AWS OSS 迁移数据至首云 OSS

1、下载并安装 rclone 迁移工具

https://rclone.org/downloads/

Rclone Download v1.54.1

Arch-OS	Windows	macOS	Linux	.deb	.rpm	FreeBSD	NetBSD	OpenBSD	Plan9	Solaris
Intel/AMD - 64 Bit	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Intel/AMD - 32 Bit	⬇	-	⬇	⬇	⬇	⬇	⬇	⬇	⬇	-
ARMv6 - 32 Bit	-	-	⬇	⬇	⬇	⬇	⬇	-	-	-
ARMv7 - 32 Bit	-	-	⬇	⬇	⬇	⬇	⬇	-	-	-
ARM - 64 Bit	-	-	⬇	⬇	⬇	-	-	-	-	-
MIPS - Big Endian	-	-	⬇	⬇	⬇	-	-	-	-	-
MIPS - Little Endian	-	-	⬇	⬇	⬇	-	-	-	-	-

You can also find a mirror of the downloads on GitHub.

Script download and install

To install rclone on Linux/macOS/BSD systems, run:

```
curl https://rclone.org/install.sh | sudo bash
```

For beta installation, run:

```
curl https://rclone.org/install.sh | sudo bash -s beta
```

Note that this script checks the version of rclone installed first and won't re-download if not needed.

Twitter
Facebook
Reddit
Star 26,503

Links

Rclone forum
GitHub project
Rclone slack
Rclone Wiki
Donate
@njcw

2、设置配置文件

2.1 命令行选择配置文件，执行 rclone config

```
root@debian:~# rclone config

e) Edit existing remote
n) New remote
d) Delete remote
r) Rename remote
c) Copy remote
s) Set configuration password
q) Quit config
e/n/d/r/c/s/q> n
name> aws
Type of storage to configure.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
```

```
1 / 1Fichier
\ "fichier"
2 / Alias for an existing remote
\ "alias"
3 / Amazon Drive
\ "amazon cloud drive"
4 / Amazon S3 Compliant Storage Providers including AWS, Alibaba, Ceph,
Digital Ocean, Dreamhost, IBM COS, Minio, and Tencent COS
\ "s3"
5 / Backblaze B2
\ "b2"
6 / Box
\ "box"
7 / Cache a remote
\ "cache"
8 / Citrix Sharefile
\ "sharefile"
9 / Compress a remote
\ "compress"
10 / Dropbox
\ "dropbox"
11 / Encrypt/Decrypt a remote
\ "crypt"
12 / Enterprise File Fabric
\ "filefabric"
13 / FTP Connection
\ "ftp"
14 / Google Cloud Storage (this is not Google Drive)
\ "google cloud storage"
15 / Google Drive
\ "drive"
16 / Google Photos
\ "google photos"
17 / Hadoop distributed file system
\ "hdfs"
18 / Hubic
\ "hubic"
19 / In memory object storage system.
\ "memory"
20 / Jottacloud
\ "jottacloud"
```

21 / Koofr
\ "koofr"
22 / Local Disk
\ "local"
23 / Mail.ru Cloud
\ "mailru"
24 / Mega
\ "mega"
25 / Microsoft Azure Blob Storage
\ "azureblob"
26 / Microsoft OneDrive
\ "onedrive"
27 / OpenDrive
\ "opendrive"
28 / OpenStack Swift (Rackspace Cloud Files, Memset Memstore, OVH)
\ "swift"
29 / Pcloud
\ "pcloud"
30 / Put.io
\ "putio"
31 / QingCloud Object Storage
\ "qingstor"
32 / SSH/SFTP Connection
\ "sftp"
33 / Sugarsync
\ "sugarsync"
34 / Tardigrade Decentralized Cloud Storage
\ "tardigrade"
35 / Transparently chunk/split large files
\ "chunker"
36 / Union merges the contents of several upstream fs
\ "union"
37 / Webdav
\ "webdav"
38 / Yandex Disk
\ "yandex"
39 / Zoho
\ "zoho"
40 / http Connection
\ "http"
41 / premiumize.me

\ "premiumizeme"
42 / seafile
\ "seafile"
Storage> 4
** See help for s3 backend at: https://rclone.org/s3/ **

