# UNSW Rclone setup

There is no official OneDrive client for Linux from Microsoft. In situations where using OneDrive from a Web Browser is not sufficient then Rclone – a command line tool - can be used from Linux devices.

Before you continue you need to agree to these terms and conditions

<https://consenthelper.it.unsw.edu.au/consent?appId=c8800f43-7805-46c2-b8b2-1c55f3859a4c>

Error messages that Rclone is not authorized on our Tenancy are from skipping this step.

**Installation**

Refer to the Rclone website for instructions <https://rclone.org/install/>

Note: Most Linux distributions have a built-in package manager, however the version of Rclone can be quite old and will sometimes not work.

**Configuration**

Rclone will usually store its config file ~/.config/rclone/rclone.conf

To do this setup, a GUI and browser are required.

After setup is complete, this file will contain a secret token that grants access to your OneDrive device, it can then be copied to remote headless servers. It’s important to remember if this file is compromised then so are your OneDrive files.

This command will create the onedrive backend

rclone config create onedrive onedrive \

client\_id="c8800f43-7805-46c2-b8b2-1c55f3859a4c" \

client\_secret="f5VBfpHL04oZUzL6HuIl[lsGAHjQ-h:]" \

drive\_type="business

You can also use ‘rclone config’ for manual setup – rclone changes these setup options somewhat regularly so please be mindful of not copy/pasting commands into consoles.

**Using**

Rclone ‘sync’ is not two way as one might expect – incorrect use could lead to file loss (OneDrive does have a Recycle bin if this occurs).

<https://rclone.org/commands/rclone_sync/>

There is a two way sync which is still experimental, please read the documentation

<https://rclone.org/commands/rclone_bisync/>