```
☐ torvalds / linux Public
```

net ticp:fix a kernel-infoleak in __tipc_sendmsg() **Browse files** struct tipc socket addr.ref has a 4-byte hole, and tipc getname() currently copying it to user space, causing kernel-infoleak. BUG: KMSAN: kernel-infoleak in instrument_copy_to_user include/linux/instrumented.h:121 [inline] BUG: KMSAN: kernel-infoleak in instrument_copy_to_user include/linux/instrumented.h:121 [inline] lib/usercopy.c:33 BUG: KMSAN: kernel-infoleak in _copy_to_user+0x1c9/0x270 lib/usercopy.c:33 lib/usercopy.c:33 instrument copy to user include/linux/instrumented.h:121 [inline] instrument copy to user include/linux/instrumented.h:121 [inline] lib/usercopy.c:33 copy to user+0x1c9/0x270 lib/usercopy.c:33 lib/usercopy.c:33 copy_to_user include/linux/uaccess.h:209 [inline] copy to user include/linux/uaccess.h:209 [inline] net/socket.c:287 move_addr_to_user+0x3f6/0x600 net/socket.c:287 net/socket.c:287 __sys_getpeername+0x470/0x6b0 net/socket.c:1987 net/socket.c:1987 __do_sys_getpeername net/socket.c:1997 [inline] __se_sys_getpeername net/socket.c:1994 [inline] do sys getpeername net/socket.c:1997 [inline] net/socket.c:1994 __se_sys_getpeername net/socket.c:1994 [inline] net/socket.c:1994 __x64_sys_getpeername+0xda/0x120 net/socket.c:1994 net/socket.c:1994 do_syscall_x64 arch/x86/entry/common.c:51 [inline] do_syscall_x64 arch/x86/entry/common.c:51 [inline] arch/x86/entry/common.c:82 do syscall 64+0x54/0xd0 arch/x86/entry/common.c:82 arch/x86/entry/common.c:82 entry_SYSCALL_64_after_hwframe+0x44/0xae Uninit was stored to memory at: tipc getname+0x575/0x5e0 net/tipc/socket.c:757 net/tipc/socket.c:757 __sys_getpeername+0x3b3/0x6b0 net/socket.c:1984 net/socket.c:1984 __do_sys_getpeername net/socket.c:1997 [inline] __se_sys_getpeername net/socket.c:1994 [inline] __do_sys_getpeername net/socket.c:1997 [inline] net/socket.c:1994 __se_sys_getpeername net/socket.c:1994 [inline] net/socket.c:1994 __x64_sys_getpeername+0xda/0x120 net/socket.c:1994 net/socket.c:1994 do_syscall_x64 arch/x86/entry/common.c:51 [inline] do_syscall_x64 arch/x86/entry/common.c:51 [inline] arch/x86/entry/common.c:82 do_syscall_64+0x54/0xd0 arch/x86/entry/common.c:82 arch/x86/entry/common.c:82 entry_SYSCALL_64_after_hwframe+0x44/0xae Uninit was stored to memory at: msg_set_word net/tipc/msg.h:212 [inline] msg_set_destport net/tipc/msg.h:619 [inline] msg_set_word net/tipc/msg.h:212 [inline] net/tipc/socket.c:1486 msg_set_destport net/tipc/msg.h:619 [inline] net/tipc/socket.c:1486 __tipc_sendmsg+0x44fa/0x5890 net/tipc/socket.c:1486 net/tipc/socket.c:1486

```
tipc sendmsg+0xeb/0x140 net/tipc/socket.c:1402 net/tipc/socket.c:1402
 sock_sendmsg_nosec net/socket.c:704 [inline]
 sock sendmsg net/socket.c:724 [inline]
 sock_sendmsg_nosec net/socket.c:704 [inline] net/socket.c:2409
 sock_sendmsg net/socket.c:724 [inline] net/socket.c:2409
   sys sendmsg+0xe11/0x12c0 net/socket.c:2409 net/socket.c:2409
 ___sys_sendmsg net/socket.c:2463 [inline]
  sys sendmsg net/socket.c:2463 [inline] net/socket.c:2492
__sys_sendmsg+0x704/0x840 net/socket.c:2492 net/socket.c:2492
__do_sys_sendmsg net/socket.c:2501 [inline]
 __se_sys_sendmsg net/socket.c:2499 [inline]
__do_sys_sendmsg net/socket.c:2501 [inline] net/socket.c:2499
__se_sys_sendmsg net/socket.c:2499 [inline] net/socket.c:2499
 x64 sys sendmsg+0xe2/0x120 net/socket.c:2499 net/socket.c:2499
do syscall x64 arch/x86/entry/common.c:51 [inline]
do_syscall_x64 arch/x86/entry/common.c:51 [inline] arch/x86/entry/common.c:82
do syscall 64+0x54/0xd0 arch/x86/entry/common.c:82 arch/x86/entry/common.c:82
 entry_SYSCALL_64_after_hwframe+0x44/0xae
Local variable skaddr created at:
 __tipc_sendmsg+0x2d0/0x5890 net/tipc/socket.c:1419 net/tipc/socket.c:1419
tipc sendmsg+0xeb/0x140 net/tipc/socket.c:1402 net/tipc/socket.c:1402
Bytes 4-7 of 16 are uninitialized
Memory access of size 16 starts at ffff888113753e00
Data copied to user address 0000000020000280
Reported-by: syzbot+cdbd40e0c3ca02cae3b7@syzkaller.appspotmail.com
Signed-off-by: Haimin Zhang <tcs kernel@tencent.com>
Acked-by: Jon Maloy <jmaloy@redhat.com>
Link: https://lore.kernel.org/r/1640918123-14547-1-git-send-email-tcs.kernel@gmail.com
Signed-off-by: Jakub Kicinski <kuba@kernel.org>
۲ master
v6.1-rc6 ... v5.16
7 YunDingLab authored and kuba-moo committed on Dec 31
                  commit d6d86830705f173fca6087a3e67ceaf68db80523
1 parent 5e75d0b
```

Showing 1 changed file with 2 additions and 0 deletions.

Split Unified

0 comments on commit d6d8683

Please sign in to comment.