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commit [2ea600b598dd3e061854dd4dd5b4c815397dfcea](#) ([patch](#))
tree [b16c116e1176573c0c2ca1866bc5ed70be876c7d](#)
parent [1f9f346fbb78088bab582c0c9e6d509ae3220fb5](#) ([diff](#))
download [linux-2ea600b598dd3e061854dd4dd5b4c815397dfcea.tar.gz](#)

diff options

context: [3](#) ▾
space: [include](#) ▾
mode: [unified](#) ▾

sctp: clear out_curr if all frag chunks of current msg are pruned[Upstream commit [2f201ae14ae0f91dbf1cffea7bb1e29e81d4d108](#)]

A crash was reported by Zhen Chen:

```
list_del corruption, fffffa035ddf01c18->next is NULL
WARNING: CPU: 1 PID: 250682 at lib/list_debug.c:49 __list_del_entry_valid+0x59/0xe0
RIP: 0010:__list_del_entry_valid+0x59/0xe0
Call Trace:
sctp_sched_dequeue_common+0x17/0x70 [sctp]
sctp_sched_fcfs_dequeue+0x37/0x50 [sctp]
sctp_outq_flush_data+0x85/0x360 [sctp]
sctp_outq_uncork+0x77/0xa0 [sctp]
sctp_cmd_interpreter.constprop.0+0x164/0x1450 [sctp]
sctp_side_effects+0x37/0xe0 [sctp]
sctp_do_sm+0xd0/0x230 [sctp]
sctp_primitive_SEND+0x2f/0x40 [sctp]
sctp_sendmsg_to_asoc+0x3fa/0x5c0 [sctp]
sctp_sendmsg+0x3d5/0x440 [sctp]
sock_sendmsg+0x5b/0x70
```

and in sctp_sched_fcfs_dequeue() it dequeued a chunk from stream out_curr outq while this outq was empty.

Normally stream->out_curr must be set to NULL once all frag chunks of current msg are dequeued, as we can see in sctp_sched_dequeue_done(). However, in sctp_prsctp_prune_unsent() as it is not a proper dequeue, sctp_sched_dequeue_done() is not called to do this.

This patch is to fix it by simply setting out_curr to NULL when the last frag chunk of current msg is dequeued from out_curr stream in sctp_prsctp_prune_unsent().

Fixes: 5bbbbe32a431 ("sctp: introduce stream scheduler foundations")

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Diffstat

-rw-r--r-- net/sctp/outqueue.c 5

1 files changed, 5 insertions, 0 deletions

```
diff --git a/net/sctp/outqueue.c b/net/sctp/outqueue.c
index 6fcc4ff97f9453..dc29ac0f8d3f80 100644
--- a/net/sctp/outqueue.c
+++ b/net/sctp/outqueue.c
@@ -403,6 +403,11 @@ static int sctp_prsctp_prune_unsent(struct sctp_association *asoc,
        sout = SCTP_S0(&asoc->stream, chk->sinfo.sinfo_stream);
        sout->ext->abandoned_unsent[SCTP_PR_INDEX(PRI0)]++;

+
+       /* clear out_curr if all frag chunks are pruned */
+       if (asoc->stream.out_curr == sout &&
+           list_is_last(&chk->frag_list, &chk->msg->chunks))
+           asoc->stream.out_curr = NULL;
+
msg_len -= chk->skb->truesize + sizeof(struct sctp_chunk);
sctp_chunk_free(chk);
if (msg_len <= 0)
```

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