Subject: How to use to limit traffic?

Posted by posted on Tue, 11 Mar 2014 17:01:34 GMT

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Hello, how one can use tc (man page) to limit outgoing and incoming traffic on OpenVZ virtual machines?

There is a guide:

https://wiki.openvz.org/Traffic_shaping_with_tc#Limiting_inc oming_bandwidth

says:

Quote:

Limiting outgoing bandwidth

We can limit container outgoing bandwidth by setting the tc filter on eth0.

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 X.X.X.X flowid 1:1

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

X.X.X.X is an IP address of container.

[edit] Limiting incoming bandwidth

This can be done by setting the tc filter on venet0:

DEV=venet0

tc gdisc 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 dst X.X.X.X flowid 1:1

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

Note that X.X.X.X is an IP address of container.

I see these are commands, probably need to run one by one?

But first is DEV=venet0 and DEV=eth0, so im unsure how to limit certain container in example?

Thanks if you have any idea

Subject: Re: How to use to limit traffic?

Posted by Ales on Wed, 12 Mar 2014 00:20:33 GMT

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Well, commands like this are usualy put into a script, so you can esily repeat them or make them run automatically after each reboot.

DEV variables should be set according to your environment - it's quite possible that eth0 and venet0 are the correct values. Also, you must set the IPs (note the X.X.X.X in the code). That's how you limit a certain container - by specifying its IP.