

Packages - Bug #2150

[nonsystemd/util-linux] fdisk: can't find libreadline.so.7

2019-01-24 06:43 AM - nona

Status: fixed	% Done: 100%
Priority: broken	
Assignee: Megver83	
Category:	
Description	
Hello,	
I can't run fdisk, because it says that I don't have libreadline.so.7. It seems that I have everything which is required, however:	
<pre># sudo fdisk fdisk: error while loading shared libraries: libreadline.so.7: cannot open shared object file: No such file or directory \$ pacman -Qs readline local/perl 5.28.1-1 (base) A highly capable, feature-rich programming language local/readline 8.0.0-1 GNU readline library \$ pacman -Qs fdisk local/gptfdisk 1.0.4-1 A text-mode partitioning tool that works on GUID Partition Table (GPT) disks local/libutil-linux 2.32-3.nonsystemd1 util-linux runtime libraries \$ pacman -Q util-linux util-linux 2.32-3.nonsystemd1 cfdisk works running OpenRC linux-libre 4.20.0-gnu-1 #1 SMP PREEMPT Sun Jan 6 20:50:27 UTC 2019 x86_64 GNU/Linux</pre>	

History

#1 - 2019-01-24 12:29 PM - freemor

Can't reproduce here. ut I'm on systemd and definitely have a different util-linux

```
Name      : util-linux
Version   : 2.33.1-2
Description : Miscellaneous system utilities for Linux
Architecture : x86_64
URL       : https://www.kernel.org/pub/linux/utils/util-linux/
Licenses  : GPL2
Groups    : base base-devel
Provides  : rfkill
Depends On : pam shadow coreutils libsystemd libcap-ng libutil-linux
Optional Deps : python: python bindings to libmount [installed]
              words: default dictionary for look
Required By : apr arch-install-scripts fakeroot gupnp jfsutils mkinitcpio ntfs-3g rasqal reiserfsp
             rogs ring-daemon systemd systemd-udev
Optional For : None
Conflicts With : rfkill
Replaces    : rfkill
Installed Size : 11.64 MiB
Packager    : Bartłomiej Piotrowski <bpiotrowski@archlinux.org>
Build Date  : Thu 10 Jan 2019 11:06:42 AM AST
Install Date : Mon 14 Jan 2019 10:04:07 PM AST
Install Reason : Explicitly installed
Install Script : No
Validated By : Signature
```

The thing that stands out right away though is that your fdisk is "local/" which means it is not the version from the repo. Maybe pacman -Su gptfdisk would fix you up?

#2 - 2019-01-24 12:30 PM - freemor

and your perl is "local/" too..

please make sure both of these are the proper version from the repo.

#3 - 2019-01-24 03:53 PM - eschwartz

"local" means that it is looking at your installation database **as opposed to** the sync repositories...

And pacman has no concept of where a package was installed from, only that it is installed. "local" always refers to the installation database, it's a reserved name and cannot be used to name a repository.

Now, it is clear parabola packages a second util-linux, see https://www.parabola.nu/packages/nonsystemd/x86_64/util-linux/

Downloading that tarball and running my linkages script (<https://github.com/eli-schwartz/dotfiles/blob/master/bin/pkg-list-linked-libraries>):

```
$ pkg-list-linked-libraries util-linux-2.32-3.nonsystemd1-x86_64.pkg.tar.xz libreadline
==> checking linked libraries for util-linux-2.32-3.nonsystemd1-x86_64.pkg.tar.xz ...
/usr/bin/chfn
  NEEDED          libreadline.so.7
/usr/bin/chsh
  NEEDED          libreadline.so.7
/usr/bin/fdisk
  NEEDED          libreadline.so.7
/usr/bin/sfdisk
  NEEDED          libreadline.so.7
```

Evidently no one was keeping an eye on upstream archlinux rebuilds, specifically see <https://lists.archlinux.org/pipermail/arch-dev-public/2019-January/029428.html>

In addition to similar recent issues with libidn2 and ruby and suchlike, you will additionally need to find all parabola-specific packages which link to libreadline.so.7 and rebuild those.

#4 - 2019-01-24 05:54 PM - freemor

[eschwartz](#) Thanks for that Input. I'll be more careful before responding in the future.

#5 - 2019-01-24 06:06 PM - freemor

- Assignee set to Megver83

#6 - 2019-01-27 04:08 AM - nona

eschwartz wrote:

In addition to similar recent issues with libidn2 and ruby and suchlike, you will additionally need to find all parabola-specific packages which link to libreadline.so.7 and rebuild those.

Thanks. I got a bit lost: is this comment meant for me? does this mean that installing them from the repo (pacman -S <package>) is not the solution, but building and installing them locally (makepkg; pacman -U *.pkg.tar.xz)? If building locally is required, how do I find all the packages that I would need?

