

# Set up RClone to Mount a SharePoint Drive (Windows)

If you have a SharePoint site for your lab, this guide will help you mount it in a way that emulates a network file server instead of syncing with OneDrive.

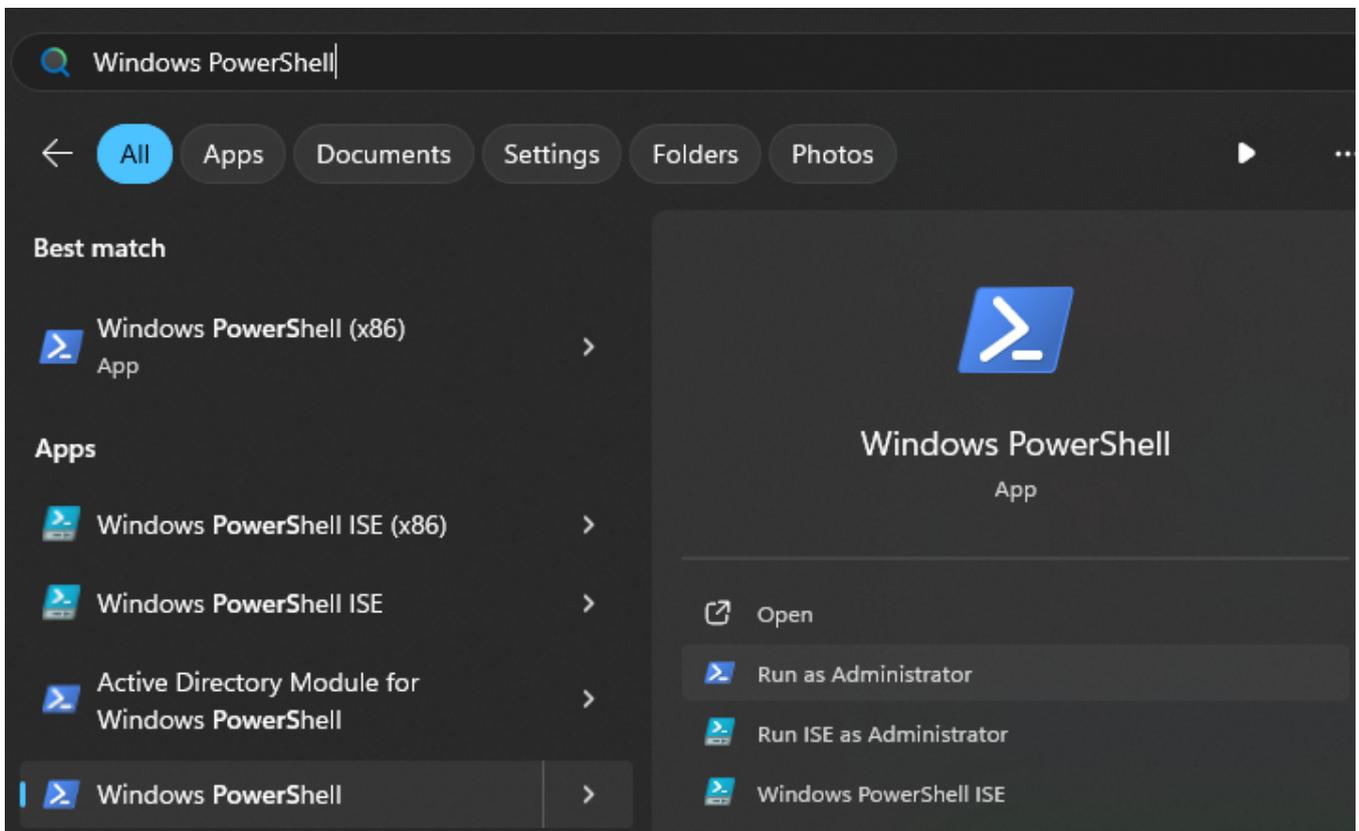
## Scripted Setup

I have made [a script](#) (right-click and "save link as" to download) to help get rclone set up quickly. If the script doesn't work for you, the steps that the script does are listed at the bottom of this guide.

First, download and install this program: <https://winfsp.dev/rel/>  
-Download the Installer and follow the wizard with default settings to install.

### Script Steps

1. Download the script from [this link](#) (right-click and "save link as" to download) and save it to your downloads folder
2. Open PowerShell as an administrator:



3. Paste the following commands and press enter (one line at a time):

```
Set-ExecutionPolicy Unrestricted  
(press Y, then enter)  
cd ~\Downloads  
.\setup-rclone.ps1
```

4. You will be asked to name the mounted drive, type in a name (make it the same as step 2 below) i.e. kennedylab
5. Follow the guided prompts below:

## Guided Prompts

Most of the following commands are from rclone's OneDrive guide, which you can [reference here](#).

