
Subject: kernel: dst cache overflow
Posted by [Rommer](#) on Fri, 03 Feb 2006 10:01:08 GMT
[View Forum Message](#) <> [Reply to Message](#)

/var/log/messages:

```
Feb  3 02:01:23 xxx kernel: dst cache overflow
Feb  3 02:01:28 xxx kernel: printk: 157 messages suppressed.
Feb  3 02:01:28 xxx kernel: dst cache overflow
Feb  3 02:01:33 xxx kernel: printk: 146 messages suppressed.
Feb  3 02:01:33 xxx kernel: dst cache overflow
Feb  3 02:01:38 xxx kernel: printk: 133 messages suppressed.
...
```

<http://linux.derkeiler.com/Mailing-Lists/Fedora/2005-07/1175.html>

<http://lists.linuxcoding.com/rhl/2005/msg19362.html>

Subject: Re: kernel: dst cache overflow
Posted by [dev](#) on Fri, 03 Feb 2006 13:25:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Subject: Re: kernel: dst cache overflow
Posted by [Rommer](#) on Fri, 03 Feb 2006 13:50:38 GMT
[View Forum Message](#) <> [Reply to Message](#)

Subject: Re: kernel: dst cache overflow
Posted by [dev](#) on Fri, 03 Feb 2006 13:55:34 GMT
[View Forum Message](#) <> [Reply to Message](#)

```
net.ipv4.neigh.default.gc_thresh2 = 2048
net.ipv4.neigh.default.gc_thresh3 = 4096
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
```

Subject: Re: kernel: dst cache overflow
Posted by [Rommer](#) on Fri, 03 Feb 2006 14:23:29 GMT
[View Forum Message](#) <> [Reply to Message](#)

```
# cat /proc/sys/net/ipv4/neigh/default/gc_thresh2
512
# cat /proc/sys/net/ipv4/neigh/default/gc_thresh3
1024
# cat /proc/sys/net/ipv4/conf/default/send_redirects
1
# cat /proc/sys/net/ipv4/conf/all/send_redirects
0
```

Subject: Re: kernel: dst cache overflow
Posted by [dev](#) on Fri, 03 Feb 2006 15:10:43 GMT
[View Forum Message](#) <> [Reply to Message](#)

```
can you also please dump
cat /proc/sys/net/ipv4/route/max_size
cat /proc/sys/net/ipv4/route/gc_min_interval
?
```

Subject: Re: kernel: dst cache overflow

Posted by [Rommer](#) on Fri, 03 Feb 2006 15:16:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

```
# cat /proc/sys/net/ipv4/route/max_size
262144
# cat /proc/sys/net/ipv4/route/gc_min_interval
0
```

Subject: Re: kernel: dst cache overflow

Posted by [dev](#) on Fri, 03 Feb 2006 15:19:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

how much RAM do you have?

your max_size parameter looks not big... My test machine has it 10 times bigger value. I would recommend you to increase it x5 times.

Subject: Re: kernel: dst cache overflow

Posted by [Rommer](#) on Fri, 03 Feb 2006 15:49:35 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hm, strange

This server has 2Gb RAM

```
# cat /proc/meminfo
```

```
MemTotal:    2071116 kB
```

```
MemFree:      9808 kB
```

```
Buffers:     58504 kB
```

```
Cached:      899548 kB
```

```
SwapCached:   2244 kB
```

```
Active:      1657708 kB
```

```
Inactive:    237588 kB
```

```
HighTotal:   1244032 kB
```

```
HighFree:    1472 kB
```

```
LowTotal:    827084 kB
```

```
LowFree:     8336 kB
```

```
SwapTotal:   4016168 kB
```

```
SwapFree:    4012384 kB
```

```
Dirty:       5216 kB
```

```
Writeback:    0 kB
```

```
Mapped:      1046596 kB
```

```
Slab:         139204 kB
```

```
Committed_AS: 3024632 kB
```

```
PageTables:   9484 kB
```

```
VmallocTotal: 172024 kB
```

```
VmallocUsed:  7972 kB
```

VmallocChunk: 163972 kB

Another server with 2Gb RAM and vanilla 2.6.12.1 kernel has the same values:

```
# uname -srvmpio
```

```
Linux 2.6.12.1 #1 SMP Wed Jun 29 13:26:13 EEST 2005 i686 i686 i386 GNU/Linux
```

```
# cat /proc/sys/net/ipv4/neigh/default/gc_thresh2
```

```
512
```

```
# cat /proc/sys/net/ipv4/neigh/default/gc_thresh3
```

```
1024
```

```
# cat /proc/sys/net/ipv4/route/max_size
```

```
262144
```

I'll try to increase it in 5 times
