
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

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```
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));
```

```
}
```
