

batman-adv - Bug #342

soft-interface.c:1050:7: 'struct net_device' has no member named 'destructor'

07/21/2017 09:59 AM - Ruben Kelevra

Status:	Closed	Start date:	07/21/2017
Priority:	Normal	Due date:	
Assignee:	Ruben Kelevra	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	2017.2		

Description

I tried to compile batman-adv 2017.1 with gcc 7.1.1 for kernel 4.11.9 and run into some trouble.

```
make -C /usr/lib/modules/4.11.9-1-ARCH/build M=/tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build PWD=/tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build REVISION= CONFIG_BATMAN_ADV=m CONFIG_BATMAN_ADV_DEBUG=n CONFIG_BATMAN_ADV_DEBUGFS=y CONFIG_BATMAN_ADV_BLA=y CONFIG_BATMAN_ADV_DAT=y CONFIG_BATMAN_ADV_NC=n CONFIG_BATMAN_ADV_MCAST=n CONFIG_BATMAN_ADV_BATMAN_V=n INSTALL_MOD_DIR=updates/ modules
make[1]: Entering directory '/usr/lib/modules/4.11.9-1-ARCH/build'
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/bat_algo.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/bat_iv_ogm.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/bitarray.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/bridge_loop_avoidance.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/debugfs.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/distributed-arp-table.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/fragmentation.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/gateway_client.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/gateway_common.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/hard-interface.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/hash.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/icmp_socket.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/main.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/netlink.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/originator.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/routing.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/send.o
  CC [M] /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/soft-interface.o
/tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/soft-interface.c:
In function 'batadv_softif_init_early':
/tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/soft-interface.c:1050:7: error: 'struct net_device' has no member named 'destructor'; did you mean 'priv_destructor'?
    dev->destructor = batadv_softif_free;
           ^~~~~~
           priv_destructor
make[3]: *** [scripts/Makefile.build:295: /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build/net/batman-adv/soft-interface.o] Error 1
make[2]: *** [scripts/Makefile.build:553: /tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017
```

```
.1/build/net/batman-adv] Error 2
make[1]: *** [Makefile:1492: _module_/tmp/yaourt-tmp-ruben/aur-batman-adv/src/batman-adv-2017.1/build] Error 2
make[1]: Leaving directory '/usr/lib/modules/4.11.9-1-ARCH/build'
make: *** [Makefile:90: all] Error 2
```

History

#1 - 07/21/2017 10:07 AM - Sven Eckelmann

- Assignee changed from batman-adv developers to Ruben Kelevra
- Status changed from New to In Progress

Unfortunately, somebody thought that it is a good idea to change the API with a stable kernel. Not much we can do about it and we will most likely not fix it for those stable kernels (unless somebody wants to go through all those stable kernels and add the checks to `compat-include/linux/netdevice.h`). Please apply <https://patchwork.open-mesh.org/project/b.a.t.m.a.n/patch/20170609070510.19552-1-sven@narfation.org/>

Btw. your kernel is EOL

#2 - 07/21/2017 11:18 AM - Sven Eckelmann

Just searched through the Linux stable commits and for references to this change

```
$ git clone https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable.git
$ cd linux-stable
$ for i in $(git log --grep 'Upstream commit cf124db566e6b036b8bcbe8decbed740bdfac8c6' --all --pretty=oneline |
awk '{ print $1 }'); do git tag --contains "${i}" | sort -V | head -n1; done
v4.11.9
```

v4.11.9-v4.11.12 are the only pre 4.12 kernels which have this commit backported. It is therefore less of a problem for us to mark the affected versions than I've expected. Can you please apply

<https://patchwork.open-mesh.org/project/b.a.t.m.a.n/patch/20170609164234.26938-1-sven@narfation.org/> and <https://patchwork.open-mesh.org/project/b.a.t.m.a.n/patch/20170721091709.7978-1-sven@narfation.org/> and test again

#3 - 07/21/2017 12:09 PM - Ruben Kelevra

[QUOTE]Btw. your kernel is EOL[/QUOTE]

Well, under archlinux, unfortunately, the 4.12 kernel is still in testing ... I doubt that's without a good reason, so I gonna wait until it's moved to the stable branch. :)

I'll try your patches 17043 and 17074 and report back.

#4 - 07/21/2017 12:40 PM - Ruben Kelevra

Working fine, thank you!

<https://aur.archlinux.org/cgi/aur/git/commit/PKGBUILD?h=batman-adv&id=3cd03224bba81891bb64bcc0156ffa5a4edad451>

This ticket can be closed. :)

#5 - 07/21/2017 01:14 PM - Sven Eckelmann

- *Target version set to 2017.2*

- *Status changed from In Progress to Resolved*

#6 - 07/28/2017 02:03 PM - Sven Eckelmann

- *Status changed from Resolved to Closed*