

阿里云 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.

Order on Linux

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Links

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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
```

```
Current remotes:
```

```
Name Type
```

```
====
```

```
aliyun s3
```

```
aliyuntest s3
```

```
gicremote s3
```

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> aliyunremote
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 / lFichier
\ "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> 2
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> 1111
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> 2222
Endpoint for OSS API.
Enter a string value. Press Enter for the default ("").
Choose a number from below, or type in your own value
1 / East China 1 (Hangzhou)
\ "oss-cn-hangzhou.aliyuncs.com"
2 / East China 2 (Shanghai)
\ "oss-cn-shanghai.aliyuncs.com"
3 / North China 1 (Qingdao)
\ "oss-cn-qingdao.aliyuncs.com"
4 / North China 2 (Beijing)
\ "oss-cn-beijing.aliyuncs.com"
5 / North China 3 (Zhangjiakou)
\ "oss-cn-zhangjiakou.aliyuncs.com"
6 / North China 5 (Huhehaote)
\ "oss-cn-huhehaote.aliyuncs.com"
7 / South China 1 (Shenzhen)
\ "oss-cn-shenzhen.aliyuncs.com"
8 / Hong Kong (Hong Kong)
\ "oss-cn-hongkong.aliyuncs.com"
9 / US West 1 (Silicon Valley)
\ "oss-us-west-1.aliyuncs.com"
```

```
10 / US East 1 (Virginia)
\ "oss-us-east-1.aliyuncs.com"
11 / Southeast Asia Southeast 1 (Singapore)
\ "oss-ap-southeast-1.aliyuncs.com"
12 / Asia Pacific Southeast 2 (Sydney)
\ "oss-ap-southeast-2.aliyuncs.com"
13 / Southeast Asia Southeast 3 (Kuala Lumpur)
\ "oss-ap-southeast-3.aliyuncs.com"
14 / Asia Pacific Southeast 5 (Jakarta)
\ "oss-ap-southeast-5.aliyuncs.com"
15 / Asia Pacific Northeast 1 (Japan)
\ "oss-ap-northeast-1.aliyuncs.com"
16 / Asia Pacific South 1 (Mumbai)
\ "oss-ap-south-1.aliyuncs.com"
17 / Central Europe 1 (Frankfurt)
\ "oss-eu-central-1.aliyuncs.com"
18 / West Europe (London)
\ "oss-eu-west-1.aliyuncs.com"
19 / Middle East 1 (Dubai)
\ "oss-me-east-1.aliyuncs.com"
```

```
endpoint> 3
```

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 storage class to use when storing new objects in OSS.
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 / Archive storage mode.
\ "GLACIER"
4 / Infrequent access storage mode.
\ "STANDARD_IA"
storage_class> 1
Edit advanced config? (y/n)
y) Yes
n) No (default)
y/n> n
Remote config
-----
[aliyunremote]
type = s3
provider = Alibaba
env_auth = false
access_key_id = xxxxxx
secret_access_key = xxxxxx
endpoint = oss-cn-qingdao.aliyuncs.com
acl = public-read

```

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

```
[gicremote]
type = s3
provider = Other
env_auth = false
access_key_id = 0af07126e1ef5d5caxxxx
secret_access_key = 07454daaf4bc50339xxxxx
region = other-v2-signature
endpoint = oss-cnbj01.cdsgss.com
acl = public-read
bucket_acl = public-read
chunk_size = 10M
upload_concurrency = 2
v2_auth = true

[aliyuntest]
type = s3
provider = Alibaba
env_auth = false
access_key_id = LTAI5tFKchfvxxx
secret_access_key = TYzhEyd0ktHIPjHxxx
endpoint = oss-cn-beijing.aliyuncs.com
acl = public-read
bucket_acl = public-read
```

```
[gicremote]
type = s3
provider = Other
env_auth = false
access_key_id = 0af07126e1ef5d5caxxxx
secret_access_key = 07454daaf4bc50339xxxxx
region = other-v2-signature
endpoint = oss-cnbj01.cdsgss.com
acl = public-read
bucket_acl = public-read
chunk_size = 10M
upload_concurrency = 2
v2_auth = true
```

