

# Amazon AWS

## AWS Cli tools Installation

Reference: <https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2.html>

- install AWS CLI version 2

## AWS S3 commands

- After installation, test the AWS commands
- list the buckets

```
# aws s3 ls
```

- if the above command fail, it is because you have not configure the credentials yet
- check your credentials
- <https://aws.amazon.com/premiumsupport/knowledge-center/s3-locate-credentials-error/>

```
# aws configure list
```

```
donlee@desktop-p27sreq apao2021 % aws configure list
  Name                               Value                               Type   Location
  ---                               -
  profile                             <not set>                          None   None
  access_key                           <not set>                          None   None
  secret_key                           <not set>                          None   None
  region                               <not set>                          None   None
```

- run the following command and enter the Access key and secret.

```
# aws configure
```

- Enter the AWS Access Key ID and AWS Secret Access Key and leave other blank
  - AWS Access Key ID: ask your administrator
  - AWS Secret Access Key: ask your administrator
  - Default region name: Leave blank and Enter
  - Default output format: Leave blank and Enter

```
donlee@desktop-p27sreq apao2021 % aws configure
AWS Access Key ID [None]: AKIARIYVMV
AWS Secret Access Key [None]: XanD94
Default region name [None]:
Default output format [None]:
donlee@desktop-p27sreq apao2021 %
```

- check your credentials again to see if it is success

```
# aws configure list
```

```
donlee@desktop-p27sreq apao2021 % aws configure list
Name                               Value                               Type   Location
-----                               -
profile                             <not set>                           None   None
access_key                          *****3H77                          shared-credentials-file
secret_key                           *****wK/q                          shared-credentials-file
region                               <not set>                           None   None
donlee@desktop-p27sreq apao2021 %
```

- Now, try list all bucket again

```
# aws s3 ls
```

## AWS S3 Sync commands

Reference:

<https://docs.aws.amazon.com/cli/latest/userguide/cli-services-s3-commands.html#using-s3-command-s-managing-objects-sync>

- sync desired bucket by AWS S3 Sync command

```
# aws s3 sync <source> <target>
```

- sync all files from a bucket to your local folder
  - create an empty folder e.g. apao2021
  - remember to put `s3:bucket (source)` in front of your localpath (target) `<code> # cd ~/Downloads # mkdir apao2021 # cd apao2021 # aws s3 sync s3:apao2021 .`

</code>

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