

[Q 1] Amazon AWS SDK boto3 사용하기 ... Python을 이용하는 경우(다른 언어 SDK 사용해도 됨)

<https://boto3.amazonaws.com/v1/documentation/api/latest/guide/quickstart.html> 의 내용을 참고하여 과제를 진행

key\_id, access\_key, region 을 파일에 저장해 두거나 (아래 설명 참고), 또는 지난 과제를 참고해서 aws configure 명령을 통해 사용자 인증하기

Alternatively, you can create the credentials file yourself. By default, its location is `~/.aws/credentials`. At a minimum, the credentials file should specify the access key and secret access key. In this example, the key and secret key for the account are specified the `default` profile:

```
[default]
aws_access_key_id = YOUR_ACCESS_KEY
aws_secret_access_key = YOUR_SECRET_KEY
```

You may also want to add a default region to the AWS configuration file, which is located by default at `~/.aws/config`:

```
[default]
region=us-east-1
```

boto3 설치하기: pip install boto3

```
PS C:\Users\daniel> pip install boto3
Collecting boto3
  Downloading boto3-1.20.5-py3-none-any.whl (131 kB)
    |#####| 131 kB 3.2 MB/s
Collecting s3transfer<0.6.0,>=0.5.0
  Downloading s3transfer-0.5.0-py3-none-any.whl (79 kB)
    |#####| 79 kB ...
Collecting jmespath<1.0.0,>=0.7.1
  Downloading jmespath-0.10.0-py2.py3-none-any.whl (24 kB)
Collecting botocore<1.24.0,>=1.23.5
  Downloading botocore-1.23.5-py3-none-any.whl (8.1 MB)
    |#####| 8.1 MB 6.8 MB/s
Requirement already satisfied: python-dateutil<3.0.0,>=2.1 in c:\users\daniel\appdata\local\programs\python\python37\lib\site-packages (from botocore<1.24.0,>=1.23.5->boto3) (2.8.1)
Requirement already satisfied: urllib3<1.27,>=1.25.4 in c:\users\daniel\appdata\local\programs\python\python37\lib\site-packages (from botocore<1.24.0,>=1.23.5->boto3) (1.26.5)
Requirement already satisfied: six>=1.5 in c:\users\daniel\appdata\local\programs\python\python37\lib\site-packages (from python-dateutil<3.0.0,>=2.1->botocore<1.24.0,>=1.23.5->boto3) (1.15.0)
Installing collected packages: jmespath, botocore, s3transfer, boto3
Successfully installed boto3-1.20.5 botocore-1.23.5 jmespath-0.10.0 s3transfer-0.5.0
WARNING: You are using pip version 21.1.2; however, version 21.3.1 is available.
You should consider upgrading via the 'c:\users\daniel\appdata\local\programs\python\python37\python.exe -m pip install --upgrade pip' command.
PS C:\Users\daniel>
```

## 계정 정보 조회하기

### <코드>

```
1  import boto3
2
3  account_id = boto3.client('sts').get_caller_identity().get('Account')
4  print('Account ID: ', account_id)
5
```

### <실행 결과>

```
Account ID: 796883185869
PS D:\> 
```

## S3 버킷 조회하기

<코드>

```
>>> import boto3
>>> s3 = boto3.resource('s3')
>>> for bucket in s3.buckets.all():
...     print(bucket.name)
...
>>> _
```

(현재, 생성된 버킷이 없어서 아무런 출력 값이 나오지 않은 상황)