# libretools - Bug #2648

## libremakepkg failing on i686 with Operation not permitted on '/tmp/*/db/sync/*.db

2020-03-03 03:41 PM - GNUtoo

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|---|---|---|---|
| **Status:** | info needed | **% Done:** | 0% |
| **Priority:** | bug | | |
| **Assignee:** | | | |
| **Category:** | | | |

**Description**

### History

#### #1 - 2020-03-03 03:43 PM - GNUtoo

I can't reproduce anymore because of some other bug but Megver83 pastebined the log on IRC which I added below.

```
==> Starting to build the package...
  |  ==> Cleaning chroot...
  |  cp: preserving times for '/tmp/chcleanup.UN9SLawrs1/db/sync/libre.db': Operation not permitted
  |  cp: preserving times for '/tmp/chcleanup.UN9SLawrs1/db/sync/core.db': Operation not permitted
  |  cp: preserving times for '/tmp/chcleanup.UN9SLawrs1/db/sync/extra.db': Operation not permitted
  |  cp: preserving times for '/tmp/chcleanup.UN9SLawrs1/db/sync/community.db': Operation not permitted
  |  cp: preserving times for '/tmp/chcleanup.UN9SLawrs1/db/sync/pcr.db': Operation not permitted
  |  cp: preserving times for '/tmp/chcleanup.UN9SLawrs1/db/sync/repo.db': Operation not permitted
  |  cp: preserving times for '/tmp/chcleanup.UN9SLawrs1/db/sync': Operation not permitted
==> ERROR: Failure(s) in pre_build: clean_chroot
==> Copying log and package files out of the chroot...
```

I did some tests:

- If the host (your laptop, an kvm vm etc) runs parabola i686, you could produce a chroot that works fine with the usual commands (libremakepkg -A i686 -n parabola-i686) and build packages this way.
  If the host runs an i686 rootfs,

#### #2 - 2020-03-03 07:09 PM - GNUtoo

At the time of the test I did, both i686 and x86_64 had the same systemd version and systemd-nspawn comes from systemd

#### #3 - 2020-03-03 07:11 PM - GNUtoo

Both also had and still have the same libretools and librelibs version (20181004-6.1)

#### #4 - 2020-03-03 07:30 PM - Megver83

This issue happened in beefcake, but I didn't know it was due to systemd-nspawn (I use OpenRC). Just installed the [nonsystemd] version, which uses chroot-nspawn, and it worked (I did 'pacman -U https://www.parabola.nu/packages/nonsystemd/x86_64/libretools/download/)

#### #5 - 2020-03-03 07:33 PM - Megver83

A temporary solution could be adding an option in libretools so the user can configure it to use systemd-nspawn or chroot-nspawn, in this way systemd users/devs would not need to install it from [nonsystemd] or use makechrootpkg from Arch's devtools

#### #6 - 2020-03-09 10:36 AM - bill-auger

*- Status changed from unconfirmed to confirmed*

*- Project changed from Packages to libretools*

there is a similar problem on beefcake that is not peculiar to i686 - building a package, or any chroot operation, in an x86_64 chroot leaves /tmp re-mounted read-only, making any further operations fail - after rebooting, /tmp will be writable, but only until some librechroot or libremakepkg operation completes, then it will be read-only, again - whatever is happening, is actually before libremakepkg completes fully; because the final clean-up step fails, while trying to clean-up /tmp

#### #7 - 2020-06-12 06:24 PM - GNUtoo

*- Status changed from confirmed to info needed*

Is that bug still valid? or do we need to close it?

#### #8 - 2020-06-12 08:46 PM - bill-auger

im not sure - the /tmp dir is still troublesome on beefcake -
often a build will fail because at some point during the build,
the /tmp dir becomes re-mounted read-only, and needs to be
re-mounted manually before re-trying

#### #9 - 2020-08-03 06:13 PM - bill-auger

ive discovered that `umount /tmp` fixes the problem without rebooting