

---

Subject: tc htb question regarding sharing bandwidth  
Posted by [KuJoe](#) on Mon, 17 Sep 2012 19:28:57 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Here's the issue I am facing:

I have a 1Gbps port on my host node and would like to limit each container to 100Mbps. The problem is, I cannot find a way to cap each connection at 100Mbps while utilizing the 1Gbps "pool" (i.e. 10 100Mbps connections, 20 50Mbps connections, etc...). I have it setup so with a rate limit of 100Mbps, but when 2 downloads are running it will take the 100Mbps and divide it by 2. I would like each of the connections to be able to download at 100Mbps. I'm out of ideas.

```
tc qdisc del dev venet0 root
tc qdisc add dev venet0 root handle 1: htb default 10
tc class add dev venet0 parent 1: classid 1:1 htb rate 1000mbit burst 15k
tc class add dev venet0 parent 1:1 classid 1:10 htb rate 100mbit burst 15k
tc qdisc add dev venet0 parent 1:10 handle 10: sfq perturb 10
```

---

---

Subject: Re: tc htb question regarding sharing bandwidth  
Posted by [shaggy63](#) on Tue, 18 Sep 2012 13:50:58 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Do an ifconfig on the host. Do you have a separate virtual adapter for each guest? If so set the dev class to each virtual adapter for each guest.

---

---

Subject: Re: tc htb question regarding sharing bandwidth  
Posted by [KuJoe](#) on Thu, 20 Sep 2012 01:31:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Nope, only venet0.

---

---

Subject: Re: tc htb question regarding sharing bandwidth  
Posted by [dr4g0n10rd](#) on Thu, 20 Sep 2012 13:54:09 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Limit to 10Mbit in / out

```
WANDEV="eth0"
LANDEV="venet0"
TC="/sbin/tc"
IPTABLES="/sbin/iptables"
```

```
$TC qdisc add dev $WANDEV root handle 1: cbq avpkt 1000 bandwidth 1000mbit
$TC class add dev $WANDEV parent 1: classid 1:1 cbq rate 10mbit allot 1500 prio 1 bounded
```

isolated

```
$TC qdisc add dev $WANDEV parent 1:1 sfq perturb 10
```

```
$TC qdisc add dev $LANDEV root handle 1: cbq avpkt 1000 bandwidth 1000mbit
```

```
$TC class add dev $LANDEV parent 1: classid 1:1 cbq rate 10mbit allot 1500 prio 1 bounded
```

isolated

```
$TC qdisc add dev $LANDEV parent 1:1 sfq perturb 10
```

```
$IPTABLES -t mangle -I POSTROUTING -o eth0 -s x.x.x.x -j CLASSIFY --set-class 1:1
```

```
$IPTABLES -t mangle -I POSTROUTING -o venet0 -d y.y.y.y -j CLASSIFY --set-class 1:1
```

replace x.x.x.x and y.y.y.y with CTID IP Adress

---