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Subject: TCP: time wait bucket table overflow  
Posted by [sspt](#) on Wed, 26 Dec 2007 00:14:01 GMT  
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I'm experiencing some network issues since i've moved from 2.6.18-8.1.8.el5.028stab039.1.

Quote:

```
Dec 25 14:17:05 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:10 hid01 kernel: printk: 5 messages suppressed.
Dec 25 14:17:10 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:15 hid01 kernel: printk: 4 messages suppressed.
Dec 25 14:17:15 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:20 hid01 kernel: printk: 9 messages suppressed.
Dec 25 14:17:20 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:26 hid01 kernel: printk: 2 messages suppressed.
Dec 25 14:17:26 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:32 hid01 kernel: printk: 11 messages suppressed.
Dec 25 14:17:32 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:36 hid01 kernel: printk: 1 messages suppressed.
Dec 25 14:17:36 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:44 hid01 kernel: printk: 4 messages suppressed.
Dec 25 14:17:44 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:46 hid01 kernel: printk: 3 messages suppressed.
Dec 25 14:17:46 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:50 hid01 kernel: printk: 5 messages suppressed.
Dec 25 14:17:50 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:17:55 hid01 kernel: printk: 1 messages suppressed.
Dec 25 14:17:55 hid01 kernel: TCP: time wait bucket table overflow
Dec 25 14:19:09 hid01 kernel: printk: 4 messages suppressed.
Dec 25 14:19:09 hid01 kernel: TCP: time wait bucket table overflow
```

Quote:

```
[root@hid01 ~]# sysctl -a | grep tw
net.ipv4.tcp_max_tw_buckets_ub = 165360
net.ipv4.tcp_max_tw_kmem_fraction = 384
net.ipv4.tcp_tw_reuse = 0
net.ipv4.tcp_tw_recycle = 0
net.ipv4.tcp_max_tw_buckets = 1800000
```

Quote:

```
[root@hid01 ~]# cat /proc/meminfo
MemTotal:    8075376 kB
MemFree:     32856 kB
Buffers:     267632 kB
Cached:      5551208 kB
```

SwapCached: 0 kB  
Active: 3600512 kB  
Inactive: 3416264 kB  
HighTotal: 0 kB  
HighFree: 0 kB  
LowTotal: 8075376 kB  
LowFree: 32856 kB  
SwapTotal: 0 kB  
SwapFree: 0 kB  
Dirty: 4804 kB  
Writeback: 0 kB  
AnonPages: 1187560 kB  
Mapped: 189116 kB  
Slab: 912860 kB  
PageTables: 56928 kB  
NFS\_Unstable: 0 kB  
Bounce: 0 kB  
CommitLimit: 4037688 kB  
Committed\_AS: 5340628 kB  
VmallocTotal: 34359738364 kB  
VmallocUsed: 16876 kB  
VmallocChunk: 34359710628 kB  
HugePages\_Total: 0  
HugePages\_Free: 0  
HugePages\_Rsvd: 0  
Hugepagesize: 2048 kB

Quote:

Linux hid01 2.6.18-53.el5.028stab051.1 #1 SMP Fri Nov 30 02:52:22 MSK 2007 x86\_64 x86\_64  
x86\_64 GNU/Linux

The node speeds (VE0) don't seem to be affected as I can move data to another box at more than 100Mbps, although speeds from each VE to the other box are like 100kbps.

Any ideas?

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