

# Getting started with rclone for RackCorp S3 storage - Windows

rclone is an open source multi-platform tool for managing your cloud file storage. Multiple storage providers are supported natively including the large hyper-scalers as well as regional niche providers.

RackCorp S3 Storage is natively supported in rclone making setup straight forward.

As a command line based tool, rclone by itself is sufficient for transferring files and managing your S3 bucket on rackcorp. Integration with the OS via a drive letter or folder-path is available via OS file system drivers. WinFSP, an optional install, enables FUSE integration with rclone to provide a drive letter or path for your S3 buckets on Windows.

## Downloads

<https://rclone.org/downloads/> (please download stable ver unless advised by tech support)

<https://github.com/winfsp/winfsp/releases/> (optional, required for drive letter/folder function)

- Unzip rclone into a easily accessible directory
- Open a command prompt and navigate to that directory
- Run rclone config

## Setup and configure rclone

```
Microsoft Windows [Version 10.0.19045.2311]
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C:\WINDOWS\system32>cd %userprofile%\Downloads\rclone\

C:\Users\KngtRider\Downloads\rclone>rclone config
```

## Setup

```
C:\Users\KngtRider\Downloads\rclone>rclone config
No remotes found - make a new one
n) New remote
s) Set configuration password
q) Quit config
n/s/q>
```

Select New Remote and give it a friendly name

```
Name> type "rackcorpS3" or whatever you want
```

Choose your storage backend type

```
name> rackcorps3
Option Storage.
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, RackCorp, SeaweedFS, and Tencent COS
  \ "s3"
```

Select Item 4, Amazon Compatible S3

```
Storage> 4
Option provider.
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 / RackCorp Object Storage

\ "RackCorp"

Select item 9, Rackcorp

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"

Select Item 2, Enter Credentials

Option access\_key\_id.

AWS Access Key ID.

Leave blank for anonymous access or runtime credentials.

Enter a string value. Press Enter for the default ("").

access\_key\_id>



Generate and grab your credentials from the RackCorp Portal

## STORAGE

[SFTP HOSTS](#)[SFTP USERS](#)[S3 CREDENTIALS](#)[S3 BUCKETS](#)[ADD NEW](#)

Search:

Showing 1 to 1 of 1 entries (filtered from 128 total entries)

ID		Credential Name	Access KEY	
	403	clyde84	KDTTI5TWN4L4Y1JNH837	

Search: Show  entries[Previous](#)[1](#)[Next](#)

Let's enter

KDTTI5TWN4L4Y1JNH837

Option secret\_access\_key.

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&gt;

Grab your key and secret from the RackCorp portal, remembering that this is a one-time-operation and your secret will no longer be available once it is first viewed

RackCorp

STORAGE

SFTP HOSTS

SFTP USERS

S3 CREDENTIALS

S3 BUCKETS

ADD NEW

Search:

Showing 1 to 1 of 1 entries (filtered from 129 total entries)

ID

↑↓

Credential Name

↑↓

Access KEY

407

clyde86

OG4CONUEWUQEIVUTFI9F

Search:

clyde86

Show

entries

Previous

1

Next

NEW S3 CREDENTIALSUPDATE S3 CREDENTIALS

Import: Please, take a note of the password generated and save in a safe place. This information will not be available anywhere else.

S3 Prices

S3 storage per month per GB

S3 download traffic per GB

Price: \$0.00

Price: \$0.00

Here is your access key and secret. Please note that the secret key will no longer be visible once you close this box

ACCESS KEY: OG4CONUEWUQEIVUTFI9F

SECRET: tA\*Nswu25EF6oxEKHzW3SJDuwSBjK1k8GQ73WMQk

Close

Option region.

region - the location where your bucket will be created and your data stored.

Enter a string value. Press Enter for the default ("").

Choose a number from below, or type in your own value.

- 1 / Global CDN (All locations) Region
  - \ "global"
- 2 / Australia (All states) Region
  - \ "au"
- 3 / NSW (Australia) Region
  - \ "au-nsw"
- 4 / QLD (Australia) Region
  - \ "au-qlld"
- 5 / VIC (Australia) Region
  - \ "au-vic"
- 6 / Perth (Australia) Region
  - \ "au-wa"
- 7 / Manila (Philippines) Region
  - \ "ph"
- 8 / Bangkok (Thailand) Region
  - \ "th"
- 9 / HK (Hong Kong) Region
  - \ "hk"
- 10 / Ulaanbaatar (Mongolia) Region
  - \ "mn"
- 11 / Bishkek (Kyrgyzstan) Region

\ "kg"

12 / Jakarta (Indonesia) Region

\ "id"

13 / Tokyo (Japan) Region

\ "jp"

14 / SG (Singapore) Region

\ "sg"

15 / Frankfurt (Germany) Region

\ "de"

16 / USA (AnyCast) Region

\ "us"

17 / New York (USA) Region

\ "us-east-1"

18 / Freemont (USA) Region

\ "us-west-1"

19 / Auckland (New Zealand) Region

\ "nz"

## Choose 2, AUS

Location constraint - the location where your bucket will be located and your data stored.

Enter a string value. Press Enter for the default ("").

Choose a number from below, or type in your own value.

1 / Global CDN Region

\ "global"

2 / Australia (All locations)

\ "au"

3 / NSW (Australia) Region

\ "au-nsw"

4 / QLD (Australia) Region

\ "au-qld"

5 / VIC (Australia) Region

\ "au-vic"

6 / Perth (Australia) Region

\ "au-wa"

7 / Manila (Philippines) Region

\ "ph"

8 / Bangkok (Thailand) Region

\ "th"

9 / HK (Hong Kong) Region

\ "hk"

10 / Ulaanbaatar (Mongolia) Region

\ "mn"

11 / Bishkek (Kyrgyzstan) Region

\ "kg"

12 / Jakarta (Indonesia) Region

\ "id"

13 / Tokyo (Japan) Region

\ "jp"

14 / SG (Singapore) Region

\ "sg"

15 / Frankfurt (Germany) Region

\ "de"

16 / USA (AnyCast) Region

\ "us"

17 / New York (USA) Region

\ "us-east-1"

18 / Freemont (USA) Region

\ "us-west-1"

19 / Auckland (New Zealand) Region

\ "nz"

## Choose 2, AUS

☐ Option acl.

☐ 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.

☐ / Owner gets FULL\_CONTROL.

☐ 1 | No one else has access rights (default).

☐ \ "private"

☐ / Owner gets FULL\_CONTROL.

☐ 2 | The AllUsers group gets READ access.

☐ \ "public-read"

☐ / Owner gets FULL\_CONTROL.

