Subject: Traffic shaping with tc question
Posted by webking on Mon, 21 Nov 2011 18:24:45 GMT
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Hi.

I've found the "Traffic shaping with tc" via this page wiki.openvz.org/Traffic_shaping_with_tc . But I need some help in understanding some of the configurations here.

At the beginning of the codes, there are:

CT_IP1=$1
CT_IP2=$2

what value should be replaced here?

replace $1 with one ip such as CT_IP1=123.123.123.123 ?

Can someone give some clear directions. Thanks very much.

```
#!/bin/sh
#
# Incoming traffic control
#
CT_IP1=$1
CT_IP2=$2
DEV=venet0
#
tc qdisc del dev $DEV root
#
tc qdisc add dev $DEV root handle 1: htb default 10
#
tc class add dev $DEV parent 1: classid 1:1 htb rate 100mbit burst 15k
tc class add dev $DEV parent 1:1 classid 1:10 htb rate 10mbit ceil 10mbit burst 15k
tc class add dev $DEV parent 1:1 classid 1:20 htb rate 20mbit ceil 20mbit burst 15k
tc class add dev $DEV parent 1:1 classid 1:30 htb rate 30mbit ceil 30mbit burst 15k
#
tc qdisc add dev $DEV parent 1:10 handle 10: sfq perturb 10
tc qdisc add dev $DEV parent 1:20 handle 20: sfq perturb 10
tc qdisc add dev $DEV parent 1:30 handle 30: sfq perturb 10
#
if [ ! -z $CT_IP1 ]; then
    tc filter add dev $DEV protocol ip parent 1:0 prio 1 u32 match ip dst "$CT_IP1" flowid 1:20
fi
if [ ! -z $CT_IP2 ]; then
    tc filter add dev $DEV protocol ip parent 1:0 prio 1 u32 match ip dst "$CT_IP2" flowid 1:30
fi
#
```

```
echo;echo "tc configuration for $DEV:"
tc qdisc show dev $DEV
tc class show dev $DEV
tc filter show dev $DEV
#
# Outgoing traffic control
#
DEV=eth0
#
tc qdisc del dev $DEV root
#
tc qdisc add dev $DEV root handle 1: htb default 10
#
tc class add dev $DEV parent 1: classid 1:1 htb rate 100mbit burst 15k
tc class add dev $DEV parent 1:1 classid 1:10 htb rate 10mbit ceil 10mbit burst 15k
tc class add dev $DEV parent 1:1 classid 1:20 htb rate 20mbit ceil 20mbit burst 15k
tc class add dev $DEV parent 1:1 classid 1:30 htb rate 30mbit ceil 30mbit burst 15k
#
tc qdisc add dev $DEV parent 1:10 handle 10: sfq perturb 10
tc qdisc add dev $DEV parent 1:20 handle 20: sfq perturb 10
tc qdisc add dev $DEV parent 1:30 handle 30: sfq perturb 10
#
if [ ! -z $CT_IP1 ]; then
    tc filter add dev $DEV protocol ip parent 1:0 prio 1 u32 match ip src "$CT_IP1" flowid 1:20
fi
if [ ! -z $CT_IP2 ]; then
    tc filter add dev $DEV protocol ip parent 1:0 prio 1 u32 match ip src "$CT_IP2" flowid 1:30
fi
#
echo;echo "tc configuration for $DEV:"
tc qdisc show dev $DEV
tc class show dev $DEV
tc filter show dev $DEV
```