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Subject: [PATCH v2] usbnet: fix oops in usbnet\_start\_xmit  
Posted by [Konstantin Khlebnikov](#) on Mon, 07 Nov 2011 14:55:55 GMT  
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This patch fixes the bug added in commit v3.1-rc7-1055-gf9b491e  
SKB can be NULL at this point, at least for cdc-ncm.

Signed-off-by: Konstantin Khlebnikov <khlebnikov@openvz.org>

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drivers/net/usb/usbnet.c | 3 ++-  
1 files changed, 2 insertions(+), 1 deletions(-)

```
diff --git a/drivers/net/usb/usbnet.c b/drivers/net/usb/usbnet.c
index 7d60821..fae0fbd 100644
--- a/drivers/net/usb/usbnet.c
+++ b/drivers/net/usb/usbnet.c
@@ -1057,7 +1057,8 @@ netdev_tx_t usbnet_start_xmit (struct sk_buff *skb,
    unsigned long flags;
    int retval;

- skb_tx_timestamp(skb);
+ if (skb)
+   skb_tx_timestamp(skb);

    // some devices want funky USB-level framing, for
    // win32 driver (usually) and/or hardware quirks
```

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Subject: Re: [PATCH v2] usbnet: fix oops in usbnet\_start\_xmit  
Posted by [davem](#) on Mon, 07 Nov 2011 18:26:55 GMT  
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From: Richard Cochran <richardcochran@gmail.com>  
Date: Mon, 7 Nov 2011 18:39:19 +0100

> On Mon, Nov 07, 2011 at 06:54:58PM +0300, Konstantin Khlebnikov wrote:  
>> This patch fixes the bug added in commit v3.1-rc7-1055-gf9b491e  
>> SKB can be NULL at this point, at least for cdc-ncm.  
>>  
>> Signed-off-by: Konstantin Khlebnikov <khlebnikov@openvz.org>  
>  
> Acked-by: Richard Cochran <richardcochran@gmail.com>

Applied, but the overall logic in the usbnet transmit path definitely  
could use a good reconsideration and cleanup.

I'm even open to having generic support at the generic net device TX  
level to fixup the segmentation layout of the SKB so that it meets

the device's requirements. We can do it more efficiently there too.

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