#7 - 2019-01-27 04:54 AM - bill-auger

nona -

no, that was saying all parabola packages with those dependencies need to be rebuilt

#8 - 2019-01-27 05:52 AM - bill-auger

- Priority changed from bug to broken

- Subject changed from fdisk can't find libreadline.so.7 to [nonsystemd/fdisk]: can't find libreadline.so.7

#9 - 2019-01-27 08:27 AM - bill-auger

fdisk comes from arch core - that package is not broken - the one that needs rebuilding is the one in [nonsystemd]

unfortunately it is not possible to build this package because of one of those pesky systemd/udev conflicts that only lukeshu and megver understand - it appears that [#2026](#) just became a high-priority issue

with [nonsystemd] repo disabled:

```
$ sudo libremakepkg
....
| > resolving dependencies...
| > looking for conflicting packages...
| > :: eudev and systemd-udev are in conflict (udev). Remove systemd-udev? [y/N] error: unresolvable package conflicts detected
| > error: failed to prepare transaction (conflicting dependencies)
| >
| > :: eudev and systemd-udev are in conflict
```

with [nonsystemd] repo enabled:

```
$ sudo libremakepkg
....
| > resolving dependencies...
| > looking for conflicting packages...
| > :: eudev-libudev and systemd-libudev are in conflict (libudev). Remove systemd-libudev? [y/N] error: unresolvable package conflicts detected
| > error: failed to prepare transaction (conflicting dependencies)
| >
| > :: eudev-libudev and systemd-libudev are in conflict
```

and trying to build the package outside the chroot looks like a very bad idea:

```
$ makepkg -s
==> Making package: util-linux 2.33.1-2.nonsystemd1 (Sun 27 Jan 2019 03:19:23 AM EST)
==> Checking runtime dependencies...
==> Checking buildtime dependencies...
==> Installing missing dependencies...
resolving dependencies...
looking for conflicting packages...
:: eudev and systemd-udev are in conflict (udev). Remove systemd-udev? [y/N] y
:: eudev-libudev and systemd-libudev are in conflict (libudev). Remove systemd-libudev? [y/N]
```

i also tried deleting and re-creating the chroot root replica fresh

maybe this package needs to be built on an openrc system ?

#10 - 2019-01-31 02:12 AM - Megver83

- Status changed from open to in progress

- Subject changed from [nonsystemd/fdisk]: can't find libreadline.so.7 to [nonsystemd/util-linux] fdisk: can't find libreadline.so.7

don't worry guys, I'll upgrade nonsystemd/util-linux very soon

#11 - 2019-01-31 02:21 AM - bill-auger

but how do you do it megver? - does this package needs to be built on an openrc system ? - did i do something wrong, or does this package always require special treatment?

after the past month of lukeshu and ovruni being absent, it has become very noticeable how much of the system and tooling that only a few devs understand, and how many unknowns there would be for the others to learn in case of an emergency

in this case, if it is known that this package can never be built in the standard way, there should be comments in the PKGBUILD explaining what to do

#12 - 2019-01-31 03:32 PM - Megver83

bill-auger wrote:

but how do you do it megver? - does this package needs to be built on an openrc system ? - did i do something wrong, or does this package always require special treatment?

The chroot must be fully free from systemd (not necessarily OpenRC, unless you want to build OpenRC pkgs). That is why it is better to have a nonsystemd-chroot to build non-systemd stuff.

after the past month of lukeshu and ovruni being absent, it has become very noticeable how much of the system and tooling that only a few devs understand, and how many unknowns there would be for the others to learn in case of an emergency

in this case, if it is known that this package can never be built in the standard way, there should be comments in the PKGBUILD explaining what to do

True. Could you write about in the mailing list? (btw, I think oaken-source does already)

#13 - 2019-02-01 12:49 AM - bill-auger

Megver83 wrote:

bill-auger wrote:

does this package needs to be built on an openrc system?

The chroot must be fully free from systemd (not necessarily OpenRC,

er confusion? - openrc is only one other init - yes? - so "fully free from systemd" implies "necessarily OpenRC" - doesnt it?

i think you were saying that if parabola had a third init, that could be used also - i assume that it is the purpose of the [nonsystemd] repo, to support multiple inits, whatever they may be; though today there is only one alternative to systemd

so today, this package does necessarily need to be built on an openrc system, because that is the only way today to boot parabola "fully free from systemd" - is that correct? - or maybe it is not important because the chroot does not need to boot nor start any services?

#14 - 2019-02-01 12:54 AM - bill-auger

Megver83 wrote:

Could you write about in the mailing list? (btw, I think oaken-source does already)

why are you asking me to write to the mailing list, couldnt you do that? - i dont really understand what you are asking me to write about

write about what? - whether there should be a new nonsystemd librechroot; or whether unconventional build procedures should be documented?

what does oaken-source do already? - does he build in a special chroot; or does he document unconventional build procedures?

there is an open bug ticket about modifying the i686 librechroot becuase many packages will not build without the [build-support] repo enabled - if the discussion is about a new nonsystemd librechroot, maybe we could just re-use that ticket for both <https://labs.parabola.nu/issues/2140>

do you think it would be better to have such discussions only on the mailing list and not on redmine? - i dont know whats more effective - i have never found it easy to get more than two parabola devs in on the same conversation

#15 - 2019-02-01 03:02 AM - Megver83

bill-auger wrote:

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bill-auger wrote:

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We have a total of four inits:

- systemd
- openrc
- sysvinit
- runit

#16 - 2019-02-01 04:28 AM - Megver83

- % Done changed from 0 to 100

- Status changed from in progress to fixed

Solved

<https://git.parabola.nu/abslibre.git/commit/?id=a96f75f35c5a87061c86c312feb1fc37d661adfe>