

# 5thWeek Practice Report

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```
venv > s3_folder.py > ...
1 import os
2 import boto3
3 import time
4 import sys
5
6 session = boto3.Session(profile_name = 'default')
7 s3 = session.client('s3')
8
9 def download(s3, bucket, obj, local_file_path):
10     s3.download_file(bucket, obj, local_file_path)
11
12 def upload(s3, local_file_path, bucket, obj):
13     s3.upload_file(local_file_path, bucket, obj)
14
15 def make_public_read(s3, bucket, key):
16     s3.put_object_acl(ACL='public-read', Bucket = bucket, Key = key)
17
18 bucketname = "bucketforadvanced"
19 s3path = "test/"
20
21 if __name__ == '__main__':
22     # 업로드할 컨테이너가 들어있는 폴더 경로, 객체의 퍼블릭 설정 값, 다운로드 설정 값 변수 생성
23     local_folder_path = sys.argv[1] + '/'
24     publicOpt = int(sys.argv[2])
25     downOpt = int(sys.argv[3])
26
27     #폴더 내에 파일이름을 한번씩 가져옴
28     for file_name in os.listdir(local_folder_path):
29         #파일이름, 로컬컴퓨터에서 파일경로, s3에서 파일경로/이름 변수생성
30         local_file_path = os.path.join(local_folder_path, file_name)
31         s3path_filename = s3path + file_name
32
33         #업로드진행
34         upload(s3, local_file_path, bucketname, s3path_filename)
35         print("finish upload ", "local_path=", local_file_path, ", bket_name=", bucketname, ", s3_path", s3path_filename)
36
37         #public 설정 값 확인 후 처리
38         if publicOpt == 1:
39             make_public_read(s3, bucketname, s3path_filename)
40
41         #download설정 값 확인 후 처리
42         if downOpt == 1:
43             download(s3, bucketname, s3path_filename, local_file_path + 'roms3')
```

s3\_folder.py 파일 실행화면

파일이 업로드 될 때마다 로컬경로, bucket\_name, s3내에 경로 출력

```
(venv) venv > python3 s3_folder.py /home/bout/boss 1 1
finish upload local_path= /home/bout/boss/Nouver.txt , bket_name= bucketforadvanced , s3_path test/Nouver.txt
finish upload local_path= /home/bout/boss/Karanda.txt , bket_name= bucketforadvanced , s3_path test/Karanda.txt
finish upload local_path= /home/bout/boss/Kzarka.txt , bket_name= bucketforadvanced , s3_path test/Kzarka.txt
(venv) venv >
```

<input type="checkbox"/>	Name	Type	Last modified
<input type="checkbox"/>	<a href="#">Karanda.txt</a>	txt	April 6, 2024, 22:02:01 (UTC+09:00)
<input type="checkbox"/>	<a href="#">Kzarka.txt</a>	txt	April 6, 2024, 22:02:01 (UTC+09:00)
<input type="checkbox"/>	<a href="#">Nouver.txt</a>	txt	April 6, 2024, 22:02:01 (UTC+09:00)

## ACL 옵션값 확인

Amazon S3 > Buckets > bucketforadvanced > test/ > Karanda.txt

### Karanda.txt [Info](#)

[Copy S3 URI](#) [Download](#) [Open](#) [Object actions](#)

Properties **Permissions** Versions

#### Access control list (ACL) [Edit](#)

Grant basic read/write permissions to AWS accounts. [Learn more](#)

Grantee	Object	Object ACL
Object owner (your AWS account) Canonical ID: 62175c0363af961187d04b1a31407240072815bf217b478aebd879ad0723ff91	Read	Read, Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	Read	-
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	-	-

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## 파일 다운여부 확인

```
boss > ls
Karanda.txt      Kzarka.txt      Nouver.txt
Karanda.txtroms3 Kzarka.txtroms3 Nouver.txtroms3
boss >
```