Choose your S3 provider.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
1 / Amazon Web Services (AWS) S3
\ "AWS"
2 / Alibaba Cloud Object Storage System (OSS) formerly Aliyun
\ "Alibaba"
3 / Ceph Object Storage
\ "Ceph"
4 / Digital Ocean Spaces
\ "DigitalOcean"
5 / Dreamhost DreamObjects
\ "Dreamhost"
6 / IBM COS S3
\ "IBMCOS"
7 / Minio Object Storage
\ "Minio"
8 / Netease Object Storage (NOS)
\ "Netease"
9 / Scaleway Object Storage
\ "Scaleway"
10 / StackPath Object Storage
\ "StackPath"
11 / Tencent Cloud Object Storage (COS)
\ "TencentCOS"
12 / Wasabi Object Storage
\ "Wasabi"
13 / Any other S3 compatible provider
\ "Other"
provider> 1
Get AWS credentials from runtime (environment variables or EC2/ECS meta data if no env vars).
Only applies if access_key_id and secret_access_key is blank.
Enter a boolean value (true or false). Press Enter for the default ("false").
Choose a number from below, or type in your own value

```
1 / Enter AWS credentials in the next step
\ "false"
2 / Get AWS credentials from the environment (env vars or IAM)
\ "true"
env_auth> 1
AWS Access Key ID.
Leave blank for anonymous access or runtime credentials.
Enter a string value. Press Enter for the default ("").
access_key_id> TEST
AWS Secret Access Key (password)
Leave blank for anonymous access or runtime credentials.
Enter a string value. Press Enter for the default ("").
secret_access_key> TEST
Region to connect to.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
/ The default endpoint - a good choice if you are unsure.
1 | US Region, Northern Virginia, or Pacific Northwest.
| Leave location constraint empty.
\ "us-east-1"
/ US East (Ohio) Region
2 | Needs location constraint us-east-2.
\ "us-east-2"
/ US West (Northern California) Region
3 | Needs location constraint us-west-1.
\ "us-west-1"
/ US West (Oregon) Region
4 | Needs location constraint us-west-2.
\ "us-west-2"
/ Canada (Central) Region
5 | Needs location constraint ca-central-1.
\ "ca-central-1"
/ EU (Ireland) Region
6 | Needs location constraint EU or eu-west-1.
\ "eu-west-1"
/ EU (London) Region
7 | Needs location constraint eu-west-2.
\ "eu-west-2"
/ EU (Paris) Region
8 | Needs location constraint eu-west-3.
\ "eu-west-3"
```

/ EU (Stockholm) Region
9 | Needs location constraint eu-north-1.
\ "eu-north-1"
/ EU (Milan) Region
10 | Needs location constraint eu-south-1.
\ "eu-south-1"
/ EU (Frankfurt) Region
11 | Needs location constraint eu-central-1.
\ "eu-central-1"
/ Asia Pacific (Singapore) Region
12 | Needs location constraint ap-southeast-1.
\ "ap-southeast-1"
/ Asia Pacific (Sydney) Region
13 | Needs location constraint ap-southeast-2.
\ "ap-southeast-2"
/ Asia Pacific (Tokyo) Region
14 | Needs location constraint ap-northeast-1.
\ "ap-northeast-1"
/ Asia Pacific (Seoul)
15 | Needs location constraint ap-northeast-2.
\ "ap-northeast-2"
/ Asia Pacific (Osaka-Local)
16 | Needs location constraint ap-northeast-3.
\ "ap-northeast-3"
/ Asia Pacific (Mumbai)
17 | Needs location constraint ap-south-1.
\ "ap-south-1"
/ Asia Pacific (Hong Kong) Region
18 | Needs location constraint ap-east-1.
\ "ap-east-1"
/ South America (Sao Paulo) Region
19 | Needs location constraint sa-east-1.
\ "sa-east-1"
/ Middle East (Bahrain) Region
20 | Needs location constraint me-south-1.
\ "me-south-1"
/ Africa (Cape Town) Region
21 | Needs location constraint af-south-1.
\ "af-south-1"
/ China (Beijing) Region
22 | Needs location constraint cn-north-1.

