mybucket/test2.txt --acl public-read-write
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Grant read access to all users and full control to a specific user identified by their email address.

```
aws s3 mv file.txt s3://mybucket/ --grants read=uri=http://acs.amazonaws.com/groups/global/AllUsers full=emailaddress=user@example.com
```

mb - Create an S3 buckets

Creates a bucket

```
aws s3 mb s3://mybucket
```

Creates a bucket in a region

```
aws s3 mb s3://mybucket --region us-west-1
```

presign - To generate presign URL for S3 Object

To create a pre-signed URL with the default one hour lifetime that links to an object in an S3 bucket

```
aws s3 presign s3://awsexamplebucket/test2.txt
```

To create a pre-signed URL with a custom lifetime that links to an object in an S3 bucket

```
aws s3 presign s3://awsexamplebucket/test2.txt --expires-in 604800
```

rb - To delete an empty S3 bucket

Remove a bucket

```
aws s3 rb s3://mybucket
```

Remove all of the objects in the bucket and then remove the bucket itself.

```
aws s3 rb s3://mybucket --force
```

rm - To delete S3 object

Delete an object

```
aws s3 rm s3://mybucket/test2.txt
```

Deletes all objects but excluding some objects with prefix

```
aws s3 rm s3://mybucket/ --recursive --exclude "another/*"
```

Recursively deletes all objects under a specified bucket

```
aws s3 rm s3://mybucket --recursive
```

Deletes all objects but excluding some objects

```
aws s3 rm s3://mybucket/ --recursive --exclude "*.jpg"
```

sync - To Sync directories and S3 prefixes

Syncs objects under a specified prefix and bucket to files in a local directory

```
aws s3 sync . s3://mybucket
```

Syncs objects under a specified prefix and bucket to files in a local directory by uploading the local files to s3

```
aws s3 sync . s3://mybucket --delete
```

Syncs files between two buckets in different regions

```
aws s3 sync s3://my-us-west-2-bucket s3://my-us-east-1-bucket --source-region us-west-2 --region us-east-1
```

Syncs objects under a two different buckets

```
aws s3 sync s3://mybucket s3://mybucket2
```

Syncs objects from S3 bucket to local directory but exclude objects with specific extension

```
aws s3 sync . s3://mybucket --exclude "*.jpg"
```

Syncs files in a local directory to S3 bucket

```
aws s3 sync s3://mybucket .
```

Syncs objects from S3 bucket to local directory but exclude specific directory for sync

```
aws s3 sync s3://mybucket/ . --exclude "another/*"
```