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Subject: [PATCH] [IGMP]: Optimize kfree\_skb in igmp\_rcv.

Posted by [den](#) on Fri, 08 Feb 2008 14:14:06 GMT

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Merge error paths inside igmp\_rcv.

Signed-off-by: Denis V. Lunev <[den@openvz.org](mailto:den@openvz.org)>

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net/ipv4/igmp.c | 13 ++++++-----  
1 files changed, 6 insertions(+), 7 deletions(-)

```
diff --git a/net/ipv4/igmp.c b/net/ipv4/igmp.c
index fe2e6cd..d3f34a7 100644
--- a/net/ipv4/igmp.c
+++ b/net/ipv4/igmp.c
@@ -922,13 +922,11 @@ int igmp_rcv(struct sk_buff *skb)
        struct in_device *in_dev = in_dev_get(skb->dev);
        int len = skb->len;

- if (in_dev==NULL) {
-     kfree_skb(skb);
-     return 0;
- }
+ if (in_dev == NULL)
+     goto drop;

    if (!pskb_may_pull(skb, sizeof(struct igmphdr)))
-     goto drop;
+     goto drop_ref;

switch (skb->ip_summed) {
    case CHECKSUM_COMPLETE:
@@ -938,7 +936,7 @@ int igmp_rcv(struct sk_buff *skb)
    case CHECKSUM_NONE:
        skb->csum = 0;
        if (__skb_checksum_complete(skb))
-         goto drop;
+         goto drop_ref;
    }

    ih = igmp_hdr(skb);
@@ -972,8 +970,9 @@ int igmp_rcv(struct sk_buff *skb)
        break;
}

-drop:
+drop_ref:
    in_dev_put(in_dev);
```

```
+drop:  
    kfree_skb(skb);  
    return 0;  
}  
--  
1.5.3.rc5
```

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