
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

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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..fd99fbd 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
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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.
