





```

*      *

#          (max 65535) # 128M → 8192 # 256M → 13684 #
512M → 32768 # 1G → 65536 # 2G → 131072 fs.file-max = 65535

#      가          received host          backlog
net.core.netdev_max_backlog=2500

#

#      Serving
      . net.core.rmem_default = 65536 net.core.rmem_max = 8388608

#      . #          Serving
      . #

net.core.wmem_default = 65536 net.core.wmem_max = 8388608

# TCP layer          #
      . net.ipv4.tcp_rmem = 4096 87380 8388608

# TCP layer
net.ipv4.tcp_wmem = 4096 65536 8388608

# The tcp_mem variable defines how the TCP stack should behave when it comes to memory usage.
# TCP          . #          min pressure
max      . tcp_wmem    tcp_rmem          . # IA32    4KB가
      . #          가          . #
{min} {pressure} {max} net.ipv4.tcp_mem = 4096 4096 4096

#          7          "TCP: too many of orphaned sockets"          . #
"Out of socket memory"          가          . net.ipv4.tcp_orphan_retries = 7

#          RST          TIME_WAIT          가          . #
          가          #

net.ipv4.tcp_max_tw_buckets
      . net.ipv4.tcp_rfc1337 = 1

# SPECWeb99          selective
acknowledgements off          . SPECWeb99          1-2hop
          가          on

#          on          . net.ipv4.tcp_sack = 1

# SPECWeb99          timestamps          off
      . # SPECWeb99          1-2hop          가
      #          on          . tcp_window_scaling          #
          on          net.ipv4.tcp_timestamps = 1

# tcp_sack    tcp_timestamps          . #    , rmem, wmem    tcp_rmem,
tcp_wmem          # tcp_timestamps          on
      . net.ipv4.tcp_window_scaling = 1

```

```

# KEEPALIVE stale
net.ipv4.tcp_keepalive_time = 1300

# listen backlog
net.ipv4.tcp_max_syn_backlog = 8192

# FIN_TIMEOUT . net.ipv4.tcp_fin_timeout
= 30

# 가 . net.ipv4.ip_local_port_range = 16384
65536

# DOS SYN flooding On . # , #
tcp_net.ipv4.tcp_syncookies = 1

# off IP . net.ipv4.ip_forward = 0

# high load # TIME_WAIT 가
60 가
net.ipv4.tcp_max_tw_buckets = 2000000

# Linux 2.4 . # ssthread
# 10
. net.ipv4.route.flush = 1

# 가 . # 가
vm.bdflush = 100 1200 128 512 15 5000 500 1884 2

# , ICMP ECHO . smurf #
net.ipv4.icmp_echo_ignore_broadcasts = 1

# SRR . IP source routing . #
. TRUE (router) FALSE (host) # net.ipv4.conf.all.accept_source_route = 0

#net.ipv4.conf.all.send_redirects=0 #net.ipv4.conf.all.accept_redirects=0 # DOS IP
Spoofing Source Route . #
가 . # on . # RFC182
IP spoof ( 2.2 ) # net.ipv4.conf.eth0.rp_filter = 1
net.ipv4.conf.lo.rp_filter = 1 net.ipv4.conf.default.rp_filter = 1 net.ipv4.conf.all.rp_filter = 1

# Log Spoofed Packets, source Routed Packets, Redirect packetes # ip
# net.ipv4.conf.all.log_martians = 1

# kernel.shmmax=3800000000

# # : { SEM } { SEM } { SEMOP OP
} { } # : { SEM } = { } x { SEM } (DB2
) kernel.sem=1000 32000 32 512

# kernel.msgmni = 1024

```

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