

S3 Cheatsheet

Authentication

aws configure

Set up AWS credentials for S3 access

aws s3 presign s3://bucket-name/object-key

Generate a pre-signed URL for temporary access to an object

Bucket Operations

aws s3 ls

List all buckets

aws s3 mb s3://bucket-name

Create a new bucket

aws s3 rb s3://bucket-name

Delete an empty bucket

aws s3 rb s3://bucket-name --force

Delete a bucket and all its contents

Object Operations

aws s3 ls s3://bucket-name

List objects in a bucket

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

List all objects in a bucket including subdirectories

aws s3 cp file.txt s3://bucket-name/

Upload a file to a bucket

aws s3 cp s3://bucket-name/file.txt ./

Download a file from a bucket

aws s3 mv file.txt s3://bucket-name/

Move/rename a file to S3

aws s3 rm s3://bucket-name/file.txt

Delete an object

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

Delete all objects in a bucket

Sync Operations

aws s3 sync . s3://bucket-name/

Sync local directory to S3 bucket

aws s3 sync s3://bucket-name/ .

Sync S3 bucket to local directory

aws s3 sync . s3://bucket-name/ --delete

Sync and delete files that don't exist in source

Access Control

aws s3api get-bucket-policy --bucket bucket-name

View bucket policy

aws s3api put-bucket-policy --bucket bucket-name

--policy file://policy.json

Set bucket policy

aws s3api get-bucket-acl --bucket bucket-name

View bucket ACL

aws s3api put-bucket-acl --bucket bucket-name --

acl public-read

Set bucket ACL

Monitoring

aws s3api get-metric-statistics

Get bucket metrics

aws cloudwatch get-metric-statistics --namespace

AWS/S3

Get S3 metrics from CloudWatch

aws s3api get-bucket-notification-configuration --

bucket bucket-name

View notification configuration