**AWS CLI- Commands**

* **Install AWS-CLI on your laptop**

Refer: <https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html>

(Download and run the AWS CLI MSI installer for Windows (64-bit):

<https://awscli.amazonaws.com/AWSCLIV2.msi> )

* **Check the version of aws-cli**

aws- -version

* **To access your AWS services using cli, configure aws cli**

aws configure

# AWSAccess Key ID[\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*]:

# AWSSecretAccessKey[\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*]:

# Default region name [ap-south-1]:

# Default output format [json]: json

* **To show the list of buckets in your aws account**

awss3ls

# Toseetheobjectsofparticular bucket

awss3lsmeriko

# Toseetheallobjectofs3whicharealsoinanydirectory

awss3lsmeriko--recursive

* **To see the file size in human readable format**

awss3lsmeriko--recursive--human-readable

* **To see total no. of objects and size used**

awss3lsmeriko--human-readable –summarize

awss3lsmeriko--recursive--human-readable–summarize

* **To create new bucket**

awss3mbs3://newbucket1323

aws s3 ls

# Toadd/upload/copyanobjectsintobuckets

awss3cppath\_of\_file\_you\_want\_to\_copys3://bucketname Desktop\images\\_MG\_0992.JPG s3://newbucket1323

# Todownload/copyanimagefrombuckettolaptop

1. **Todownloadfileatcurrentworkingdirectory**

awss3cps3://newbucket1323/\_MG\_0992.JPG .

1. **Todownloadfileon desktop**

awss3cps3://newbucket1323/\_MG\_0992.JPG.\Desktop\

1. **Todownloadfileondesktopinmydir**

awss3cps3://newbucket1323/\_MG\_0992.JPG.\Desktop\mydir\

# To move the object from one bucket to another

aws s3 mv s3://newbucket1323/\_MG\_0992.JPG s3://meriko/

# To move the object from one bucket to another with different name

awss3mvs3://newbucket1323/\_MG\_0992.JPGs3://meriko/myimg.jpg

# To sync

awss3sync.\desktop\data\s3://new10323

(Adds only new files to data folder and then run same command)

aws s3 sync .\desktop\data\s3://new10323

(Wecandoitinreverseordertoo-frombucketto desktop)

# To move we use: mv command

But we cannot able tomove files/foldersfromDesktoptoS3 mvisusedtomovedatafromonebuckettoanother

awss3mvs3://nadipowershellperu/cake2.jpgs3://meriko

# To delete object from bucket

awss3rms3://new10323/index.jpg

# To delete bucket

awss3rbs3://new10323(thisbucketwillnotdeletedifitisnotempty)

Firstdeleteallobjectsfrombucketandthenuseabovecommandelseremovebucketforcefully.

aws s3 rb s3://new10323 - -force

awss3ls

# To get url of any s3 object

awss3presigns3://merabillmaffkro/ravi/images/image.

# To get link/URL of object which is active for certain time period

awss3presigns3://merabillmaffkro/ravi/images/image.png--expires-in60

# To get the version id of an object from a s3 bucket

aws s3api list-object-versions --bucket mybucket140324 --output=json --query='{Objects: Versions[].{Key:Key,VersionId:VersionId}}'

# To delete an object from show versions or to delete an object using version id

aws s3api delete-object --bucket mybucket140324 --key gm.jpg --version-id iipcxeHlx\_OMJMpk2dMtJNNK5rQfOq1n

# To delete all the objects permanently

$objects = aws s3api list-object-versions --bucket mybucket140324--output=json --query="{Objects: Versions[].{Key:Key,VersionId:VersionId}}" | ConvertFrom-Json

foreach ($object in $objects.Objects) {

aws s3api delete-object --bucket mybucket140324 --key $object.Key --version-id $object.VersionId

}

# To create ACL-enabled bucket

aws s3api create-bucket --bucket BUCKET\_NAME --acl ACL\_VALUE --region REGION

(ACL\_VALUE –private/ public-read/ public-read-write/authenticated-read)

Ex: aws s3api create-bucket --bucket my-test-bucket --acl public-read --region us-east-1

# To enable MFADelete

awss3apiput-bucket-versioning--bucketmy-bucket-7feb--versioning-configuration Status=Enabled,MFADelete=Enabled--mfa"arn:aws:iam::956481627174:mfa/myAuth282100"

(OnceyouenableMFADeleteforanybucket,youarenotableto deleteanyobjectfromthatbucket or even you are not able to delete that bucket.)

# To Disable MFADelete

awss3apiput-bucket-versioning--bucketmy-bucket-7feb--versioning-configuration Status=Enabled,MFADelete=Disabled--mfa"arn:aws:iam::956481627174:mfa/myAuth908380"

**AWS CLICommands for EC2**

# To show list of all regions

awsec2describe-regions

# To show the list of instances present in your region (region that you specified while aws configure)

awsec2describe-instances

# To start an instance

awsec2startinstances--instance-idi-08872114b77f4d348

# To start multiple instances with one command

awsec2startinstances--instance-idsi-08872114b77f4d348i-0077f6a957c88f05di- 01129098a90ff9ef4

# To start an instance

awsec2stopinstances--instance-idi-08872114b77f4d348

# To stop multiple instances with one command

awsec2stop-instances--instance-idsi-08872114b77f4d348i-0077f6a957c88f05di- 01129098a90ff9ef4

# To terminate an instance

awsec2terminate-instances--instance-idi-01129098a90ff9ef4

# To terminate multiple instances with one command

awsec2terminate-instances--instance-idsi-08872114b77f4d348i-0077f6a957c88f05di- 01129098a90ff9ef4

# To launch a new instance

aws ec2 run-instances --image-id ami-08df646e18b182346 --count 1 --instance-type t2.micro -- key-namewindows--security-group-idssg-013eb167fe9ff8a68

# To create key pair

awsec2create-key-pair--key-nameMyKey--query'KeyMaterial'--outputtext>MyKey.ppk

# To see list of all security groups

aws ec2describe-security-groups

# To create security group

awsec2create-security-group--group-namemysgrp--description"my-security-group"

# To add inbound rules to security group

1. **Toaddport22(defaultportofSSH)**

aws ec2 authorize-security-group-ingress --group-id sg-07179bfb93ab342e6 --protocol tcp -- port 22 --cidr 0.0.0.0/0

1. **Toaddport80(defaultportofHTTP)**

aws ec2 authorize-security-group-ingress --group-id sg-07179bfb93ab342e6 --protocol tcp -- port 80 --cidr 0.0.0.0/0

1. **Toaddport443(defaultportofHTTPS)**

aws ec2 authorize-security-group-ingress --group-id sg-07179bfb93ab342e6 --protocol tcp -- port 443 --cidr 0.0.0.0/0

# To delete key-pair

awsec2delete-key-pair--key-namemyppk

# To delete any security group

awsec2delete-security-group--group-namemysgrp

**AWSCLIcommandsforVPC**

# To create a VPC

awsec2create-vpc--cidr-block10.0.0.0/16

# To create a subnet

awsec2create-subnet--vpc-idvpc-12345678--cidr-block10.0.1.0/24

# To create internet-gateway

aws ec2 create-internet-gateway

# To attach internet-gateway to VPC

aws ec2 attach-internet-gateway

# To create route table and add route of internet-gateway

awsec2create-route--route-table-idrtb-12345678--destination-cidr-block0.0.0.0/0--gateway-id igw-12345678