Subject: [PATCH 2/2][IPV6] Consolidate the ip cork destruction in ip6_output.c
Posted by Pavel Emelianov on Fri, 02 Nov 2007 16:05:38 GMT
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The ip6_push_pending_frames and ip6_flush_pending_frames do the
same things to flush the sock's cork. Move this into a separate
function and save ~100 bytes from the .text

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```
diff --git a/net/ipv6/ip6_output.c b/net/ipv6/ip6_output.c
index 653fc0a..f4e9e73 100644
--- a/net/ipv6/ip6_output.c
+++ b/net/ipv6/ip6_output.c
@@ -1339,6 +1339,19 @@ error:
  return err;
 }

+static void ip6_cork_release(struct inet_sock *inet, struct ipv6_pinfo *np)
+{
+ inet->cork.flags &= ~IPCORK_OPT;
+ kfree(np->cork.opt);
+ np->cork.opt = NULL;
+ if (np->cork.rt) {
+  dst_release(&np->cork.rt->u.dst);
+  np->cork.rt = NULL;
+  inet->cork.flags &= ~IPCORK_ALLFRAG;
+ }
+ memset(&inet->cork.fl, 0, sizeof(inet->cork.fl));
+}
+
 int ip6_push_pending_frames(struct sock *sk)
 {
  struct sk_buff *skb, *tmp_skb;
@@ -1415,15 +1428,7 @@ int ip6_push_pending_frames(struct sock *sk)
  }

 out:
- inet->cork.flags &= ~IPCORK_OPT;
- kfree(np->cork.opt);
- np->cork.opt = NULL;
- if (np->cork.rt) {
-  dst_release(&np->cork.rt->u.dst);
-  np->cork.rt = NULL;
-  inet->cork.flags &= ~IPCORK_ALLFRAG;
- }
```

```
- memset(&inet->cork.fl, 0, sizeof(inet->cork.fl));
+ ip6_cork_release(inet, np);
  return err;
 error:
  goto out;
@@ -1431,8 +1436,6 @@ error:

 void ip6_flush_pending_frames(struct sock *sk)
 {
- struct inet_sock *inet = inet_sk(sk);
- struct ipv6_pinfo *np = inet6_sk(sk);
  struct sk_buff *skb;

  while ((skb = __skb_dequeue_tail(&sk->sk_write_queue)) != NULL) {
@@ -1442,14 +1445,5 @@ void ip6_flush_pending_frames(struct sock *sk)
   kfree_skb(skb);
  }

- inet->cork.flags &= ~IPCORK_OPT;
-
- kfree(np->cork.opt);
- np->cork.opt = NULL;
- if (np->cork.rt) {
-  dst_release(&np->cork.rt->u.dst);
-  np->cork.rt = NULL;
-  inet->cork.flags &= ~IPCORK_ALLFRAG;
- }
- memset(&inet->cork.fl, 0, sizeof(inet->cork.fl));
+ ip6_cork_release(inet_sk(sk), inet6_sk(sk));
 }
--
1.5.3.4
```