



index : kernel/git/stable/linux.git

master



switch

Linux kernel stable tree

Stable Group

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search

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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2022-11-26 09:27:54 +0100
commit [2b055c719d8f94c15ec9b7659978133030c6a353](#) (patch)
tree [c7bae167a4aa5fe55c1a69333d210f65390b87b](#)
parent [a32cd7feb0127bf629a82686b6e2c128139a86e5](#) (diff)
download [linux-2b055c719d8f94c15ec9b7659978133030c6a353.tar.gz](#)

diff options

context:

3



space:

include



mode:

unified



macvlan: enforce a consistent minimal mtu

commit b64085b00044bdf3cd1c9825e9ef5b2e0feae91a upstream.

macvlan should enforce a minimal mtu of 68, even at link creation.

This patch avoids the current behavior (which could lead to crashes in ipv6 stack if the link is brought up)

```
$ ip link add macvlan1 link eno1 mtu 8 type macvlan # This should fail !
$ ip link sh dev macvlan1
5: macvlan1@eno1: <BROADCAST,MULTICAST> mtu 8 qdisc noop
    state DOWN mode DEFAULT group default qlen 1000
    link/ether 02:47:6c:24:74:82 brd ff:ff:ff:ff:ff:ff
$ ip link set macvlan1 mtu 67
Error: mtu less than device minimum.
$ ip link set macvlan1 mtu 68
$ ip link set macvlan1 mtu 8
Error: mtu less than device minimum.
```

Fixes: 91572088e3fd ("net: use core MTU range checking in core net infra")
Reported-by: syzbot <syzkaller@googlegroups.com>
Signed-off-by: Eric Dumazet <edumazet@google.com>
Signed-off-by: David S. Miller <davem@davemloft.net>
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Diffstat

-rw-r--r-- [drivers/net/macvlan.c](#) 2

1 files changed, 1 insertions, 1 deletions

```
diff --git a/drivers/net/macvlan.c b/drivers/net/macvlan.c
index 059e4ff0e510de..0a0c4d0ffc1981 100644
--- a/drivers/net/macvlan.c
+++ b/drivers/net/macvlan.c
@@ -1192,7 +1192,7 @@ void macvlan_common_setup(struct net_device *dev)
 {
     ether_setup(dev);

-    dev->min_mtu = 0;
+    /* ether_setup() has set dev->min_mtu to ETH_MIN_MTU. */
+    dev->max_mtu = ETH_MAX_MTU;
     dev->priv_flags    &= ~IFF_TX_SKB_SHARING;
     netif_keep_dst(dev);
 }
```