

EBS Cheatsheet

Connection

aws ec2 describe-instances

List all EC2 instances including those with EBS volumes

aws ec2 describe-volumes

List all EBS volumes in your account

aws ec2 describe-volumes --filters

Name=attachment.instance-id,Values=i-1234567890abcdef0

List EBS volumes attached to a specific instance

aws configure

Set up AWS CLI credentials to access EBS

Volume Management

aws ec2 create-volume --availability-zone us-west-2a --size 100

Create a new 100GB EBS volume in specified AZ

aws ec2 attach-volume --volume-id vol-1234567890abcdef0 --instance-id i-1234567890abcdef0 --device /dev/sdf

Attach an EBS volume to an instance

aws ec2 detach-volume --volume-id vol-1234567890abcdef0

Detach an EBS volume from an instance

aws ec2 delete-volume --volume-id vol-1234567890abcdef0

Delete an EBS volume

Monitoring

aws cloudwatch get-metric-statistics --namespace AWS/EBS --metric-name VolumeReadOps --dimensions

Name=VolumeId,Value=vol-1234567890abcdef0

Get read operations metrics for a specific volume

aws cloudwatch get-metric-statistics --namespace AWS/EBS --metric-name VolumeWriteOps --dimensions

Name=VolumeId,Value=vol-1234567890abcdef0

Get write operations metrics for a specific volume

aws cloudwatch get-metric-statistics --namespace AWS/EBS --metric-name VolumeQueueLength --dimensions

Name=VolumeId,Value=vol-1234567890abcdef0

Get queue length metrics for a specific volume

Snapshots

aws ec2 create-snapshot --volume-id vol-1234567890abcdef0 --description 'Snapshot for backup'

Create a snapshot of an EBS volume

aws ec2 describe-snapshots --owner-ids self

List all snapshots owned by your account

aws ec2 delete-snapshot --snapshot-id snap-1234567890abcdef0

Delete a snapshot

aws ec2 copy-snapshot --source-region us-west-2 --source-snapshot-id snap-1234567890abcdef0 --destination-region us-east-1

Copy a snapshot to another region

Performance

aws ec2 modify-volume --volume-id vol-1234567890abcdef0 --volume-type gp3 --iops 3000 --throughput 125

Modify an EBS volume to change its type and performance characteristics

aws ec2 describe-volumes-modifications --volume-ids vol-1234567890abcdef0

Check the status of a volume modification

Encryption

aws ec2 copy-snapshot --source-region us-west-2 --source-snapshot-id snap-1234567890abcdef0 --encrypted

Create an encrypted copy of a snapshot

aws ec2 create-volume --snapshot-id snap-1234567890abcdef0 --encrypted --kms-key-id alias/aws/ebs

Create an encrypted volume from a snapshot