```

3 | The AllUsers group gets READ and WRITE access.
   | Granting this on a bucket is generally not recommended.
   | \ "public-read-write"
   | / Owner gets FULL_CONTROL.
4 | The AuthenticatedUsers group gets READ access.
   | \ "authenticated-read"
   | / Object owner gets FULL_CONTROL.
5 | Bucket owner gets READ access.
   | 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"

```

Choose 1 For owner full control over your files with no public access

```

Edit advanced config?
y) Yes
n) No (default)
y/n>

```

Choose N

Summary of settings is next displayed

```

[
[rackcorps3]
type = s3
provider = RackCorp
env_auth = false
access_key_id = OG4CONUEWUQEIVUTFI9F
secret_access_key = tA+Nswu25EF6oxEKHzW3SjDuwSBjK1k8GQ73WMQk
region = au
endpoint = au.s3.rackcorp.com
location_constraint = au-nsw
acl = private
-----
y) Yes this is OK (default)
e) Edit this remote
d) Delete this remote

```



Press Y to accept changes. You are returned to the main menu.

```

[]
[]Name          Type
[]=====
[]rackcorps3    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>
```

Q to quit back to the command prompt.

## Connect rclone to a drive letter or folder-path on the operating system

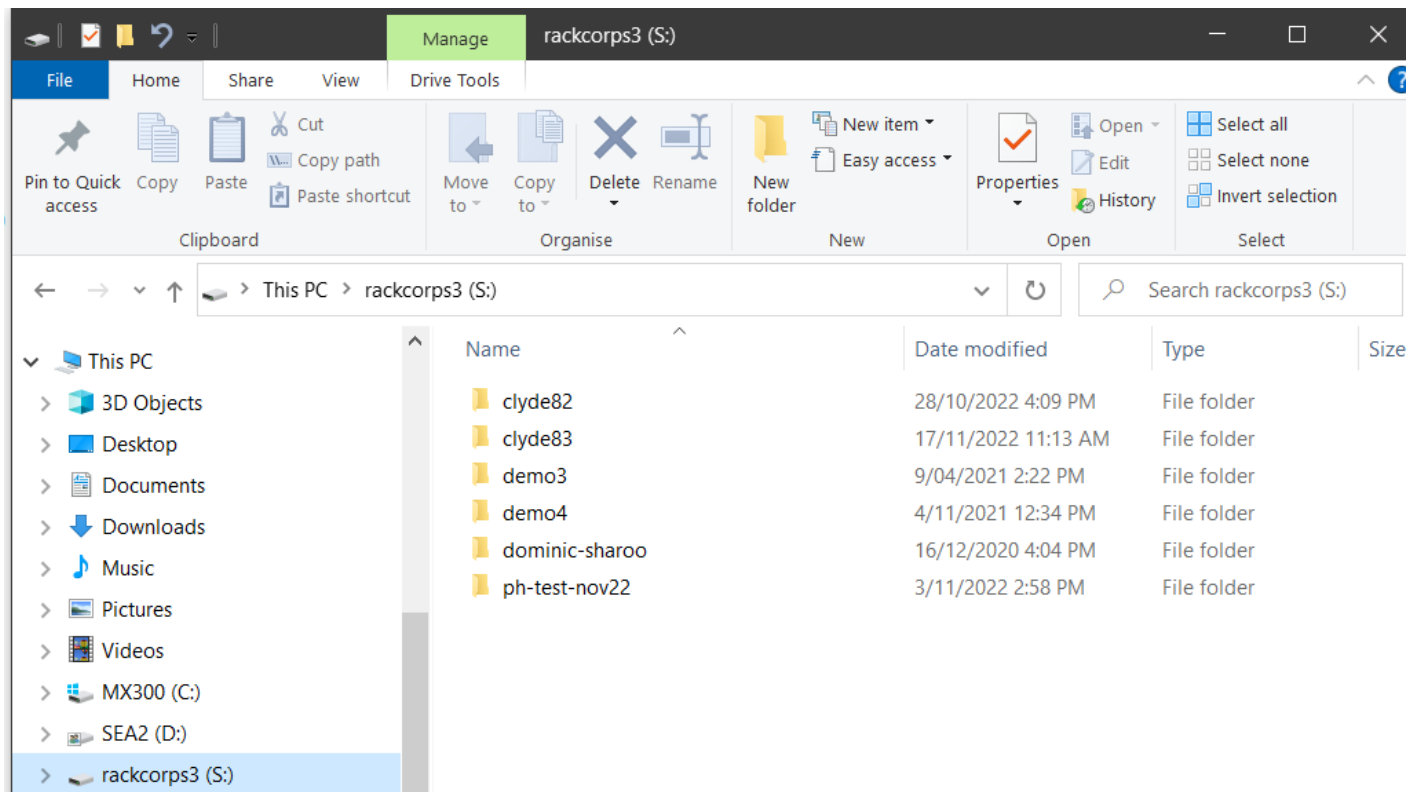
Where rackcorps3: is your friendly connection name from setup and s: can be a spare drive letter not in use by your system

```
C:\Users\KngtRider\Downloads\rclone>rclone mount rackcorps3: s:

The service rclone has been started.
```

```
C:\Users\KngtRider\Downloads\rclone>rclone.exe mount rackcorps3: s:
The service rclone has been started.
```

This will launch drive letter on demand. Once the process/rclone window is closed, the drive letter will be unmounted.



