# [PATCH] usb: gadget: add error handling for skb_realloc_headroom
5 messages

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**Zhouyang Jia** <jiazhouyang09@gmail.com>                                                        Tue, Jun 12, 2018 at 12:41 AM
Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Felipe Balbi <balbi@kernel.org>, Greg Kroah-Hartman <gregkh@linuxfoundation.org>, Bhumika Goyal <bhumirks@gmail.com>, Johan Hovold <johan@kernel.org>, Andrew Gabbasov <andrew_gabbasov@mentor.com>, David Lechner <david@lechnology.com>, linux-usb@vger.kernel.org, linux-kernel@vger.kernel.org

When skb_realloc_headroom fails, the lack of error-handling code may
cause unexpected results.

This patch adds error-handling code after calling skb_realloc_headroom.

Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>
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 drivers/usb/gadget/function/f_rndis.c | 3 +++
 1 file changed, 3 insertions(+)

diff --git a/drivers/usb/gadget/function/f_rndis.c b/drivers/usb/gadget/function/f_rndis.c
index d48df36..17c164b 100644
--- a/drivers/usb/gadget/function/f_rndis.c
+++ b/drivers/usb/gadget/function/f_rndis.c
@@ -374,6 +374,9 @@ static struct sk_buff *rndis_add_header(struct gether *port,
            return NULL;

       skb2 = skb_realloc_headroom(skb, sizeof(struct rndis_packet_msg_type));
+      if (!skb2)
+           return NULL;
+
       rndis_add_hdr(skb2);

       dev_kfree_skb(skb);
--
2.7.4

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**Felipe Balbi** <balbi@kernel.org>                                                               Tue, Jun 19, 2018 at 5:47 AM
To: linux-usb-owner@vger.kernel.org
Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Greg Kroah-Hartman <gregkh@linuxfoundation.org>, Bhumika Goyal <bhumirks@gmail.com>, Johan Hovold <johan@kernel.org>, Andrew Gabbasov <andrew_gabbasov@mentor.com>, David Lechner <david@lechnology.com>, linux-usb@vger.kernel.org, linux-kernel@vger.kernel.org

Hi,

linux-usb-owner@vger.kernel.org writes:
> When skb_realloc_headroom fails, the lack of error-handling code may
> cause unexpected results.
>
> This patch adds error-handling code after calling skb_realloc_headroom.
>
> Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>

From linux-usb-owner??? I can't apply this patch.

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balbi

📄 **signature.asc**
1K

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**Zhouyang Jia** <jiazhouyang09@gmail.com>                                                        Tue, Jun 19, 2018 at 8:17 AM
To: Felipe Balbi <balbi@kernel.org>
Cc: linux-usb-owner@vger.kernel.org, Greg Kroah-Hartman <gregkh@linuxfoundation.org>, Bhumika Goyal <bhumirks@gmail.com>, Johan Hovold <johan@kernel.org>, Andrew Gabbasov <andrew_gabbasov@mentor.com>, David Lechner <david@lechnology.com>, linux-usb@vger.kernel.org, Linux Kernel Mailing List <linux-kernel@vger.kernel.org>

Hi,

I have no idea why this happened.
Maybe I need to resend the patch.

Best,
Zhouyang
[Quoted text hidden]

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**Zhouyang Jia** <jiazhouyang09@gmail.com>                                                        Tue, Jun 19, 2018 at 8:23 AM
Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Felipe Balbi <balbi@kernel.org>, Greg Kroah-Hartman <gregkh@linuxfoundation.org>, Vincent Pelletier <plr.vincent@gmail.com>, Johan Hovold <johan@kernel.org>, David Lechner <david@lechnology.com>, Bhumika Goyal <bhumirks@gmail.com>, Andrew Gabbasov <andrew_gabbasov@mentor.com>, linux-usb@vger.kernel.org, linux-kernel@vger.kernel.org

[Quoted text hidden]

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**Felipe Balbi** <balbi@kernel.org>                                                               Fri, Jun 29, 2018 at 2:36 AM
To: linux-usb-owner@vger.kernel.org
Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Greg Kroah-Hartman <gregkh@linuxfoundation.org>, Vincent Pelletier <plr.vincent@gmail.com>, Johan Hovold <johan@kernel.org>, David Lechner <david@lechnology.com>, Bhumika Goyal <bhumirks@gmail.com>, Andrew Gabbasov <andrew_gabbasov@mentor.com>, linux-usb@vger.kernel.org, linux-kernel@vger.kernel.org

Hi,

linux-usb-owner@vger.kernel.org writes:
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> cause unexpected results.
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> This patch adds error-handling code after calling skb_realloc_headroom.
>
> Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>

from linux-usb-owner@vger.kernel.org??

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balbi