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10Gbps NIC

- Red Hat Enterprise Linux

• 10 가 (10GbE)

- 10 가

• MTU가 9000 10Gbit NIC

iperf ?
6-7 가 /s

- 10Gbps

?

10 가

iperf

Ceph 가 Ceph OSD
' 가

irqbalance 가

NIC 가

- System dropping packets due to rx_fw_discards

- How do I run a script or program immediately after my network interface goes up?

16MiB 가 .
/etc/sysctl.conf sysctl -p

```
# set min/default/max TCP read buffer  
net.ipv4.tcp_rmem = 4096 87380 16777216  
# set min/default/max TCP write buffer  
net.ipv4.tcp_wmem = 4096 16384 16777216  
  
# set maximum non-TCP receive socket buffer size  
net.core.rmem_max = 16777216  
# set maximum non-TCP write socket buffer size  
net.core.wmem_max = 16777216
```

Network Budget

```
/proc/net/softnet_stat          가      ,   :  
  
# cat /proc/net/softnet_stat  
0073d76b 00000000 000049ae 00000000 00000000 00000000 00000000 00000000  
00000000 00000000  
  
          가  
  
      300      가      300      .      .      .      .  
  
,
```

`vm.min_free_kbytes` 1GiB
RAM 20 % . 가

/etc/sysctl.conf sysctl -p

```
vm.min_free_kbytes = 1048576
```

- <https://access.redhat.com/solutions/127143>
- <https://access.redhat.com/articles/1391433>

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