rclone Cloud file sync

CONCEPTS

Paths are remote:path. A path without a colon is local. Test any sync with --dry-run first.

Source local or remote
↓ copy / sync / move
rclone filters, checks
↓ backend API
Destination remote:path

sync makes the destination identical to the source and DELETES extra files there. Swapped arguments delete files you wanted to keep.

Config lives in rclone.conf (find it with rclone config file). It holds tokens and secrets: keep it private.

REMOTES AND CONFIG

rclone config
Interactive remote setup

rclone listremotes
List configured remotes

rclone config show *<remote>*
Show a remote's settings

rclone config file
Print config file path

COPY, SYNC AND MOVE

rclone copy *<src>* *<dst>* **-P**
Copy new/changed files, never delete

rclone sync *<src>* *<dst>* **-P**
Mirror src to dst, deleting extras

rclone move *<src>* *<dst>*
Copy then delete from source

LISTING AND INFO

rclone ls *<remote>*:*<dir>*
Size and path of every file

LISTING AND INFO (cont.)

rclone lsd *<remote>*:*<dir>*
List directories only

rclone lsf *<remote>*:*<dir>*
Plain names, script friendly

rclone size *<remote>*:*<dir>*
Total size and file count

VERIFY AND CLEAN UP

rclone check *<src>* *<dst>*
Compare sizes and hashes

FLAGS

-n / --dry-run
Show what would happen

-P / --progress
Live transfer stats

-v / -vv
More logging

--bwlimit *<rate>*
Limit bandwidth (e.g. 5M)

--backup-dir *<dir>*
Move overwritten/deleted files aside

--max-delete *<n>*
Abort if sync would delete more

FILTERS

--include "*<glob>*"
Only matching files

--exclude "*<glob>*"
Skip matching files

MOUNT AND SERVE

rclone mount *<remote>*: *<dir>*
Mount as a filesystem

rclone mount *<remote>*: *<dir>* **--vfs-cache-mode writes**
Make writes reliable

fusermount -u *<dir>*
Unmount on Linux