```
[aliyuntest]
type = s3
provider = Alibaba
env_auth = false
access_key_id = LTAI5tFKchfvxxx
secret_access_key = TYzhEyd0ktHIPjHxxx
endpoint = oss-cn-beijing.aliyuncs.com
acl = public-read
bucket_acl = public-read
```

3、验证配置是否正确

验证阿里: rclone ls aliyuntest:kuangbao

aliyuntest 配置文件 remote 名称

kuangbao 对象存储桶名称

阿里首都在线: `rclone ls gicremote:demo-test`

4、执行数据同步

`rclone copyto aliyuntest:kuangbao gicremote:demo-test`

附:

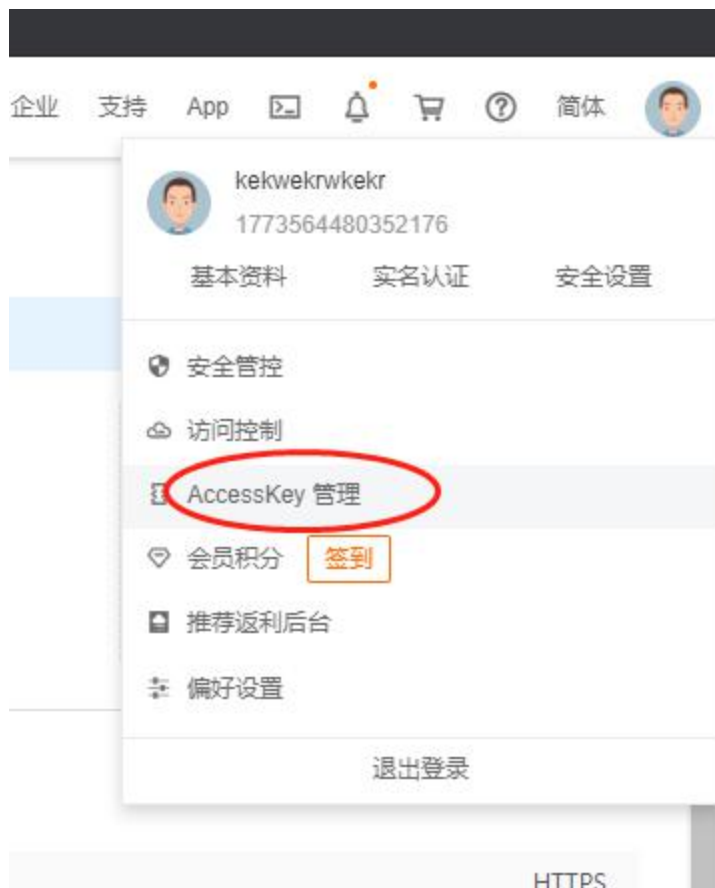
1、查看阿里云对象存储 endpoint 信息:



The screenshot displays the 'Basic Information' (基础数据) section of an Alibaba Cloud Object Storage bucket. It shows storage usage of 29.42 MB (9.00% used) and 106.05 MB of traffic. The bucket contains 206 files and 96 objects. Below this, the 'Endpoint Information' (访问域名) table lists various endpoints, with the public endpoint `oss-cn-beijing.aliyuncs.com` circled in red.

Endpoint (区域类型)	Bucket 域名
公网访问	kuangbao-oss-cn-beijing.aliyuncs.com
ECS 物理访问 (内网)	kuangbao-oss-cn-beijing-internal.aliyuncs.com
ECS 的 VPC 网络访问 (内网)	kuangbao-oss-cn-beijing-internal.aliyuncs.com
传输加速域名 (加速或上传下载加速)	打开

2、查看阿里云对象存储 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

创建桶 创建目录 创建策略

请输入名称及进行鉴权

- 北京五 (对象名称: oss-obj-storage.com)
- 法兰克福 (对象名称: oss-obj-storage.com)
- 洛杉矶 (对象名称: oss-obj-storage.com)

请输入名称及进行鉴权

策略名称	AK	SK	绑定策略	状态	创建时间	操作
oss-secret	AKIAI27128a1e5d5ca07fa7627ab3...	SECRET	北京五, 法兰克福, 洛杉矶	启用	2023-04-14 09:48:59	查看详情 删除
oss1	F46571300eb5490b10c5de3c7cc1e1...	SECRET	北京五, 法兰克福, 洛杉矶	启用	2023-04-15 12:59:00	查看详情 删除