

# Package: syncr (via r-universe)

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**Title** Synchronise Directories

**Version** 0.0.3

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**Description** Synchronise directories using rsync.

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**LazyData** true

**URL** <https://github.com/mrc-ide/syncr>

**BugReports** <https://github.com/mrc-ide/syncr/issues>

**RoxygenNote** 5.0.1

**Suggests** testthat

**Repository** <https://mrc-ide.r-universe.dev>

**RemoteUrl** <https://github.com/mrc-ide/syncr>

**RemoteRef** master

**RemoteSha** 09d2cdae3c97538cc37c2605019c65b15b7316c1

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has_rsync	<i>Check if there is an rsync we can use</i>
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### Description

Check if there is an rsync we can use.

### Usage

```
has_rsync()
```

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rsync	<i>Wrapper around rsync</i>
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### Description

Wrapper around all of *rsync*'s options. I'm not sure how useful this will be (because you'll really need to read *rsync*'s extensive manual to use this, but perhaps it will be useful.

### Usage

```
rsync(src, dest, verbose = FALSE, quiet = FALSE, no_motd = FALSE,
checksum = FALSE, archive = FALSE, recursive = FALSE,
relative = FALSE, no_implied_dirs = FALSE, backup = FALSE,
backup_dir = NULL, suffix = NULL, update = FALSE, inplace = FALSE,
append = FALSE, dirs = FALSE, links = FALSE, copy_links = FALSE,
copy_unsafe_links = FALSE, safe_links = FALSE, copy_dirlinks = FALSE,
keep_dirlinks = FALSE, hard_links = FALSE, perms = FALSE,
executability = FALSE, chmod = NULL, owner = FALSE, group = FALSE,
devices = FALSE, specials = FALSE, times = FALSE,
omit_dir_times = FALSE, super = FALSE, sparse = FALSE,
dry_run = FALSE, whole_file = FALSE, one_file_system = FALSE,
block_size = NULL, rsh = NULL, rsync_path = NULL, existing = FALSE,
ignore_existing = FALSE, remove_source_files = FALSE, delete = FALSE,
delete_before = FALSE, delete_during = FALSE, delete_after = FALSE,
delete_excluded = FALSE, ignore_errors = FALSE, force = FALSE,
max_delete = NULL, max_size = NULL, min_size = NULL, partial = FALSE,
partial_dir = NULL, delay_updates = FALSE, prune_empty_dirs = FALSE,
numeric_ids = FALSE, timeout = NULL, ignore_times = FALSE,
size_only = FALSE, modify_window = NULL, temp_dir = NULL,
fuzzy = FALSE, compare_dest = NULL, copy_dest = NULL,
link_dest = NULL, compress = FALSE, compress_level = NULL,
cvs_exclude = FALSE, filter = NULL, exclude = NULL,
exclude_from = NULL, include = NULL, include_from = NULL,
files_from = NULL, from0 = FALSE, address = NULL, port = NULL,
```

```

sockopts = NULL, blocking_io = FALSE, stats = FALSE,
eight_bit_output = FALSE, human_readable = FALSE, progress = FALSE,
itemize_changes = FALSE, out_format = NULL, log_file = NULL,
log_file_format = NULL, password_file = NULL, list_only = FALSE,
bwlimit = NULL, write_batch = NULL, only_write_batch = NULL,
read_batch = NULL, protocol = NULL, checksum_seed = NULL,
ipv4 = FALSE, ipv6 = FALSE, extended_attributes = FALSE,
cache = FALSE, drop_src_directory = FALSE, args_only = FALSE)

```

## Arguments

src	Source files to copy. See details
dest	A single destination path, possibly remote.
verbose	increase verbosity
quiet	suppress non-error messages
no_motd	suppress daemon-mode MOTD (see caveat)
checksum	skip based on checksum, not mod-time & size
archive	archive mode; same as recursive, links, perms, times, group, owner, devices specials but no hard_links
recursive	recurse into directories
relative	use relative path names
no_implied_dirs	don't send implied dirs with relative
backup	make backups (see suffix & backup_dir)
backup_dir	make backups into hierarchy based in DIR
suffix	backup suffix (default ~ w/o backup_dir)
update	skip files that are newer on the receiver
inplace	update destination files in-place
append	append data onto shorter files
dirs	transfer directories without recursing
links	copy symlinks as symlinks
copy_links	transform symlink into referent file/dir
copy_unsafe_links	only "unsafe" symlinks are transformed
safe_links	ignore symlinks that point outside the tree
copy_dirlinks	transform symlink to dir into referent dir
keep_dirlinks	treat symlinked dir on receiver as dir
hard_links	preserve hard links
perms	preserve permissions
executability	preserve executability
chmod	affect file and/or directory permissions