You should see an interactive options selection like this:

```
No remotes found, make a new one?  
n) New remote  
s) Set configuration password  
q) Quit config  
n/s/q>
```

1. Type **n** and press enter for a new remote
2. Type a name for it, I'm using "kennedylab" for this example
3. Type the number showing next to OneDrive (in my case, it was **35**)
4. Leave the client\_id blank and press enter

5. Leave the client\_secret blank as well
6. Type **1** for region (Microsoft Cloud Global)
7. Type **n** to skip advanced configuration
8. Type **y** to set up authentication

Your browser will automatically show a sign-in screen. Sign in with your University credentials and then you should see this confirmation in your browser:

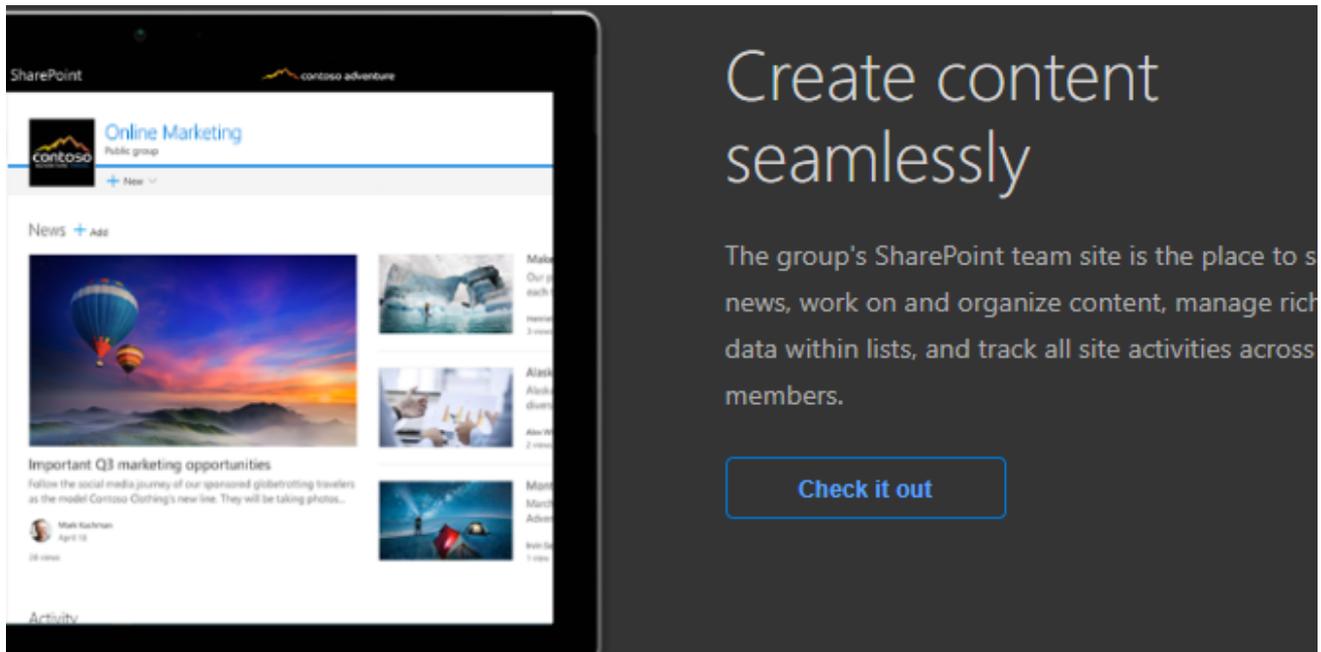
## Success!

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All done. Please go back to rclone.

Back at the PowerShell window:

1. Type **3** for SharePoint or 1 if you're using your own OneDrive storage (**this example is using SharePoint**)
2. Type the **URL of your SharePoint site** (in this example I am using <https://olucdenver.sharepoint.com/sites/KennedyLab>)
  1. If you do not know the address of your lab's SharePoint page, ask your Lab Manager or IT Admin. You can also navigate to it by following the link in the welcome email that looks like this:



3. Type **1** to use the documents library
4. Type **y** to confirm
5. Type **y** one more time to confirm

You should now see a main menu again:

```
Name                Type
====                ====
kennedylab          onedrive

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> _
```

Type q to quit the configuration wizard.

You should now see a shortcut to mount the drive to L:\ on your Desktop. Double-click it and you should see the share in File Explorer

The drive should automatically mount when logging in as well.

Mounting the drive opens a minimized command prompt window. Closing the command prompt will unmount the drive.

## Manual Steps if the Script Doesn't Work

You will still need to install winfsp from the link at the top of this guide.

Download rclone from [this page](#) (for windows select the Intel/AMD 64 bit one). Extract it and put the extracted folder in an easy to find location.

Open a command prompt (Search for cmd)

Change the directory your command prompt is in to inside your extracted folder. For example:

```
cd %USERPROFILE%\Downloads\rclone-v1.62.2-windows-amd64
```

I recommend renaming the long folder name to "Rclone" and moving it directly to the C drive. Then you only have to type `cd C:\Rclone`

Run the command

```
rclone config
```

This brings up the same guided prompts as outlined above.

With a **non-administrator** command prompt open, you can now mount the SharePoint drive with the following command (replace "kennedylab" with the name you provided earlier):

```
rclone mount kennedylab: L: --network-mode --vfs-cache-mode full
```

Verify that you can now see and interact with the mounted drive.

Automatic mounting of the drive takes several extra steps, [contact IT](#) for help.

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