# Advanced Setup Topics

## Autostart on Windows

The following code will establish a windows service that will mount the S3 drive letter on startup but via a context that is visible to all users of the computer

For this guidance, we assume the rclone is unzipped to c:\rclone. If you are following the above instructions, change the path for rclone to the exact path you used in those instructions, eg c:\users\yourwindowsusername\Downloads\rclone

- Open a command prompt and navigate to c:\rclone
- Execute Powershell by running powershell at the cmd prompt

```
Administrator: Command Prompt - powershell

c:\rclone>powershell
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\rclone>
```

- At the powershell prompt enter this command to create the new rclone service

```
New-Service -Name Rclone -BinaryPathName 'c:\rclone\rclone.exe mount rackcorps3: S: --config c:\rclone\rclone.conf --log-file c:\rclone\mount.txt'
```

```
Administrator: Command Prompt - powershell

c:\rclone>powershell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\rclone> New-Service -Name Rclone -BinaryPathName 'c:\rclone\rclone.exe mount rackcorps3: S: --config c:\rclone\rclone.conf --log-file c:\rclone\mount.txt'
```

Where:

- c:\rclone\ is your path to rclone
- rackcorps3: is the friendly name for your S3 instance
- S: is the desired drive letter

Providing all the parameters are correct including keys, the service should execute as its set to automatic mode and the drive letter S: should appear.

To manually interact with the service, use 'net stop rclone' and 'net start rclone' at the windows command prompt

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