
Subject: tc RTNETLINK answers: Invalid argument / We have an error talking to the kernel

Posted by [piplite](#) on Sat, 23 Nov 2013 03:48:39 GMT

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Hello.

Can anyone please recommend a solution for the problem with tc rule setup. Im not sure if its ovz kernel related by decided to ask it here anyway.

Here is what i got for error messages:

```
root@a-5 ~ # /bin/sh -c tc\ filter\ add\ dev\ vlan496\ parent\ 1:\ prio\ 142\ protocol\ ip\ u32\ match\ ip\ src\ 93.171.21.3\ flowid\ 1:142
```

```
RTNETLINK answers: Invalid argument
```

```
We have an error talking to the kernel
```

ipv6 on the other hand works perfectly fine

```
root@ ~ # /bin/sh -c tc\ filter\ add\ dev\ vlan496\ parent\ 1:\ prio\ 101\ protocol\ ipv6\ u32\ match\ ip6\ src\ 2a02:128:4:5::10\ flowid\ 1:101
```

```
root@ ~ # /bin/sh -c tc\ filter\ del\ dev\ vlan496\ parent\ 1:\ prio\ 101\ protocol\ ipv6\ u32\ match\ ip6\ src\ 2a02:128:4:5::10\ flowid\ 1:101
```

iproute is the stable version for Debian 7 - <http://packages.debian.org/wheezy/iproute>
iproute-dev installed too

Linux kernel 2.6.32-042stab081.5

```
# lsmod | egrep -i "sch*|cls|cqb|htb"
sch_ingress      2116  1
cls_u32          6802  1
sch_sfq          5779  1
sch_htb         15572  2
xt_DSCP           2913  0
xt_dscp           2105  0
fscache          53079  1 nfs
scsi_transport_sas 35503  1 mpt2sas
```

here is my ifconfig

```
# ifconfig
eth0  Link encap:Ethernet HWaddr 00:25:90:83:24:26
      inet6 addr: fe80::225:90ff:fe83:2426/64 Scope:Link
      UP BROADCAST RUNNING MULTICAST MTU:9000 Metric:1
      RX packets:1291709796 errors:0 dropped:0 overruns:0 frame:0
      TX packets:1416374081 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:644877381022 (600.5 GiB) TX bytes:976947258877 (909.8 GiB)
      Interrupt:16 Memory:dfc00000-dfc20000
```

```
lo    Link encap:Local Loopback
      inet addr:127.0.0.1  Mask:255.0.0.0
      inet6 addr: ::1/128 Scope:Host
      UP LOOPBACK RUNNING MTU:16436 Metric:1
      RX packets:169135 errors:0 dropped:0 overruns:0 frame:0
      TX packets:169135 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:9051662 (8.6 MiB) TX bytes:9051662 (8.6 MiB)

venet0  Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
      inet6 addr: fe80::1/128 Scope:Link
      UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
      RX packets:1216035326 errors:0 dropped:0 overruns:0 frame:0
      TX packets:1234115696 errors:0 dropped:5427 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:692529324124 (644.9 GiB) TX bytes:633737631447 (590.2 GiB)

vlan496  Link encap:Ethernet HWaddr 00:25:90:83:24:26
      inet addr:93.171.21.1 Bcast:93.171.216.255 Mask:255.255.255.0
      inet6 addr: fe80::225:90ff:fe83:2426/64 Scope:Link
      inet6 addr: 2a02:128:4::5/64 Scope:Global
      UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
      RX packets:1287339327 errors:0 dropped:0 overruns:0 frame:0
      TX packets:1234841418 errors:0 dropped:1 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:626530343357 (583.5 GiB) TX bytes:964240099115 (898.0 GiB)

vlan496:1 Link encap:Ethernet HWaddr 00:25:90:83:24:26
      inet addr:93.171.22.1 Bcast:93.171.217.255 Mask:255.255.255.0
      UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
```

root@ #

Any recommendation on where to look for problem would be very very much appreciated.
thank you.

Subject: Re: tc RTNETLINK answers: Invalid argument / We have an error talking to the kernel

Posted by [pavel.odintsov](#) on Sun, 24 Nov 2013 12:17:13 GMT

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Hello,

You can check working tc examples for openvz:

https://github.com/FastVPSEestiOu/openvz-network-shaper/blob/master/fastvps_openvz_shaper.pl
