

## Packages - Bug #2031

### [pam] On i686 libpam.so links against libaudit.so, but doesn't depend=(audit)

2018-10-09 10:01 AM - bill-auger

<b>Status:</b>	forwarded upstream	<b>% Done:</b>	90%
<b>Priority:</b>	critical		
<b>Assignee:</b>	lukeshu		
<b>Category:</b>			
<b>Description</b>			
i cant fully explain why this is, but there is a major breakage for anyone using openrc who upgrades i686 today			
<pre>\$ sudo ls / sudo: error in /etc/sudo.conf, line 0 while loading plugin "sudoers_policy" sudo: unable to load /usr/lib/sudo/sudoers.so: libaudit.so.1: cannot open shared object file: No such file or directory sudo: fatal error, unable to load plugins</pre>			
this seems to come down to the latest version of systemd that is in [core], which has added a dependency on the 'audit' package - now su from 'util-linux' wants to link to the audit .so - there is no update to 'util-linux' - the linker is enforcing this for some reason - this causes su and sudo not to work - and worse, it is not possible to login as any user; so as soon as you logout, yer toast - i had to chroot in and install the 'audit' package - but that did solve the problem			
so probably the 'notsystemd' dummy package needs to depend on 'audit' now - that is the one that depends on util-linux su is the only thing i noticed that actually needs it so maybe it is only a dependency of that; but it is 'systemd' in [core] that added the dependency explicitly and not 'util-linux'			
another thing i note was that 'util-linux' is a 'base' package; but not a 'base-openrc' package - im not sure why that is			

## History

### #1 - 2018-10-09 10:05 AM - bill-auger

- Priority changed from bug to critical

### #2 - 2018-10-09 02:40 PM - lukeshu

another thing i note was that 'util-linux' is a 'base' package; but not a 'base-openrc' package - im not sure why that is

Because it's imported from Arch; and that would be the only change. So, instead, it's a dep of the pcr/base-meta.

### #3 - 2018-10-09 02:42 PM - lukeshu

Wait, is su affected, or just sudo?

### #4 - 2018-10-09 03:27 PM - lukeshu

```
$ pacman -Qlq util-linux libutil-linux sudo | grep -v '/$' | xargs ldd 2>/dev/null | grep -i -e audit -e ^/ |
grep -i -B1 audit
/usr/bin/chfn:
    libaudit.so.1 => /usr/lib/libaudit.so.1 (0xb7cc8000)
--
/usr/bin/chsh:
    libaudit.so.1 => /usr/lib/libaudit.so.1 (0xb7bfb000)
--
/usr/bin/login:
    libaudit.so.1 => /usr/lib/libaudit.so.1 (0xb7cd7000)
--
/usr/bin/runuser:
    libaudit.so.1 => /usr/lib/libaudit.so.1 (0xb7d39000)
--
/usr/bin/su:
    libaudit.so.1 => /usr/lib/libaudit.so.1 (0xb7cea000)
--
/usr/lib/sudo/sudoers.so:
```

```
libaudit.so.1 => /usr/lib/libaudit.so.1 (0xb7aaa000)
```

and

```
$ pacman -Qlq util-linux libutil-linux sudo | grep -v '/$' | xargs ldd 2>/dev/null | grep -i -e audit -e ^/ |  
grep -i -B1 -e audit | grep ^/ | cut -d: -f1 | pacman -Qo -  
/usr/bin/chfn is owned by util-linux 2.32.1-2.1  
/usr/bin/chsh is owned by util-linux 2.32.1-2.1  
/usr/bin/login is owned by util-linux 2.32.1-2.1  
/usr/bin/runuser is owned by util-linux 2.32.1-2.1  
/usr/bin/su is owned by util-linux 2.32.1-2.1  
/usr/lib/sudo/sudoers.so is owned by sudo 1.8.25-1.0
```

Note that this only appears to be an issue on i686; on x86\_64 those are **not** linked against libaudit.

#### #5 - 2018-10-09 03:31 PM - lukeshu

Versions:

```
      | util-linux | sudo  
x86_64 | 2.32.1-2     | 1.8.25.p1-1  
i686   | 2.32.1-2.1   | 1.8.25-1.0
```

#### #6 - 2018-10-09 03:35 PM - lukeshu

They seem to be linked with libaudit indirectly through libpam.

```
      | pam  
x86_64 | 1.3.1-1  
i686   | 1.3.1-1.2
```

#### #7 - 2018-10-09 03:47 PM - lukeshu

[https://bugs.archlinux32.org/index.php?do=details&task\\_id=54](https://bugs.archlinux32.org/index.php?do=details&task_id=54)

#### #8 - 2018-10-09 03:50 PM - lukeshu

Temporary fix:

- Copy Arch 32's pam PKGBUILD to libre/pam/
- Add depends+=(audit)
- Set arch=(i686) (removing the other arches)
- Set ver to 1.3.1-1.3.par1

#### #9 - 2018-10-09 08:57 PM - lukeshu

- Subject changed from [util-linux][notsystemd]: su requires audit .so that is not a dependency on an openrc system to [pam] On i686 libpam.so links against libaudit.so, but doesn't depends=(audit)

#### #10 - 2018-10-09 09:27 PM - bill-auger

- Status changed from open to forwarded upstream

#### #11 - 2018-10-10 01:04 AM - lukeshu

<https://bugs.archlinux.org/task/60365>

#### #12 - 2018-10-10 02:17 AM - lukeshu

- % Done changed from 0 to 90

pam-1.3.1-1.3.par1-i686 is now on libre.

Leaving this issue open until it's fixed upstream in Arch 32 and we can remove libre/pam.