

How to batch download data using obsutil

1. Please refer this link to download and install obsutils.

https://support.huaweicloud.com/intl/en-us/utiltg-obs/obs_11_0003.html

2. Please refer this link to prepare your AK/SK

https://support.huaweicloud.com/intl/en-us/utiltg-obs/obs_11_0004.html

read the section after this chapter to create AK/SK.

4. Obtain access keys.

OBS uses AKs and SKs in user accounts for signature verification to ensure that only authorized accounts can access specified OBS resources. Detailed explanations about AK and SK are as follows:

- Access key ID (AK): indicates the ID of the access key, which is a unique identifier used together with a secret access key to sign requests cryptographically.
- Secret access key (SK): indicates the private key used together with its associated AK to cryptographically sign requests. The AK and SK are used together to identify a request sender to prevent the request from being modified.

NOTE:

A user can create a maximum of two valid access keys.

3. Configure tools obsutil

```
# obsutil config -i=AK -k=SK -e=obs.ap-southeast-1.myhuaweicloud.com
```

```
root@ecs-cla5:~# ./obsutil config -i=WKXMFCL0GAMGL1HSIGU2 -k=jn10SbYhgXCd6n5aOB4400tMkgBgGeb7cYmKbV1s -e=obs.ap-southeast-1.myhuaweicloud.com
Config file url:
/root/.obsutilconfig
Update config file successfully!
```

- 1) AK : is your **Access Keys** value
- 2) SK : is your **Secret Access Key** value
- 3) obs.ap-southeast-1.myhuaweicloud.com : is endpoint of OBS, HongKong region, for Audaque's data storage on HongKong.

4. Batch download all data to your linux machine.

```
# obsutil cp obs://competition2023/NUS-BAC-competition2023 ./data -r -f
```

```
root@ecs-cla5:~# ./obsutil cp obs://competition2023/NUS-BAC-competition2023 ./data -r -f
Start at 2023-02-24 05:13:45.077717581 +0000 UTC

Parallel:      5           Jobs:      5
Threshold:    50.00MB      PartSize:  auto
VerifyLength: false      VerifyMd5:  false
CheckpointDir: /root/.obsutil_checkpoint
OutputDir:    /root/.obsutil_output
TempFileDir:  /root

[> ] 0.28% tps:0.15 1.29MB/s 16/117 210.45MB/74.53GB 16h25m41s
```

- 1) obs://competition2023/NUS-BAC-competition2023: the directory of competition data, followed is the sub directory.

```
obs://competition2023-sg/NUS-BAC-competition2023/demos
obs://competition2023-sg/NUS-BAC-competition2023/tickdata
```

- 2) /data: the destination directory of your local linux, you could change it to anywhere.

5. Batch copy all data to your owner OBS bucket.

Assume your OBS bucket has been created on Singapore region, for example name is "competition2023-my".

Notice: Bucket name is globally unique, so if there is a conflict, please change its name.

```
# obsutil config -i=AK -k=SK -e=obs.ap-southeast-1.myhuaweicloud.com -crr
# obsutil config -i=AK -k=SK -e=obs.ap-southeast-3.myhuaweicloud.com
```

```
root@ecs-cla5:~# ./obsutil config -i=AK -k=SK -e=obs.ap-southeast-1.myhuaweicloud.com -crr
Config file url:
/root/.obsutilconfig

Update config file successfully!
root@ecs-cla5:~# ./obsutil config -i=AK -k=SK -e=obs.ap-southeast-3.myhuaweicloud.com
Config file url:
/root/.obsutilconfig
```

- 1) obs.ap-southeast-3.myhuaweicloud.com is Singapore Region OBS endpoint

```
# obsutil cp obs://competition2023/NUS-BAC-competition2023
obs://competition2023-my -r -f -crr
```

```
root@ecs-cla5:~# ./obsutil cp obs://competition2023/NUS-BAC-competition2023 obs://competition2023-my -r -f -crr
Start at 2023-02-24 07:00:07.295294805 +0000 UTC

Parallel:      5          Jobs:      5
Threshold:    50.00MB    PartSize:   auto
VerifyLength: false    VerifyMd5: false
CheckpointDir: /root/.obsutil_checkpoint
OutputDir: /root/.obsutil_output

[>_____] 0.17% tps:0.39 1.76MB/s 16/117 127.66MB/74.53GB 12h1m19s^C
Task id: 53cald11-cce6-4fe0-8583-7af6e99bela2
```

Notice: "competition2023-my" should be changed to your owner name.

After finish batch copy data to your owner bucket, suggest you to change the default endpoint to hongkong region.

```
# obsutil config -i=AK -k=SK -e=obs.ap-southeast-1.myhuaweicloud.com
```

More detail about the obsutil, please read the online help:

https://support.huaweicloud.com/intl/en-us/utiltg-obs/obs_11_0001.html