

Packages - Bug #2530

[wireguard-dkms]: fails to build on linux-libre since at least 5.3.1

2019-11-02 06:05 PM - fauno

Status: confirmed	% Done: 100%
Priority: bug	
Assignee: Megver83	
Category:	
Description	
<p>Hi, I noticed this happening since linux-libre 5.3.1 and some bug reports on Arch suggested it was a matter of rebuilding the kernel, so I just waited for the next update, but the issue persisted. Said bug reports are closed without a clear fix so I don't have more helpful info :/</p> <pre>DKMS make.log for wireguard-0.0.20191012 for kernel 5.3.7-gnu-1 (x86_64) sáb nov 2 11:38:35 -03 2019 make: se entra en el directorio '/usr/lib/modules/5.3.7-gnu-1/build' CC [M] /var/lib/dkms/wireguard/0.0.20191012/build/noise.o CC [M] /var/lib/dkms/wireguard/0.0.20191012/build/main.o ccl: error: incompatible gcc/plugin versions ccl: error: no se puede inicializar el plugin ./scripts/gcc-plugins/structleak_plugin.so make[1]: *** [scripts/Makefile.build:281: /var/lib/dkms/wireguard/0.0.20191012/build/main.o] Error 1 make[1]: *** Se espera a que terminen otras tareas.... ccl: error: incompatible gcc/plugin versions ccl: error: no se puede inicializar el plugin ./scripts/gcc-plugins/structleak_plugin.so make[1]: *** [scripts/Makefile.build:281: /var/lib/dkms/wireguard/0.0.20191012/build/noise.o] Error 1 make: *** [Makefile:1626: _module_/var/lib/dkms/wireguard/0.0.20191012/build] Error 2 make: se sale del directorio '/usr/lib/modules/5.3.7-gnu-1/build'</pre>	
Related issues:	
Related to Packages - Bug #2658: incompatible gcc/plugin versions	unconfirmed

History

#1 - 2019-11-02 06:16 PM - fauno

it does build for linux-libre-lts

#2 - 2019-11-02 06:23 PM - bill-auger

- Assignee set to Megver83

- Description updated

megver - could this be a kernel bug?

#3 - 2019-11-03 12:13 AM - Megver83

- Status changed from unconfirmed to forwarded upstream

bill-auger wrote:

megver - could this be a kernel bug?

looks like it is, and if according to [fauno](#) the same bug was reported in Arch, then it is a problem of upstream kernel (Torvalds), which I cannot solve in the meantime unfortunately. Meanwhile users will have to build it using the LTS kernel

#4 - 2019-11-03 03:56 PM - fauno

i think it's a package build issue: <https://bugs.archlinux.org/task/63644>

somewhat related: <https://unix.stackexchange.com/questions/547159/how-to-rebuild-gcc-plugins-for-kernel-module>

#5 - 2019-11-03 04:25 PM - fauno

the only difference between the headers package i see between mainline and lts are that mainline contains the failing build/scripts/gcc-plugins/structleak_plugin.so but lts doesn't. i tried removing the file and any binary file in the gcc-plugins directory but now it complains it can't find the file

#6 - 2019-11-03 04:40 PM - fauno

i fixed it like this, so i think it's a build issue (is the issue tracker indexed by search engines? it should be useful for people asking the same for arch and manjaro)

- download, unpack and patch linux-libre 5.3.7 sources from pkgbuild

...

```
wget https://linux-libre.fsfla.org/pub/linux-libre/releases/5.3-gnu/linux-libre-5.3-gnu.tar.xz \
https://linux-libre.fsfla.org/pub/linux-libre/releases/5.3.7-gnu/patch-5.3-gnu-5.3.7-gnu.xz
bsdtar xf linux-libre-5.3-gnu.tar.xz
unxz patch-5.3-gnu-5.3.7-gnu.xz
cd linux-5.3
patch -Np 1 -i ../patch-5.3-gnu-5.3.7-gnu
```

...

- Copy config

...

```
zcat /proc/config.gz > .config
```

...

