Compress (Experimental)

Warning

This remote is currently **experimental**. Things may break and data may be lost. Anything you do with this remote is at your own risk. Please understand the risks associated with using experimental code and don't use this remote in critical applications.

The `Compress` remote adds compression to another remote. It is best used with remotes containing many large compressible files.

To use this remote, all you need to do is specify another remote and a compression mode to use:

```
Current remotes:

Name                 Type
====                 ====
remote_to_press      sometype

e) Edit existing remote
$ rclone config
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> n
name> compress
...
 8 / Compress a remote
   \ "compress"
...
Storage> compress
** See help for compress backend at: https://rclone.org/compress/ **

Remote to compress.
Enter a string value. Press Enter for the default ("").
remote> remote_to_press:subdir
Compression mode.
Enter a string value. Press Enter for the default ("gzip").
Choose a number from below, or type in your own value
 1 / Gzip compression balanced for speed and compression strength.
   \ "gzip"
compression_mode> gzip
Edit advanced config? (y/n)
y) Yes
n) No (default)
y/n> n
Remote config
--------------------
[compress]
type = compress
remote = remote_to_press:subdir
compression_mode = gzip
--------------------
y) Yes this is OK (default)
e) Edit this remote
d) Delete this remote
y/e/d> y
```

Compression Modes

Currently only gzip compression is supported, it provides a decent balance between speed and strength and is well supported by other application. Compression strength can further be configured via an advanced setting where 0 is no compression and 9 is strongest compression.

Filetype

If you open a remote wrapped by press, you will see that there are many files with an extension corresponding to the compression algorithm you chose. These files are standard files that can be opened by various archive programs, but they have some hidden metadata that allows them to be used by rclone. While you may download and decompress these files at will, do **not** manually delete or rename files. Files without correct metadata files will not be recognized by rclone.

File names

The compressed files will be named *.##########.gz where * is the base file and the # part is base64 encoded size of the uncompressed file. The file names should not be changed by anything other than the rclone compression backend.

Standard Options

Here are the standard options specific to compress (Compress a remote).

--compress-remote

Remote to compress.

- Config: remote
- Env Var: RCLONE_COMPRESS_REMOTE
- Type: string
- Default: ""

--compress-mode

Compression mode.

- Config: mode
- Env Var: RCLONE_COMPRESS_MODE
- Type: string
- Default: "gzip"
- Examples:
    - "gzip"
        - Standard gzip compression with fastest parameters.

Advanced Options

Here are the advanced options specific to compress (Compress a remote).

--compress-level

GZIP compression level (-2 to 9).

```
        Generally -1 (default, equivalent to 5) is recommended.
        Levels 1 to 9 increase compressiong at the cost of speed.. Going past 6
        generally offers very little return.

        Level -2 uses Huffmann encoding only. Only use if you now what you
        are doing
        Level 0 turns off compression.
```

- Config: level
- Env Var: RCLONE_COMPRESS_LEVEL
- Type: int
- Default: -1

--compress-ram-cache-limit

Some remotes don't allow the upload of files with unknown size. In this case the compressed file will need to be cached to determine it's size.

```
            Files smaller than this limit will be cached in RAM, file larger than
            this limit will be cached on disk
```

- Config: ram_cache_limit
- Env Var: RCLONE_COMPRESS_RAM_CACHE_LIMIT
- Type: SizeSuffix
- Default: 20M