

This is a quick cheat sheet of high level and low-level Amazon S3 commands.

High Level Commands

- High level commands are commands that make common operations quick and easy
- **Paths in s3 start with s3://**

List Command (ls)

List all buckets in your account

```
aws s3 ls
```

List child objects in an s3 bucket

```
aws s3 ls s3://bucket-name
```

List child objects in an s3 folder/prefix

```
aws s3 ls s3://bucket-name
```

List all objects in an s3 folder/prefix and all nested folders

```
aws s3 ls s3://bucket-name/folder-name --recursive
```

Copy Command (cp)

Copy contents of one location to another

```
aws s3 cp <source> <destination>
```

Copy contents of one location to another including all nested folders/prefixes

```
aws s3 cp <source> <destination> --recursive
```

Copy objects from one path to another and add custom meta data to the copied objects

```
aws s3 cp <source> <destination> --metadata "customer=acme,key=value"
```

Sync Command (sync)

The sync command is useful for only copying or updating objects that have changed since the last sync or copy.

Sync contents of source to destination including all nested folders

```
aws s3 sync <source> <destination> --recursive
```

If you want objects removed from the source to be removed from the destination, use - -delete

```
aws s3 sync <source> <destination> --recursive --delete
```

Move Command (mv)

Move files from source to destination. Files are removed from source.

```
aws s3 mv <source> <destination>
```

Move files from source to destination recursively.

```
aws s3 mv <source> <destination> --recursive
```

Remove Command (rm)

Remove a single object

```
aws s3 rm s3://bucket-name/prefix/object-name.txt
```

Remove all objects from a path and all nested folder/prefixes.

```
aws s3 rm s3://bucket-name/prefix -recursive
```

Low Level Commands

- Low level commands correspond to AWS Rest API Operations.
- Use these to manage bucket tags and object tags

Put Bucket Tagging

Replace the tags on a bucket

```
aws s3api put-bucket-tagging --bucket <bucket name> --tagging  
TagSet=[{Key=color,Value=blue}]
```

Get Bucket Tagging

Fetch the tags currently on a bucket

```
aws s3api get-bucket-tagging --bucket <bucket name>
```

Delete Bucket Tagging

Delete the tags currently on a bucket

```
aws s3api delete-bucket-tagging --bucket <bucket name>
```

List Objects in a Bucket

```
aws s3api list-objects --bucket <bucket name>
```

Put Object Tags on an Object

```
aws s3api put-object-tagging --bucket <bucket name> --key <object key>  
--tagging TagSet=[{Key=customer,Value=acme}]
```

Delete Object Tags from an Object

```
aws s3api delete-object-tagging --bucket <bucket> --key <object key>
```

Get Tags on an Object

```
aws s3api get-object-tagging --bucket <bucket> --key <object key>
```

Get Meta-Data on an Object

```
aws s3api head-object --bucket <bucket> --key <object key>
```