

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/

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