
Subject: *SOLVED* Newbie questions about traffic throttling and control panel

Posted by [optize](#) on Wed, 20 Sep 2006 02:19:11 GMT

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I'm looking for a way to limit the VPS's to 1Mbit/second. I saw

<http://www.serverpowered.com/openvz-bandwidth-accounting.php> but it has broken links all over it so I don't think it's supported anymore.

I'm also looking for a control panel for the end user to be able to re-install, reboot, stop, start, etc.

If you can help me out on any of these that'd be great!

Thanks.

Subject: Re: Newbie questions about traffic throttling and control panel

Posted by [Vasily Tarasov](#) on Wed, 20 Sep 2006 08:04:34 GMT

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Hello,

You can limit traffic of VE using tc. For details look at

http://wiki.openvz.org/Traffic_shaping_with_tc article.

As concerns panels. I've remember some topics here on forum from persons who had created their own control panels. You can use search to find this posts and modify presented panels for your needs. For example search gave me the following link:

http://forum.openvz.org/index.php?t=tree&goto=5449&srch=control+panel#msg_5449

HTH,
vass

Subject: Re: Newbie questions about traffic throttling and control panel

Posted by [optize](#) on Sun, 22 Oct 2006 15:33:25 GMT

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Hi there,

So I tried to use tc and I get this error when running the command;

DEV=eth0

tc qdisc del dev \$DEV root

tc qdisc add dev \$DEV root handle 1: cbq avpkt 1000 bandwidth 100mbit

tc class add dev \$DEV parent 1: classid 1:1 cbq rate 256kbit allot 1500 prio 5 bounded isolated

tc filter add dev \$DEV parent 1: protocol ip prio 16 u32 match ip src 10.0.15.101 flowid 1:1

tc qdisc add dev \$DEV parent 1:1 sfq perturb 10

Error:

RTNETLINK answers: No such file or directory
Unknown qdisc "cbq", hence option "avpkt" is unparsable
Error: Qdisc "cbq" is classless.
Unknown filter "u32", hence option "match" is unparsable
Unknown qdisc "sfq", hence option "perturb" is unparsable

Subject: Re: Newbie questions about traffic throttling and control panel
Posted by [Vasily Tarasov](#) on Mon, 23 Oct 2006 05:36:26 GMT
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I suspect, that you didn't load appropriate kernel modules. For example, in order to use CBQ qdisc you should load sch_cbq qdisc:

```
[HN]# modprobe sch_cbq  
[HN]# tc qdisc add dev eth0 root handle 1: cbq avpkt 1000 bandwidth [HN]# tc qdisc show  
qdisc cbq 1: dev eth0 rate 100000Kbit (bounded,isolated) prio no-transmit
```

HTH,
vass.

Subject: Re: Newbie questions about traffic throttling and control panel
Posted by [optize](#) on Tue, 24 Oct 2006 23:39:16 GMT
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```
[root@vz101 ~]# modprobe sch_cbq  
[root@vz101 ~]# tc qdisc add dev eth0 root handle 1: cbq avpkt 1000 bandwidth [HN]# tc qdisc  
show  
Unknown qdisc "cbq", hence option "avpkt" is unparsable
```

Subject: Re: Newbie questions about traffic throttling and control panel
Posted by [Vasily Tarasov](#) on Wed, 25 Oct 2006 05:57:30 GMT
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```
[root@vz101 ~]# tc qdisc add dev eth0 root handle 1: cbq avpkt 1000 bandwidth [HN]# tc qdisc  
show
```

^^^^^^^^^^^^^^^^

This is a scrap from other command

Should be so:

```
[HN]# tc qdisc del dev eth0 root
```

```
[HN]# tc qdisc add dev eth0 root handle 1: cbq avpkt 1000 bandwidth 100mbit
```

HTH,
vass.

Subject: Re: Newbie questions about traffic throttling and control panel

Posted by [optize](#) on Wed, 25 Oct 2006 13:58:33 GMT

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```
[root@vz101 ~]# tc qdisc del dev eth0 root
```

RTNETLINK answers: No such file or directory

```
[root@vz101 ~]# tc qdisc add dev eth0 root handle 1: cbq avpkt 1000 bandwidth 100mbit
```

Unknown qdisc "cbq", hence option "avpkt" is unparsable

```
[root@vz101 ~]#
```

Subject: Re: Newbie questions about traffic throttling and control panel

Posted by [Vasily Tarasov](#) on Wed, 25 Oct 2006 14:02:29 GMT

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Hmmm... for me, if required modules are loaded, it works?

Can you provide me an access to your node?

Thanks.

Subject: Re: Newbie questions about traffic throttling and control panel

Posted by [optize](#) on Wed, 25 Oct 2006 14:05:08 GMT

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Sent via PM.

Thanks!

Subject: Re: Newbie questions about traffic throttling and control panel

Posted by [Vasily Tarasov](#) on Mon, 30 Oct 2006 09:03:31 GMT

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During PMing, we investigate, that the problem seems to be in tc in CentOS 4.4. Attached patch solves the problem.

File Attachments

1) [diff-centos-iproute](#), downloaded 609 times

Subject: Re: Newbie questions about traffic throttling and control panel

Posted by [ariskeren](#) on Tue, 07 Nov 2006 08:43:08 GMT

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then..what must i do with that file???let laugh to me lol...

Subject: Re: Newbie questions about traffic throttling and control panel

Posted by [brybert](#) on Mon, 13 Nov 2006 08:13:52 GMT

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Hi!

Don't panic!

I've never applied a diff either..but will shortly...if I must. Basically...this is what must happen:

- 1) Download diff
- 2) Download source code to tc
- 3) Apply diff to source code
- 4) Compile tc from the modified source

It's not as difficult as you might think..but there can be problems. I'll report back later with more.

Bryon
