
Subject: [PATCH 1/2][IPV4] Consolidate the ip cork destruction in ip_output.c

Posted by [Pavel Emelianov](#) on Fri, 02 Nov 2007 16:04:06 GMT

[View Forum Message](#) <> [Reply to Message](#)

The ip_push_pending_frames and ip_flush_pending_frames do the same things to flush the sock's cork. Move this into a separate function and save ~80 bytes from the .text

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

```
diff --git a/net/ipv4/ip_output.c b/net/ipv4/ip_output.c
index e5f7dc2..fd99fdb 100644
--- a/net/ipv4/ip_output.c
+++ b/net/ipv4/ip_output.c
@@ -1183,6 +1183,17 @@ error:
    return err;
}

+static void ip_cork_release(struct inet_sock *inet)
+{
+    inet->cork.flags &= ~IPCORK_OPT;
+    kfree(inet->cork.opt);
+    inet->cork.opt = NULL;
+    if (inet->cork.rt) {
+        ip_rt_put(inet->cork.rt);
+        inet->cork.rt = NULL;
+    }
+}
+
/*
 * Combined all pending IP fragments on the socket as one IP datagram
 * and push them out.
@@ -1276,13 +1287,7 @@ int ip_push_pending_frames(struct sock *sk)
}

out:
- inet->cork.flags &= ~IPCORK_OPT;
- kfree(inet->cork.opt);
- inet->cork.opt = NULL;
- if (inet->cork.rt) {
-     ip_rt_put(inet->cork.rt);
-     inet->cork.rt = NULL;
- }
+ ip_cork_release(inet);
    return err;
```

```
error:  
@@ -1295,19 +1300,12 @@ error:  
 */  
void ip_flush_pending_frames(struct sock *sk)  
{  
- struct inet_sock *inet = inet_sk(sk);  
 struct sk_buff *skb;  
  
 while ((skb = __skb_dequeue_tail(&sk->sk_write_queue)) != NULL)  
 kfree_skb(skb);  
  
- inet->cork.flags &= ~IPCORK_OPT;  
- kfree(inet->cork.opt);  
- inet->cork.opt = NULL;  
- if (inet->cork.rt) {  
- ip_rt_put(inet->cork.rt);  
- inet->cork.rt = NULL;  
- }  
+ ip_cork_release(inet_sk(sk));  
}
```

Subject: Re: [PATCH 1/2][IPV4] Consolidate the ip cork destruction in ip_output.c
Posted by [davem](#) on Tue, 06 Nov 2007 05:03:36 GMT

[View Forum Message](#) <> [Reply to Message](#)

From: Pavel Emelyanov <xemul@openvz.org>

Date: Fri, 02 Nov 2007 19:04:06 +0300

> The ip_push_pending_frames and ip_flush_pending_frames do the
> same things to flush the sock's cork. Move this into a separate
> function and save ~80 bytes from the .text
>
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Applied.
