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Subject: [PATCH] Consolidate sctp\_ulpq\_renege\_xxx functions  
Posted by Pavel Emelianov on Tue, 23 Oct 2007 15:17:22 GMT

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Both are equal, except for the list to be traversed.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

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```
diff --git a/net/sctp/ulpqueue.c b/net/sctp/ulpqueue.c
index b937095..4be92d0 100644
--- a/net/sctp/ulpqueue.c
+++ b/net/sctp/ulpqueue.c
@@ -908,8 +908,8 @@ void sctp_ulpq_skip(struct sctp_ulpq *ulpq, __u16 sid, __u16 ssn)
    return;
}

/* Reneges 'needed' bytes from the ordering queue. */
-static __u16 sctp_ulpq_renege_order(struct sctp_ulpq *ulpq, __u16 needed)
+static __u16 sctp_ulpq_renege_list(struct sctp_ulpq *ulpq,
+    struct sk_buff_head *list, __u16 needed)
{
    __u16 freed = 0;
    __u32 tsn;
@@ -919,7 +919,7 @@ static __u16 sctp_ulpq_renege_order(struct sctp_ulpq *ulpq, __u16
needed)
tsnmap = &ulpq->asoc->peer.tsn_map;

- while ((skb = __skb_dequeue_tail(&ulpq->lobby)) != NULL) {
+ while ((skb = __skb_dequeue_tail(list)) != NULL) {
    freed += skb_headlen(skb);
    event = sctp_skb2event(skb);
    tsn = event->tsn;
@@ -933,30 +933,16 @@ static __u16 sctp_ulpq_renege_order(struct sctp_ulpq *ulpq, __u16
needed)
    return freed;
}

/* Reneges 'needed' bytes from the ordering queue. */
+static __u16 sctp_ulpq_renege_order(struct sctp_ulpq *ulpq, __u16 needed)
+{
+    return sctp_ulpq_renege_list(ulpq, &ulpq->lobby, needed);
+}
+
/* Reneges 'needed' bytes from the reassembly queue. */
static __u16 sctp_ulpq_renege_frags(struct sctp_ulpq *ulpq, __u16 needed)
```

```
{  
- __u16 freed = 0;  
- __u32 tsn;  
- struct sk_buff *skb;  
- struct sctp_ulpevent *event;  
- struct sctp_tsnmap *tsnmap;  
-  
- tsnmap = &ulpq->asoc->peer.tsn_map;  
-  
- /* Walk backwards through the list, reneges the newest tsns. */  
- while ((skb = __skb_dequeue_tail(&ulpq->reasm)) != NULL) {  
- freed += skb_headlen(skb);  
- event = sctp_skb2event(skb);  
- tsn = event->tsn;  
-  
- sctp_ulpevent_free(event);  
- sctp_tsnmap_renege(tsnmap, tsn);  
- if (freed >= needed)  
- return freed;  
- }  
-  
- return freed;  
+ return sctp_ulpq_renege_list(ulpq, &ulpq->reasm, needed);  
}  
/* Partial deliver the first message as there is pressure on rwnd. */
```

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