

batman-adv - Bug #412

general protection fault in batadv_hardif_get_by_netdev

07/22/2020 08:55 PM - Sven Eckelmann

Status:	New	Start date:	07/22/2020
Priority:	Normal	Due date:	
Assignee:	batman-adv developers	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Hello,			
syzbot found the following crash on:			
HEAD commit: 0aea6d5c Merge tag 'for-linus-5.8b-rc5-tag' of git://git.k..			
git tree: upstream			
console output: https://syzkaller.appspot.com/x/log.txt?x=1596004f100000			
kernel config: https://syzkaller.appspot.com/x/.config?x=66ad203c2bb6d8b			
dashboard link: https://syzkaller.appspot.com/bug?extid=4a2d01c2df834fe6e86d			
compiler: gcc (GCC) 10.1.0-syz 20200507			
userspace arch: i386			
Unfortunately, I don't have any reproducer for this crash yet.			
IMPORTANT: if you fix the bug, please add the following tag to the commit: Reported-by: syzbot+4a2d01c2df834fe6e86d@syzkaller.appspotmail.com			
netlink: 24 bytes leftover after parsing attributes in process `syz-executor.4'. general protection fault, probably for non-canonical address 0xdffffc0000000003: 0000 [#1] PREEMPT SMP KASAN			
KASAN: null-ptr-deref in range [0x0000000000000018-0x000000000000001f]			
CPU: 1 PID: 11316 Comm: syz-executor.4 Not tainted 5.8.0-rc4-syzkaller #0			
Hardware name: Google Google Compute Engine/Google Compute Engine, BIOS Google 01/01/2011			
RIP: 0010:batadv_hardif_get_by_netdev+0x14c/0x400 net/batman-adv/hard-interface.c:72			
Code: 18 00 0f 85 92 02 00 00 4d 8b 24 24 49 81 fc e0 29 4f 8d 0f 84 b4 01 00 00 e8 00 01 ab f9 49 8d 7c 24 18 48 89 f8 48 c1 e8 03 <80> 3c 18 00 0f 85 73 02 00 00 4d 39 6c 24 18 75 b7 e8 de 00 ab f9			
RSP: 0018:ffffc900171aeca8 EFLAGS: 00010206			
RAX: 0000000000000003 RBX: dffffc0000000000 RCX: fffffc90011a8c000			
RDX: 0000000000040000 RSI: ffffffff87c8b900 RDI: 0000000000000018			
RBP: ffff88802afd4000 R08: 0000000000000000 R09: ffffffff8c593a27			
R10: 0000000000000000 R11: 0000000000000000 R12: 0000000000000000			
R13: ffff88802afd4000 R14: 0000000000000000 R15: ffffffff8aa441c0			
FS: 0000000000000000 (0000) GS:ffff8880ae700000(0063) knlGS:00000000f5d6db40			
CS: 0010 DS: 002b ES: 002b CR0: 0000000080050033			
CR2: 000055feecf1dcd8 CR3: 0000000027b29000 CR4: 00000000001426e0			
DR0: 0000000000000000 DR1: 0000000000000000 DR2: 0000000000000000			
DR3: 0000000000000000 DR6: 00000000ffffe0ff0 DR7: 00000000000000400			
Call Trace:			
batadv_hard_if_event+0x62/0x12f0 net/batman-adv/hard-interface.c:1031			
notifier_call_chain+0xb5/0x200 kernel/notifier.c:83			
call_netdevice_notifiers_info+0xb5/0x130 net/core/dev.c:2027			
call_netdevice_notifiers_extack net/core/dev.c:2039 [inline]			
call_netdevice_notifiers net/core/dev.c:2053 [inline]			
register_netdevice+0xa52/0x1540 net/core/dev.c:9509			
veth_newlink+0x405/0xa00 drivers/net/veth.c:1366			
__rtnl_newlink+0x1090/0x1730 net/core/rtnetlink.c:3339			
rtnl_newlink+0x64/0xa0 net/core/rtnetlink.c:3397			
rtnetlink_rcv_msg+0x44e/0xad0 net/core/rtnetlink.c:5460			
netlink_rcv_skb+0x15a/0x430 net/netlink/af_netlink.c:2469			
netlink_unicast_kernel net/netlink/af_netlink.c:1303 [inline]			

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netlink_unicast+0x533/0x7d0 net/netlink/af_netlink.c:1329
netlink_sendmsg+0x856/0xd90 net/netlink/af_netlink.c:1918
sock_sendmsg_nosec net/socket.c:652 [inline]
sock_sendmsg+0xcf/0x120 net/socket.c:672
___sys_sendmsg+0x6e8/0x810 net/socket.c:2352
__sys_sendmsg+0xf3/0x170 net/socket.c:2406
__sys_sendmsg+0xe5/0x1b0 net/socket.c:2439
do_syscall_32_irqs_on+0x3f/0x60 arch/x86/entry/common.c:428
__do_fast_syscall_32 arch/x86/entry/common.c:475 [inline]
do_fast_syscall_32+0x7f/0x120 arch/x86/entry/common.c:503
entry_SYSENTER_compat_after_hwframe+0x4d/0x5c
RIP: 0023:0xf7f72569
Code: Bad RIP value.
RSP: 002b:00000000f5d6d0cc EFLAGS: 00000296 ORIG_RAX: 0000000000000172
RAX: ffffffffda RBX: 0000000000000007 RCX: 0000000200000040
RDX: 0000000000000000 RSI: 0000000000000000 RDI: 0000000000000000
RBP: 0000000000000000 R08: 0000000000000000 R09: 0000000000000000
R10: 0000000000000000 R11: 0000000000000000 R12: 0000000000000000
R13: 0000000000000000 R14: 0000000000000000 R15: 0000000000000000
Modules linked in:
```

See also:

- <https://lists.open-mesh.org/mailman3/hyperkitty/list/b.a.t.m.a.n@lists.open-mesh.org/message/EPHQY7VW75OYEEU2NAWC!EN7XUM2AKJ/>