\ "cn-north-1"
/ China (Ningxia) Region
23 | Needs location constraint cn-northwest-1.
\ "cn-northwest-1"
/ AWS GovCloud (US-East) Region
24 | Needs location constraint us-gov-east-1.
\ "us-gov-east-1"
/ AWS GovCloud (US) Region
25 | Needs location constraint us-gov-west-1.
\ "us-gov-west-1"
region> 2
Endpoint for S3 API.
Leave blank if using AWS to use the default endpoint for the region.
Enter a string value. Press Enter for the default ("").
endpoint> s3.us-east-2.amazonaws.com
Location constraint - must be set to match the Region.
Used when creating buckets only.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
1 / Empty for US Region, Northern Virginia, or Pacific Northwest.
\ ""
2 / US East (Ohio) Region.
\ "us-east-2"
3 / US West (Northern California) Region.
\ "us-west-1"
4 / US West (Oregon) Region.
\ "us-west-2"
5 / Canada (Central) Region.
\ "ca-central-1"
6 / EU (Ireland) Region.
\ "eu-west-1"
7 / EU (London) Region.
\ "eu-west-2"
8 / EU (Paris) Region.
\ "eu-west-3"
9 / EU (Stockholm) Region.
\ "eu-north-1"
10 / EU (Milan) Region.
\ "eu-south-1"
11 / EU Region.
\ "EU"

12 / Asia Pacific (Singapore) Region.
\ "ap-southeast-1"
13 / Asia Pacific (Sydney) Region.
\ "ap-southeast-2"
14 / Asia Pacific (Tokyo) Region.
\ "ap-northeast-1"
15 / Asia Pacific (Seoul) Region.
\ "ap-northeast-2"
16 / Asia Pacific (Osaka-Local) Region.
\ "ap-northeast-3"
17 / Asia Pacific (Mumbai) Region.
\ "ap-south-1"
18 / Asia Pacific (Hong Kong) Region.
\ "ap-east-1"
19 / South America (Sao Paulo) Region.
\ "sa-east-1"
20 / Middle East (Bahrain) Region.
\ "me-south-1"
21 / Africa (Cape Town) Region.
\ "af-south-1"
22 / China (Beijing) Region
\ "cn-north-1"
23 / China (Ningxia) Region.
\ "cn-northwest-1"
24 / AWS GovCloud (US-East) Region.
\ "us-gov-east-1"
25 / AWS GovCloud (US) Region.
\ "us-gov-west-1"
location_constraint> 2
Canned ACL used when creating buckets and storing or copying objects.

This ACL is used for creating objects and if bucket_acl isn't set, for creating buckets too.

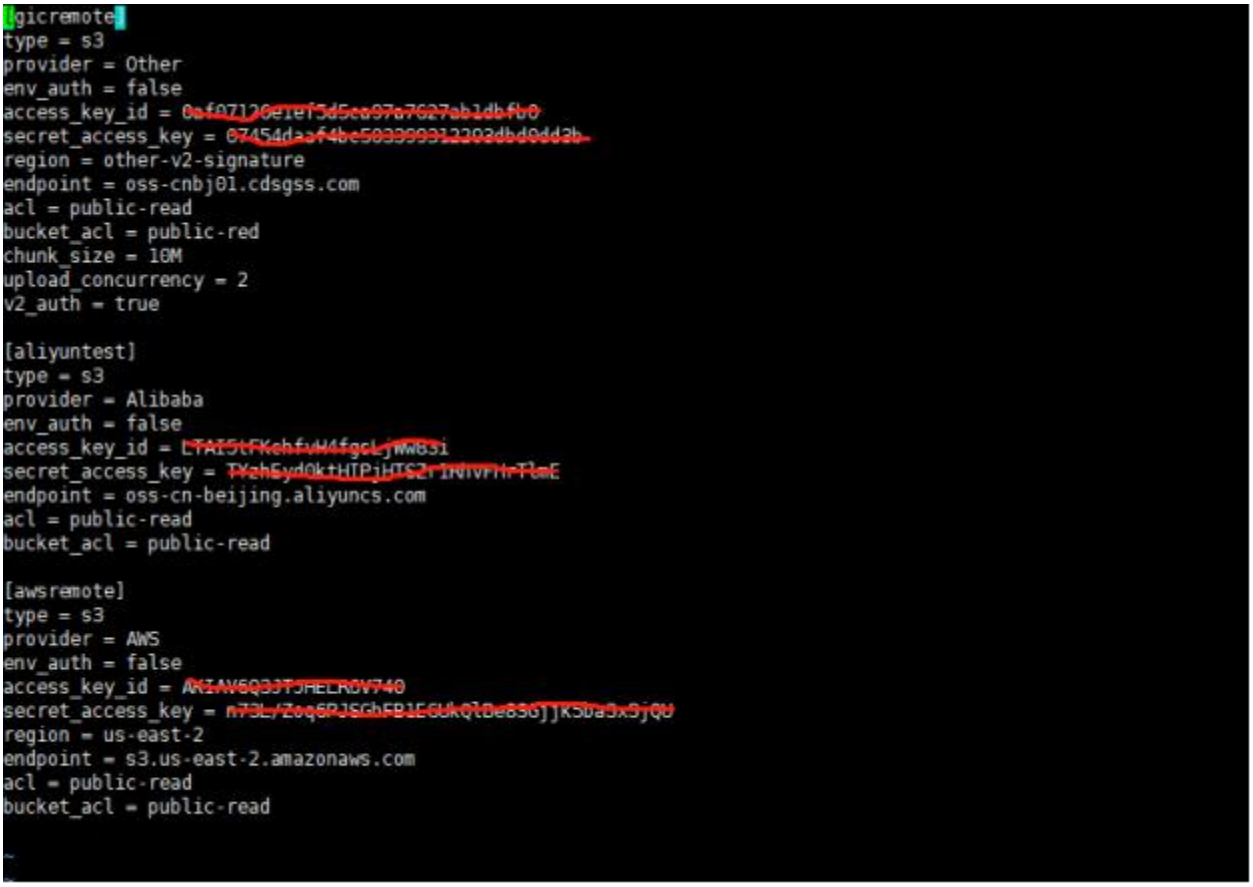
For more info visit https://docs.aws.amazon.com/AmazonS3/latest/dev/acl-overview.html#canned-acl

