

Mount Sharepoint

Set up an MS App password for rclone on <https://mysignins.microsoft.com/security-info>

```
sudo apt-get install rclone  
  
mkdir -p ~/.config/rclone/  
vi ~/.config/rclone/rclone.conf
```

[~/.config/rclone.conf](#)

```
[whatevername]  
type = webdav  
url = https://domainname.sharepoint.com/sites/sitename  
vendor = sharepoint  
user = firstname.lastname@example.com  
pass = xxxx
```

```
rclone config  
#edit existing site and add the app password
```

Mount using the following, where “whatevername” is the name of the sharepoint site and “~/sharepoint/whatevername” is the desired mount point:

```
rclone --vfs-cache-mode writes mount whatevername: ~/sharepoint/whatevername
```

If this works, run it in daemon mode:

```
rclone --vfs-cache-mode writes mount whatevername: ~/sharepoint/whatevername  
--daemon
```

To stop the mount, use:

```
fusermount -u /path/to/local/mount  
#or  
fusermount -uz /path/to/local/mount
```

Use in fstab

to use in fstab, create wrapper using:

```
sudo ln -s /usr/bin/rclone /sbin/mount.rclone
```

then it can be used in fstab like:

```
whatevername: /path/to/mount/point rclone user,rw,noauto,nofail,_netdev,x-systemd.automount,args2env,vfs_cache_mode=writes,rc.config=/etc/rclone.conf,cache_dir=/var/cache/rclone 0 0
```

or better use rclonefspsy script

<https://forum.rclone.org/t/auto-mount-from-fstab-entry-with-systemd-options/23897>

/usr/local/bin/rclonefspsy

```
#!/usr/bin/env python3
from os import environ
from time import sleep
import sys
from subprocess import check_call, check_output,
CalledProcessError, TimeoutExpired, Popen, PIPE

def write_to_journal(string):
    check_output(['systemd-cat'], input=string.encode('utf-8'))

write_to_journal('rclone-script started')

# Save passed arguments
remote_mount = sys.argv[1]
local_mount = sys.argv[2]
sys_args = sys.argv[4].split(',')

# Must add path to environment in order for rclone mount to work
env = environ.copy()
output_raw = check_output(['whereis', 'rclone'],)
##path = output_raw.decode('utf-8').split(
')[1].removesuffix('/rclone')
path = "/usr/bin"
env['PATH'] = path

# If path extraction does not work enter desired path here
# env['PATH'] = '/usr/bin'

options = []
discarded_options = []

# Load options for rclone mount to consume
for arg in sys_args:
    if not arg.startswith('rc.'):
        discarded_options.append(arg)
        continue
    options.append(f'--{arg[3:]}')

write_to_journal(f'rclone-script options: {options}')
write_to_journal(f'rclone-script discarded options: {discarded_options}'')
```

```
# Mount folder, if this doesn't work try with full path for rclone
output = Popen(
    ['rclone', 'mount', *options, remote_mount, local_mount], env=env,
    stdout=PIPE, stderr=PIPE, close_fds=True, shell=False,
)
try:
    output.wait(1)
except TimeoutExpired as e:
    # Must wait for mount to be seen, in order for systemd not to
    complain
    write_to_journal('rclone-script rclone mount success')
    for tries in range(1, 20):
        try:
            check_call(['mountpoint', local_mount], env=env)
            write_to_journal(f'rclone-script mount found after {tries} '
                             f'tries')
            break
        except CalledProcessError:
            write_to_journal('rclone-script mount not found, sleeping')
            sleep(0.1)
    else:
        write_to_journal('rclone-script mount not found, not looking '
                        'anymore')
        sys.exit(1)

    sys.exit(0)
else:
    write_to_journal(f'rclone-script mount failed. ErrMsg: '
                     '{output.stderr.read().decode("utf-8")}')
    sys.exit(1)
```

```
sudo chmod 755 /usr/local/bin/rclonefsipy
```

Then use

```
gdrive: /mnt/gdrive fuse.rclonefsipy user,noauto,x-
systemd.automount,_netdev,x-systemd.mount-timeout=30,x-systemd.idle-
timeout=10min,rc.allow-other,rc.fast-list,rc.drive-export-
formats=.link.html,rc.config=/home/user/.config/rclone/rclone.conf 0 0
```

For troubleshooting use:

```
journalctl -b | grep rclone
```

From:

<http://wuff.dyndns.org/> - **Wulf's Various Things**



Permanent link:

<http://wuff.dyndns.org/doku.php?id=linux:sharepoint&rev=1637765749>

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