

Rclone Config

- 地址: <https://rclone.org/>
 - 下载地址: <https://rclone.org/downloads/>
- 配置源 - OSS
 - 配置方式: <https://rclone.org/s3/#alibaba-oss>
- 配置源 - Azure Blob
 - 配置方式: <https://rclone.org/azureblob/>
- 配置源 - S3
 - 配置方式: <https://rclone.org/s3/#configuration>
 - OSS 与 S3都属于S3存储体系

Rclone with S3

- **rclone config (配置S3)**
 - 选择S3
 - 配置Amazon S3 key
 - 配置读写, 只读
 - 配置加密方式
 - 确认配置

基本操作:

- rclone config show
 - 查看配置的源
- rclone config file
 - 查看保存配置文件地址
- rclone lsd remote:
- rclone mkdir remote:bucket
- rclone ls remote:bucket

迁移示例

AliCloud OSS 迁移示例:

输入rclone config, 根据提示操作

此处我创建了2个文件位置的配置, 名称为oss, 与 s3usw2。

使用 rclone 将文件从阿里云 OSS 复制到 AWS S3，您可以使用以下命令示例。在执行此命令之前，请确保已经安装和配置了 rclone，并且已经正确设置了阿里云 OSS 和 AWS S3 的访问凭据。

```
1 # 使用 rclone 复制文件从阿里云 OSS 到 AWS S3
2 # 注意copy与sync的区别
3 # Copy: new or changed files to cloud storage, 复制新文件或者源上更改的文件，覆盖到目标端
4 # Sync: (one way) to make a directory identical, 保持目标端与源一致，删除目标端上源端没有的文件
5 # 指定配置文件or使用默认配置文件
6 rclone copy \
7     oss:your-oss-bucket-name/path-to-source-file \
8     s3:your-s3-bucket-name/path-to-destination-file \
9     --config=/path/to/rclone.conf
10
11 # copy
12 rclone copy oss:tonysu-poc-test s3usw2:oss-test-20230915
13 # sync: 尽量别用，源端不存在的话，会删除目标里的数据！！！！
14 rclone sync oss:tonysu-poc-test s3usw2:oss-test-20230915
15
16 # checksum参数: Check for changes with size & checksum (if available, or fallback to size only). 校验文件是否实际发生了变化
17 # update参数: Skip files that are newer on the destination, 忽略更新时间比目标端早的数据
18 # -u, --update
19 # This forces rclone to skip any files which exist on the destination and have a modified time that is newer than the source file.
20
21 rclone sync --checksum oss:tonysu-poc-test s3usw2:oss-test-20230915
22 rclone sync --update --use-server-modtime oss:tonysu-poc-test s3usw2:oss-test-20230915
23
24 # 尝试，输出对比数量，和需要传输的数量
25 rclone copy --dry-run oss:tonysu-poc-test s3usw2:oss-test-20230915
```

```
[ec2-user@ip-10-10-7-197 ~]$  
[ec2-user@ip-10-10-7-197 ~]$ rclone copy -n oss:tonysu-poc-test s3usw2:oss-test-20230915  
2023/11/17 16:46:04 NOTICE: hello/coll-mybook.conf: Skipped copy as --dry-run is set (size 17.713Ki)  
2023/11/17 16:46:04 NOTICE: hello/index.html: Skipped copy as --dry-run is set (size 25.185Ki)  
2023/11/17 16:46:04 NOTICE: hello/TestChinese-2023.numbers: Skipped copy as --dry-run is set (size 127.863Ki)  
2023/11/17 16:46:05 NOTICE:  
Transferred:      170.761 KiB / 170.761 KiB, 100%, 0 B/s, ETA -  
Checks:           11 / 11, 100%  
Transferred:       3 / 3, 100%  
Elapsed time:      2.0s
```

Azure Blob 迁移示例：

配置：

在azure 创建一个只读的账户，配置写入azure-principal.json

示例：

<https://docs.aws.amazon.com/prescriptive-guidance/latest/patterns/migrate-data-from-microsoft-azure-blob-to-amazon-s3-by-using-rclone.html>

```
1 [AZStorageAccount]  
2 type = azureblob  
3 account = AZStorageAccount  
4 service_principal_file = azure-principal.json  
5  
6 [s3]  
7 type = s3  
8 provider = AWS  
9 env_auth = true  
10 region = us-east-1
```

命令：

```
1  
2 # copy: 普通复制  
3 rclone copy AZStorageAccount:blob-container s3:examplebucket-01  
4 # sync: 尽量别用，源端不存在的话，会删除目标里的数据！！！！  
5 rclone sync AZStorageAccount:blob-container s3:examplebucket-01  
6  
7 # --dry-run 尝试运行，查看结果，并未真正运行。  
8 rclone copy --dry-run AZStorageAccount:blob-container s3:examplebucket-01
```