

RESYNC.txt

rsync version 3.0.9 protocol version 30
Copyright (C) 1996-2011 by Andrew Tridgell, Wayne Davison, and others.
Web site: <http://rsync.samba.org/>
Capabilities:

64-bit files, 64-bit inums, 64-bit timestamps, 64-bit long ints,
no socketpairs, hardlinks, symlinks, IPv6, batchfiles, inplace,
append, no ACLs, xattrs, iconv, no symtimes

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rsync is a file transfer program capable of efficient remote update via a fast differencing algorithm.

Usage: rsync [OPTION]... SRC [SRC]... DEST
or rsync [OPTION]... SRC [SRC]... [USER@]HOST:DEST
or rsync [OPTION]... SRC [SRC]... [USER@]HOST::DEST
or rsync [OPTION]... SRC [SRC]... rsync://[USER@]HOST[:PORT]/DEST
or rsync [OPTION]... [USER@]HOST:SRC [DEST]
or rsync [OPTION]... [USER@]HOST::SRC [DEST]
or rsync [OPTION]... rsync://[USER@]HOST[:PORT]/SRC [DEST]

The ':' usages connect via remote shell, while '::' & 'rsync://' usages connect to an rsync daemon, and require SRC or DEST to start with a module name.

Options

- v, --verbose increase verbosity
- q, --quiet suppress non-error messages
- no-motd suppress daemon-mode MOTD (see manpage caveat)
- c, --checksum skip based on checksum, not mod-time & size
- a, --archive archive mode; equals -rlptgoD (no -H,-A,-X)
- no-OPTION turn off an implied OPTION (e.g. --no-D)
- r, --recursive recurse into directories
- R, --relative use relative path names
- no-implied-dirs don't send implied dirs with --relative
- b, --backup make backups (see --suffix & --backup-dir)
- backup-dir=DIR make backups into hierarchy based in DIR
- suffix=SUFFIX set backup suffix (default ~ w/o --backup-dir)
- u, --update skip files that are newer on the receiver
- inplace update destination files in-place (SEE MAN PAGE)
- append append data onto shorter files
- append-verify like --append, but with old data in file checksum
- d, --dirs transfer directories without recursing
- l, --links copy symlinks as symlinks
- L, --copy-links transform symlink into referent file/dir
- copy-unsafe-links only "unsafe" symlinks are transformed
- safe-links ignore symlinks that point outside the source tree
- k, --copy-dirlinks transform symlink to a dir into referent dir
- K, --keep-dirlinks treat symlinked dir on receiver as dir
- H, --hard-links preserve hard links
- p, --perms preserve permissions
- E, --executability preserve the file's executability
- chmod=CHMOD affect file and/or directory permissions
- X, --xattrs preserve extended attributes
- o, --owner preserve owner (super-user only)
- g, --group preserve group
- devices preserve device files (super-user only)
- specials preserve special files
- D same as --devices --specials
- t, --times preserve modification times
- O, --omit-dir-times omit directories from --times
- super receiver attempts super-user activities
- fake-super store/recover privileged attrs using xattrs
- S, --sparse handle sparse files efficiently
- n, --dry-run perform a trial run with no changes made
- w, --whole-file copy files whole (without delta-xfer algorithm)
- x, --one-file-system don't cross filesystem boundaries
- B, --block-size=SIZE force a fixed checksum block-size

