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
- check your credentials

```
# 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[redacted]
AWS Secret Access Key [None]: XanD94[redacted]
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 %
```

AWS S3 Sync commands

Reference:
https://docs.aws.amazon.com/cli/latest/userguide/cli-services-s3-commands.html#using-s3-commands-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 the source (s3 bucket) before your target (local folder)

```
# mkdir apao2021
# cd apao2021
# aws s3 sync s3://apao2021 .
```

- By default, the sync command will DOWNLOAD all newly uploaded files to your local folder when you run it. So, you may run it regularly to download new file, if any.

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



Please note that if you delete a file on your local folder, the next time you run the AWS S3 sync will download it again.

Troubleshooting



fatal error: An error occurred (IllegalLocationConstraintException) when calling the ListObjectsV2 operation: The ap-east-1 location constraint is incompatible for the region specific endpoint this request was sent to.

If failed, try change the region to 'ap-east-1' by running the 'aws configure' again.

- 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: input ap-east-1 and Enter
  - Default output format: Leave blank and Enter

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