

rsync version 3.0.9 protocol version 30

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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 -r-lptgoD (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
-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

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--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
-0, --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
--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    Run rsync as compatible mode
--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]