
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

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

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

```

Subject: Re: [PATCH 2/2][IPV6] Consolidate the ip cork destruction in ip6_output.c
 Posted by [davem](#) on Tue, 06 Nov 2007 05:04:44 GMT
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From: Pavel Emelyanov <xemul@openvz.org>
 Date: Fri, 02 Nov 2007 19:05:38 +0300

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

Applied.