owner	preserve owner (super-user only)
group	preserve group
devices	preserve device files (super-user only)
specials	preserve special files
times	preserve times
omit_dir_times	omit directories when preserving times
super	receiver attempts super-user activities
sparse	handle sparse files efficiently
dry_run	show what would have been transferred
whole_file	copy files whole (without rsync algorithm)
one_file_system	don't cross filesystem boundaries
block_size	force a fixed checksum block-size
rsh	specify the remote shell to use
rsync_path	specify the rsync to run on remote machine
existing	skip creating new files on receiver
ignore_existing	skip updating files that exist on receiver
remove_source_files	sender removes synchronized files (non-dir)
delete	delete extraneous files from dest dirs
delete_before	receiver deletes before transfer (default)
delete_during	receiver deletes during xfer, not before
delete_after	receiver deletes after transfer, not before
delete_excluded	also delete excluded files from dest dirs
ignore_errors	delete even if there are I/O errors
force	force deletion of dirs even if not empty
max_delete	don't delete more than NUM files
max_size	don't transfer any file larger than SIZE
min_size	don't transfer any file smaller than SIZE
partial	keep partially transferred files
partial_dir	put a partially transferred file into DIR
delay_updates	put all updated files into place at end
prune_empty_dirs	prune empty directory chains from file_list
numeric_ids	don't map uid/gid values by user/group name
timeout	set I/O timeout in seconds
ignore_times	don't skip files that match size and time

size_only	skip files that match in size
modify_window	compare mod_times with reduced accuracy
temp_dir	create temporary files in directory DIR
fuzzy	find similar file for basis if no dest file
compare_dest	also compare received files relative to DIR
copy_dest	... and include copies of unchanged files
link_dest	hardlink to files in DIR when unchanged
compress	compress file data during the transfer
compress_level	explicitly set compression level
cvs_exclude	auto_ignore files in the same way CVS does
filter	add a file_filtering RULE
exclude	exclude files matching PATTERN
exclude_from	read exclude patterns from FILE
include	don't exclude files matching PATTERN
include_from	read include patterns from FILE
files_from	read list of source-file names from FILE
from0	all *from/filter files are delimited by 0s
address	bind address for outgoing socket to daemon
port	specify double_colon alternate port number
sockopts	specify custom TCP options
blocking_io	use blocking I/O for the remote shell
stats	give some file-transfer stats
eight_bit_output	leave high-bit chars unescaped in output
human_readable	output numbers in a human-readable format
progress	show progress during transfer
itemize_changes	output a change-summary for all updates
out_format	output updates using the specified FORMAT
log_file	log what we're doing to the specified FILE
log_file_format	log updates using the specified FMT
password_file	read password from FILE
list_only	list the files instead of copying them
bwlimit	limit I/O bandwidth; KBytes per second
write_batch	write a batched update to FILE
only_write_batch	like write_batch but w/o updating dest

read_batch	read a batched update from FILE
protocol	force an older protocol version to be used
checksum_seed	set block/file checksum seed (advanced)
ipv4	prefer IPv4
ipv6	prefer IPv6
extended_attributes	copy extended attributes, resource forks
cache	disable fcntl(F_NOCACHE)
drop_src_directory	In the case where src is a single directory, don't copy the directory, but copy the contents.
args_only	Don't run anything and instead return the arguments that would have been passed to rsync.

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 syncr

*syncr*


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## Description

Wrapper around rsync, with only a few options exposed. *WARNING*: This command modifies files on your computer and therefore is potentially dangerous. Files in dest may be overwritten or deleted!

## Usage

```
syncr(src, dest, archive = TRUE, compress = TRUE, verbose = FALSE,
      relative = FALSE, delete = FALSE, dry_run = FALSE,
      drop_src_directory = FALSE, inplace = NULL, args_only = FALSE)
```

## Arguments

src	Source files to copy. See details
dest	A single destination path, possibly remote.
archive	Copy in archive mode, being recursive, preserving attributes etc? Generally this is wanted.
compress	Compress files on transfer?
verbose	Be verbose? (Always TRUE when using dry_run).
relative	Copy relative paths only, rather than the last part of the file name. So if you have a directory src and you want to synchronise all the .c files in it, you could use src="src/*.c", relative=TRUE. You can include a dot at any point in a path name to indicate where the relative directory should start from; e.g. /absolute/path/to/. /src/*.c which will create a directory src with .c files in it.

delete	Delete files on the remote machine. When mirroring this is generally what you want to do but it is not enabled by default because it's potentially dangerous.
dry_run	Don't actually do anything, but print what would be done instead.
drop_src_directory	In the case where src is a single directory, don't copy the directory, but copy the contents.
inplace	Copy files in place. This helps when copying to windows network shares where the unix emulation layer and windows don't get on very well. The downside is that if the copy fails it leaves files in an inconsistent state. By default, it will be used on windows and when the destination is an absolute path.
args_only	Don't run anything and instead return the arguments that would have been passed to rsync.

### Details

This is a simple wrapper around a few of the most common arguments to rsync. For a more complete interface, see [rsync](#).

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