Note that this ACL is applied when server-side copying objects as S3 doesn't copy the ACL from the source but rather writes a fresh one.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value

```
1 / Owner gets FULL_CONTROL. No one else has access rights (default).
\ "private"
2 / Owner gets FULL_CONTROL. The AllUsers group gets READ access.
\ "public-read"
/ Owner gets FULL_CONTROL. The AllUsers group gets READ and WRITE access.
3 | Granting this on a bucket is generally not recommended.
\ "public-read-write"
4 / Owner gets FULL_CONTROL. The AuthenticatedUsers group gets READ access.
\ "authenticated-read"
/ Object owner gets FULL_CONTROL. Bucket owner gets READ access.
5 | If you specify this canned ACL when creating a bucket, Amazon S3 ignores
it.
\ "bucket-owner-read"
/ Both the object owner and the bucket owner get FULL_CONTROL over the object.
6 | If you specify this canned ACL when creating a bucket, Amazon S3 ignores
it.
\ "bucket-owner-full-control"
acl> 2
The server-side encryption algorithm used when storing this object in S3.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
1 / None
\ ""
2 / AES256
\ "AES256"
3 / aws:kms
\ "aws:kms"
server_side_encryption> 1
If using KMS ID you must provide the ARN of Key.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
1 / None
\ ""
2 / arn:aws:kms:*
\ "arn:aws:kms:us-east-1:*"
sse_kms_key_id> 1
The storage class to use when storing new objects in S3.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
1 / Default
\ ""
```

```
2 / Standard storage class
\ "STANDARD"
3 / Reduced redundancy storage class
\ "REDUCED_REDUNDANCY"
4 / Standard Infrequent Access storage class
\ "STANDARD_IA"
5 / One Zone Infrequent Access storage class
\ "ONEZONE_IA"
6 / Glacier storage class
\ "GLACIER"
7 / Glacier Deep Archive storage class
\ "DEEP_ARCHIVE"
8 / Intelligent-Tiering storage class
\ "INTELLIGENT_TIERING"
storage_class> 1
Edit advanced config? (y/n)
y) Yes
n) No (default)
y/n> N
Remote config
--------------------
[aws]
type = s3
provider = AWS
env_auth = false
access_key_id = TEST
secret_access_key = TEST
region = us-east-2
endpoint = s3.us-east-2.amazonaws.com
location_constraint = us-east-2
acl = public-read
--------------------
y) Yes this is OK (default)
e) Edit this remote
d) Delete this remote
y/e/d> Y
```

