
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.