- Build scripts, this builds gcc-plugins, and strip the broken plugin

...

```
make scripts
strip --strip-unneeded scripts/gcc-plugins/structleak_plugin.so
```

...

- Replace it and reinstall wireguard-dkms to rebuild modules

...

```
sudo cp -a scripts/gcc-plugins/structleak_plugin.so /lib/modules/5.3.7-gnu-1/build/scripts/gcc-plugins/
sudo pacman -S --noconfirm wireguard-dkms
```

...

#7 - 2019-11-09 07:46 PM - dllud

I am facing this exact same issue both with wireguard-dkms and tp_smapi-dkms (probably affects all dkms builds). Didn't have the time yet to try fauno's fix, though it seems it should be incorporated into the linux-libre build for the time being, while that structleak_plugin is broken.

#8 - 2019-11-10 06:57 PM - Megver83

Could you try with the latest linux-libre 5.3.8? Also, what GCC version are you using?

#9 - 2019-11-11 01:08 AM - dllud

It builds successfully with linux-libre 5.3.8. Unfortunately I cannot test if the modules actually work because I am having another issue with 5.3.8: [#2543](#) Anyway, upon a successful build these modules always worked, so I guess you can close this issue.

gcc 9.2.0-4 (base-devel)

#10 - 2019-11-13 01:51 PM - Megver83

- % Done changed from 0 to 100

- Status changed from forwarded upstream to fixed

#11 - 2020-02-29 05:51 PM - dllud

This same exact issue has now re-emerged with linux-libre 5.5.x

Could you please apply the same fix as before?

```
DKMS make.log for wireguard-0.0.20200215 for kernel 5.5.1-gnu-1 (x86_64)
Sat 29 Feb 2020 17:46:32 WET
make: Entering directory '/usr/lib/modules/5.5.1-gnu-1/build'
AR      /var/lib/dkms/wireguard/0.0.20200215/build/built-in.a
CC [M]  /var/lib/dkms/wireguard/0.0.20200215/build/noise.o
CC [M]  /var/lib/dkms/wireguard/0.0.20200215/build/main.o
```

```
CC [M] /var/lib/dkms/wireguard/0.0.20200215/build/device.o
CC [M] /var/lib/dkms/wireguard/0.0.20200215/build/peer.o
ccl: error: incompatible gcc/plugin versions
ccl: error: incompatible gcc/plugin versions
ccl: error: fail to initialize plugin ./scripts/gcc-plugins/structleak_plugin.so
ccl: error: fail to initialize plugin ./scripts/gcc-plugins/structleak_plugin.so
make[1]: *** [scripts/Makefile.build:266: /var/lib/dkms/wireguard/0.0.20200215/build/main.o] Error 1
make[1]: *** Waiting for unfinished jobs....
make[1]: *** [scripts/Makefile.build:266: /var/lib/dkms/wireguard/0.0.20200215/build/noise.o] Error 1
ccl: error: incompatible gcc/plugin versions
ccl: error: fail to initialize plugin ./scripts/gcc-plugins/structleak_plugin.so
make[1]: *** [scripts/Makefile.build:266: /var/lib/dkms/wireguard/0.0.20200215/build/device.o] Error 1
ccl: error: incompatible gcc/plugin versions
ccl: error: fail to initialize plugin ./scripts/gcc-plugins/structleak_plugin.so
make[1]: *** [scripts/Makefile.build:266: /var/lib/dkms/wireguard/0.0.20200215/build/peer.o] Error 1
make: *** [Makefile:1693: /var/lib/dkms/wireguard/0.0.20200215/build] Error 2
make: Leaving directory '/usr/lib/modules/5.5.1-gnu-1/build'
```

#12 - 2020-03-02 02:00 PM - fauno

confirmed it's happening again

#13 - 2020-03-02 02:01 PM - fauno

- Status changed from fixed to confirmed

#14 - 2020-03-06 02:47 AM - dllud

Seems to be fixed on linux-libre 5.5.7

#15 - 2020-03-22 02:14 PM - bill-auger

- Related to Bug #2658: incompatible gcc/plugin versions added