

# 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 driver 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]
(c) Microsoft Corporation. All rights reserved.

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 / 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, 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>
```

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)

\ "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

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.

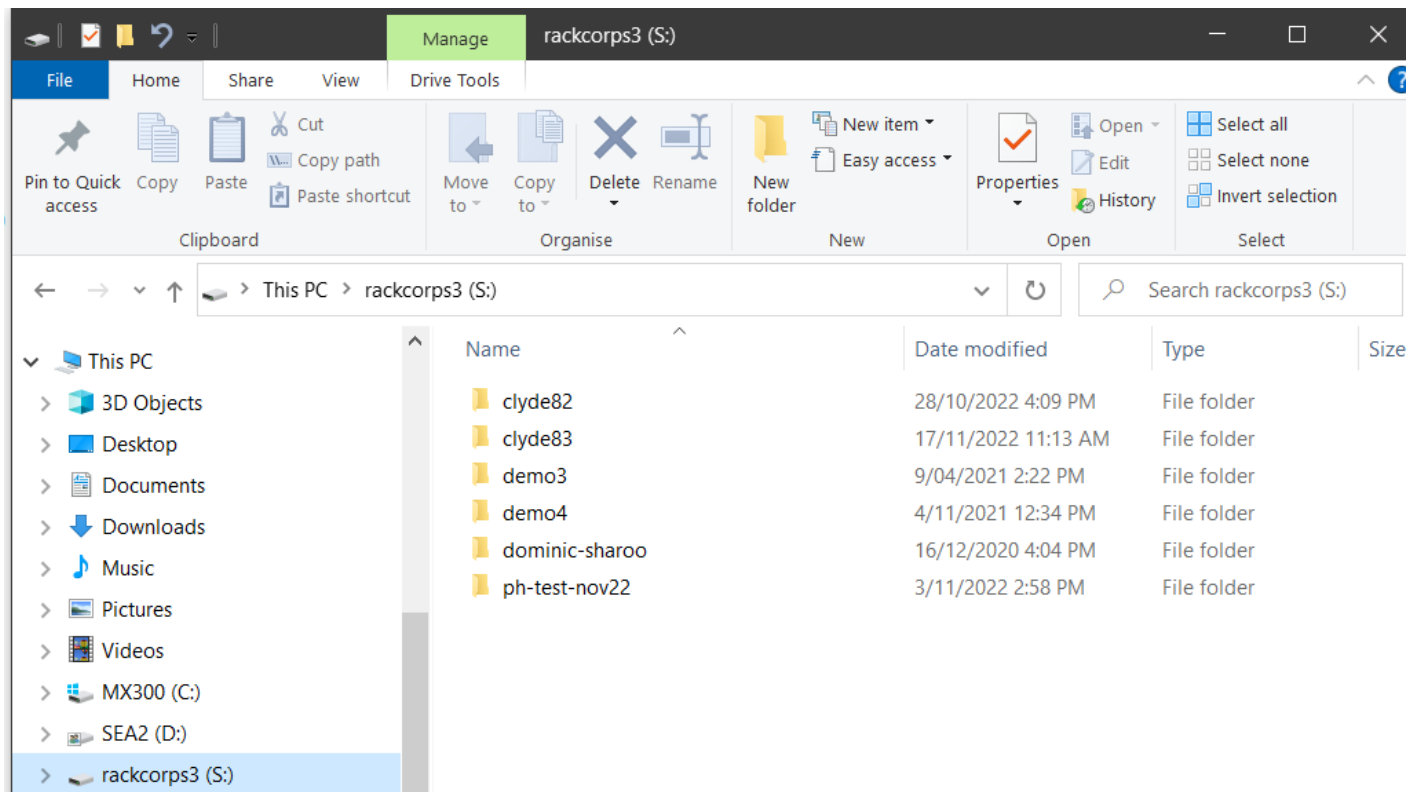
## Connect rclone to a drive letter or folder-path on the operating system

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
Copyright (C) Microsoft Corporation. All rights reserved.

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

Revision #9

Created 18 November 2022 04:41:02 by RackCorp

Updated 11 January 2024 23:58:44 by RackCorp