2.2 或者编辑 vim ./config/rclone/rclone.conf




```
[gicremote]
type = s3
provider = Other
env_auth = false
access_key_id = 0af07126e1ef5d5ca97a7XXX
secret_access_key = 07454daaf4bc50339931XXX
region = other-v2-signature
endpoint = oss-cnbj01.cdsgss.com
acl = public-read
bucket_acl = public-red
chunk_size = 10M
upload_concurrency = 2
v2_auth = true

[awsremote]
type = s3
provider = AWS
env_auth = false
access_key_id = AKIAV6Q3JTJHELR6XXXX
```

```
secret_access_key = n73L/Zoq6PJSGhFB1EXXXXX
region = us-east-2
endpoint = s3.us-east-2.amazonaws.com
acl = public-read
bucket_acl = public-read
```

3、验证配置是否正确

验证 AWS：rclone ls awsremote:test001-ddw

awsremote:配置文件 remote 名称

test001-ddw: AWS 对象存储桶名称

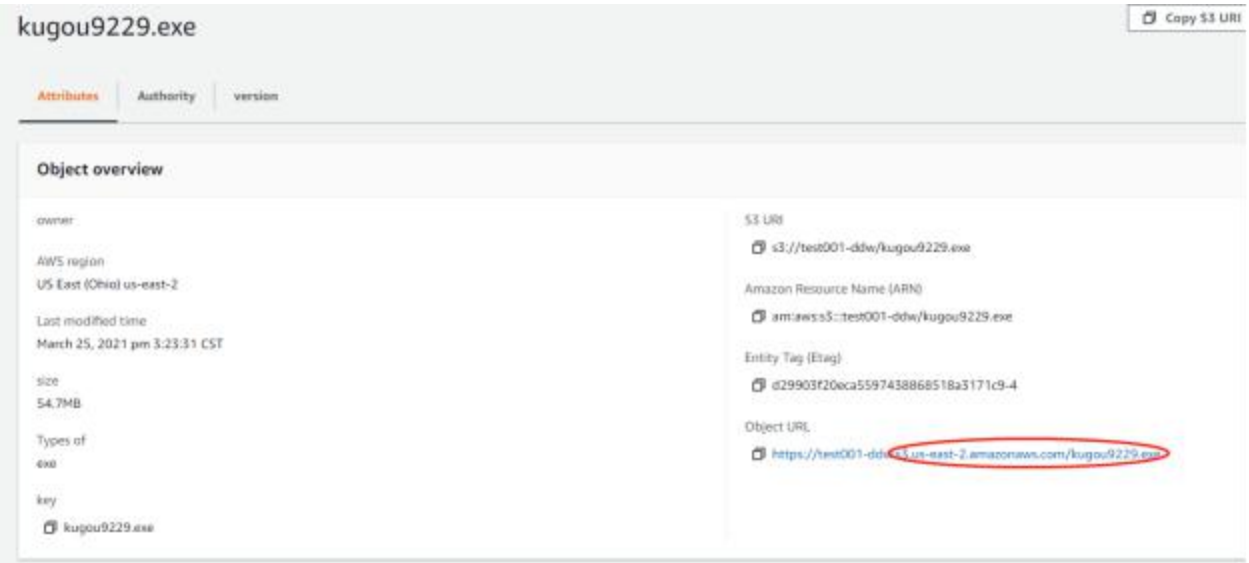
阿里首都在线：rclone ls gicremote:demo-test

4、执行数据迁移

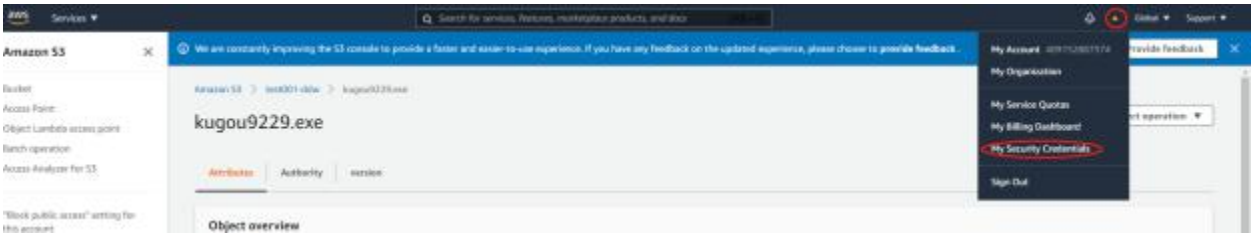
```
rclone copyto awsremote:test001-ddw gicremote:demo-test
```

