

# 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
  - create an empty folder e.g. localpath
  - remember to put `s3:bucket` in front of your localpath `<code> # mkdir ~/localpath # aws s3 sync s3:bucketname ~/localpath`

</code>

- example

```
# cd ~/Downloads/apao2021
# aws s3 sync s3://apao2021 .
```

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