



index : kernel/git/stable/linux.git

master

switch

Linux kernel stable tree

Stable Group

[about](#) [summary](#) [refs](#) [log](#) [tree](#) [commit](#) [diff](#) [stats](#)

log msg

search

author Tung Nguyen <tung.quang.nguyen@est.tech> 2025-04-03 09:24:31 +0000
committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-04-25 10:43:24 +0200
commit 24e6280cdd7f8d01fc6b9b365fb800c2fb7ea9bb (patch)
tree 7c943fa53e3446688f1e4f3e97f9ec7fa1ee906e
parent 2dc53c7a0c1f57b082931facafa804a7ca32a9a6 (diff)
download linux-24e6280cdd7f8d01fc6b9b365fb800c2fb7ea9bb.tar.gz

diff options

context: 3
space: include
mode: unified

tipc: fix memory leak in tipc_link_xmit

[Upstream commit 69ae94725f4fc9e75219d2d69022029c5b24bc9a]

In case the backlog transmit queue for system-importance messages is overloaded, tipc_link_xmit() returns -ENOBUFFS but the skb list is not purged. This leads to memory leak and failure when a skb is allocated.

This commit fixes this issue by purging the skb list before tipc_link_xmit() returns.

Fixes: 365ad353c256 ("tipc: reduce risk of user starvation during link congestion")

Signed-off-by: Tung Nguyen <tung.quang.nguyen@est.tech>

Link: <https://patch.msgid.link/20250403092431.514063-1-tung.quang.nguyen@est.tech>

Signed-off-by: Paolo Abeni <pabeni@redhat.com>

Signed-off-by: Sasha Levin <sashal@kernel.org>

Diffstat

```
-rw-r--r-- net/tipc/link.c 1
```

1 files changed, 1 insertions, 0 deletions

diff --git a/net/tipc/link.c b/net/tipc/link.c

index 8715c9b05f90d0..d6a8f0aa531bd2 100644

--- a/net/tipc/link.c

+++ b/net/tipc/link.c

```
@@ -1068,6 +1068,7 @@ int tipc_link_xmit(struct tipc_link *l, struct sk_buff_head *list,
     if (unlikely(l->backlog[imp].len >= l->backlog[imp].limit)) {
         if (imp == TIPC_SYSTEM_IMPORTANCE) {
             pr_warn("%s<%s>, link overflow", link_rst_msg, l->name);
+            __skb_queue_purge(list);
             return -ENOBUFFS;
         }
     }
     rc = link_schedule_user(l, hdr);
```