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-e, --rsh=COMMAND specify the remote shell to use
 --rsync-path=PROGRAM specify the rsync to run on the remote machine
 --existing skip creating new files on receiver
 --ignore-existing skip updating files that already exist on receiver
 --remove-source-files sender removes synchronized files (non-dirs)
 --del an alias for --delete-during
 --delete delete extraneous files from destination dirs
 --delete-before receiver deletes before transfer, not during
 --delete-during receiver deletes during the transfer
 --delete-delay find deletions during, delete after
 --delete-after receiver deletes after transfer, not during
 --delete-excluded also delete excluded files from destination dirs
 --ignore-errors delete even if there are I/O errors
 --force force deletion of directories even if not empty
 --max-delete=NUM don't delete more than NUM files
 --max-size=SIZE don't transfer any file larger than SIZE
 --min-size=SIZE don't transfer any file smaller than SIZE
 --partial keep partially transferred files
 --partial-dir=DIR put a partially transferred file into DIR
 --delay-updates put all updated files into place at transfer's end
-m, --prune-empty-dirs prune empty directory chains from the file-list
 --numeric-ids don't map uid/gid values by user/group name
 --timeout=SECONDS set I/O timeout in seconds
 --contimeout=SECONDS set daemon connection timeout in seconds
-I, --ignore-times don't skip files that match in size and mod-time
 --size-only skip files that match in size
 --modify-window=NUM compare mod-times with reduced accuracy
-T, --temp-dir=DIR create temporary files in directory DIR
-y, --fuzzy find similar file for basis if no dest file
 --compare-dest=DIR also compare destination files relative to DIR
 --copy-dest=DIR ... and include copies of unchanged files
 --link-dest=DIR hardlink to files in DIR when unchanged
-z, --compress compress file data during the transfer
 --compress-level=NUM explicitly set compression level
 --skip-compress=LIST skip compressing files with a suffix in LIST
-C, --cvs-exclude auto-ignore files the same way CVS does
-f, --filter=RULE add a file-filtering RULE
-F same as --filter='dir-merge /.rsync-filter'
 repeated: --filter='- .rsync-filter'
 --exclude=PATTERN exclude files matching PATTERN
 --exclude-from=FILE read exclude patterns from FILE
 --include=PATTERN don't exclude files matching PATTERN
 --include-from=FILE read include patterns from FILE
 --files-from=FILE read list of source-file names from FILE
-O, --from0 all *-from/filter files are delimited by 0s
-s, --protect-args no space-splitting; only wildcard special-chars
 --address=ADDRESS bind address for outgoing socket to daemon
 --port=PORT specify double-colon alternate port number
 --sockopts=OPTIONS specify custom TCP options
 --blocking-io use blocking I/O for the remote shell
 --stats give some file-transfer stats
-8, --8-bit-output leave high-bit chars unescaped in output
-h, --human-readable output numbers in a human-readable format
 --progress show progress during transfer
-P same as --partial --progress
-i, --itemize-changes output a change-summary for all updates
 --out-format=FORMAT output updates using the specified FORMAT
 --log-file=FILE log what we're doing to the specified FILE
 --log-file-format=FMT log updates using the specified FMT
 --password-file=FILE read daemon-access password from FILE
 --list-only list the files instead of copying them
 --bwlimit=KBPS limit I/O bandwidth; KBytes per second
 --write-batch=FILE write a batched update to FILE
 --only-write-batch=FILE like --write-batch but w/o updating destination
 --read-batch=FILE read a batched update from FILE
 --protocol=NUM force an older protocol version to be used
 --iconv=CONVERT_SPEC request charset conversion of filenames
 --syno-acl copy Synology ACL data

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--syno-cmd=FILE      Synology customized command from FILE
--syno-prog=FILE     export progress of rsync transmission to FILE
--syno-auth          Enable synology authentication mechanism
--syno-pseudo-root
--syno-comp-mode     Run rsync as compatible mode
--syno-meta=VER      Transfer Synology metadata in rsync
--syno-lastbkptime=TIME  Transfer Synology last backup start time in
rsync
-4, --ipv4          prefer IPv4
-6, --ipv6          prefer IPv6
--version           print version number
(-h) --help         show this help (-h is --help only if used alone)
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Use "rsync --daemon --help" to see the daemon-mode command-line options.
Please see the rsync(1) and rsyncd.conf(5) man pages for full documentation.
See <http://rsync.samba.org/> for updates, bug reports, and answers
rsync error: syntax or usage error (code 1) at main.c(1771) [client=3.0.9]