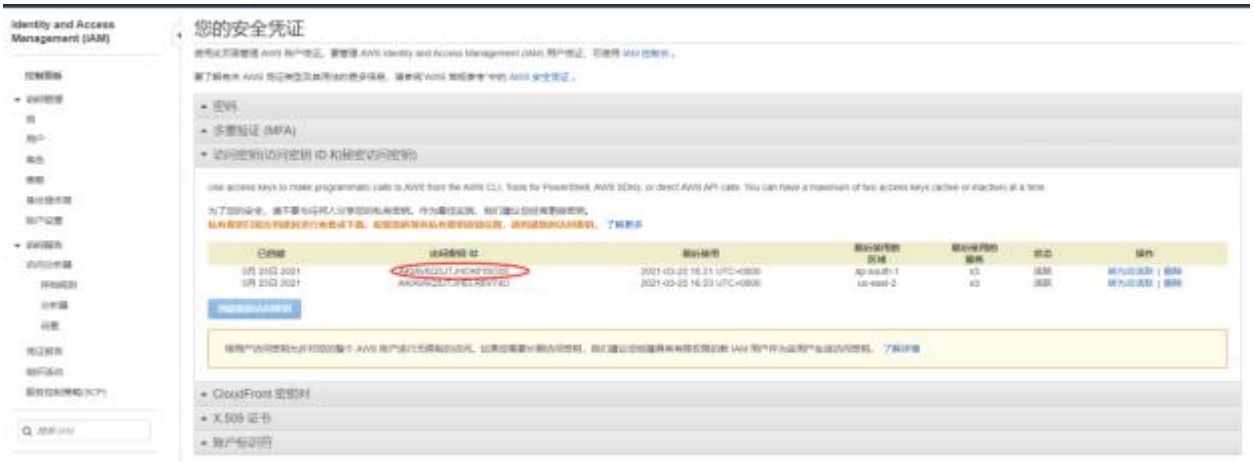
附：

1、查看 AWS 对象存储 endpoint 信息：



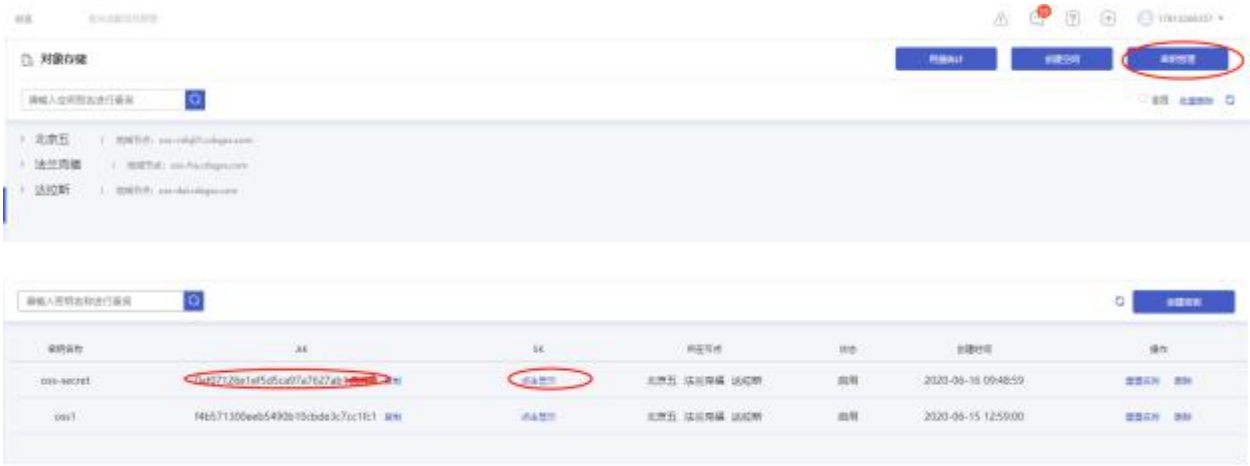
2、查看 AWS 对象存储 access_key_id 信息





3、查询首云对象存储 endpoint 信息：

4、查询首云对象存储 access_key_id 信息：


对象存储
北京五
法兰南疆
达拉斯

oss-secret
oss1
2020-06-16 09:48:59
2020-06-15 12:59:00