

# Fix Intel Ethernet NIC Hang

## Problem

If ethernet hangs and you get this journal log:

```
Mar 29 05:14:04 pve-01 kernel: e1000e 0000:00:1f.6 enp0s31f6: Detected Hardware Unit Hang:
      TDH                <3>
      TDT                <75>
      next_to_use        <75>
      next_to_clean     <2>
      buffer_info[next_to_clean]:
        time_stamp      <1525c7e78>
        next_to_watch   <3>
        jiffies         <15287e140>
        next_to_watch.status <0>
      MAC Status        <40080083>
      PHY Status        <796d>
      PHY 1000BASE-T Status <3800>
      PHY Extended Status <3000>
      PCI Status        <10>
```

Symptoms: unable to connect to internet, node becomes remotely inaccessible

## Solution

Edit `/etc/network/interfaces` with the following:

```
iface vmbr0 inet static
    ...
    post-up ethtool -K <ethernet device> gso off gro off tso off tx off rx off
    ...

source /etc/network/interfaces.d/*
```

Make sure the ethtool package is installed on the system

**Sources:**

<https://forum.proxmox.com/threads/intel-nic-e1000e-hardware-unit-hang.106001/>

[https://www.reddit.com/r/Proxmox/comments/1drs89s/intel\\_nic\\_e1000e\\_hardware\\_unit\\_hang/](https://www.reddit.com/r/Proxmox/comments/1drs89s/intel_nic_e1000e_hardware_unit_hang/)

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