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commit [d2fee7d121d189c6dc905b727d60e7043a6655bb](#) (patch)
tree [cc9c3aa34334d183df0e4d5fd5a182c398431dec](#)
parent [fe517db0746c1baa54dfd844ee84c43d63ea89c3](#) (diff)
download [linux-d2fee7d121d189c6dc905b727d60e7043a6655bb.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>
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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 0eea4a395bcf83..39179dc974d6c7 100644
--- a/drivers/net/macvlan.c
+++ b/drivers/net/macvlan.c
@@ -1139,7 +1139,7 @@ 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);
 }
```