Subject: RTNETLINK problem with tc
Posted by SÃ©kiltoyai on Sun, 16 Aug 2009 16:08:54 GMT
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Hello,

I'm trying to set up trafic control on the HN to limit bandwidth used in VPS.

These two rules are tests (see futher). The first one (tc qdisc) seems to work without error, but the second one (tc class) throw a "RTNETLINK answers: Invalid argument" error.
After some searches on Google, I have ensured every /lib/modules/2.6.26-2-openvz-amd64/kernel/net/sched/ modules were modprobed (so as sch_cbq). But no way to make this second rule to work...

Do you have some relative feedback or ideas for investigate the problem ?

Thanks for your help.

My OS : Debian Lenny
My kernel : linux-image-2.6.26-2-openvz-amd64 (installed by debian packages)
The tc commands :

```
sudo tc qdisc add \
 dev eth0 \
 root handle "1:" \
 cbq \
 avpkt 1500 \
 bandwidth 100mbit

sudo tc class add \
 dev eth0 \
 parent "1:" \
 classid "1:1" \
 cbq \
 rate 15mbit \
 allot 5000 \
 prio 2
```

Subject: Re: RTNETLINK problem with tc
Posted by curx on Mon, 17 Aug 2009 17:11:29 GMT
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maybe the OpenVZ wiki help you:

-> http://wiki.openvz.org/Traffic_shaping_with_tc

Bye,
Thorsten

Subject: Re: RTNETLINK problem with tc
Posted by SÃ©kiltoyai on Mon, 17 Aug 2009 17:52:37 GMT
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Mmh, I have already seen this page.

But, after your post, i have done a new test. Initially, I haven't considered relevant the "bounded" and "isolated" keywords as they are marked optional in manpages.

This behaviour (isolating bandwidth) doesn't interest me. Do you know why I get an error by not using them ?

These commands work :
sudo tc class add dev eth0 parent "1:" classid "1:1" cbq rate 15mbit allot 5000 prio 2 bounded

sudo tc class add dev eth0 parent "1:" classid "1:1" cbq rate 15mbit allot 5000 prio 2 isolated

sudo tc class add dev eth0 parent "1:" classid "1:1" cbq rate 15mbit allot 5000 prio 2 bounded isolated

But this one doesn't work :
sudo tc class add dev eth0 parent "1:" classid "1:1" cbq rate 15mbit allot 5000 prio 2

So it seems not to be possible with my kernel to have a trafic controlling which would be neither bounded (able to borrow bandwidth) or isolated (able to lend bandwidth). Is it a particuliarity of my tc commands or a bug in the kernel ?

Subject: Re: RTNETLINK problem with tc
Posted by SÃ©kiltoyai on Fri, 21 Aug 2009 06:52:59 GMT
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Sékiltoyai wrote on Mon, 17 August 2009 19:52
So it seems not to be possible with my kernel to have a trafic controlling which would be neither bounded (able to borrow bandwidth) or isolated (able to lend bandwidth). Is it a particuliarity of my tc commands or a bug in the kernel ?

Up.
Any idea ?