

Re: Re[2]: Net statistics for single user

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/isp/2005-05/0125.html>

From: Jon Simola (jsimola_at_gmail.com)

Date: 05/18/05

Date: Wed, 18 May 2005 12:36:45 -0700

To: KrzychK2 <krzychk2@o2.pl>, freebsd-isp@freebsd.org

On 5/18/05, KrzychK2 <krzychk2@o2.pl> wrote:

> *Well maybe this is a good solution but how making 200 tables will
> affect to capacity of pf.*

200 tables will have very little effect. Here's another example from my live 5.3-STABLE router running pf:

```
table <vlan100_ips> persist file "/etc/pf/vlan100_ips"  
pass in on vlan100 from <vlan100_ips> to any keep state  
pass out on vlan100 from any to <vlan100_ips> keep state
```

That table has 2024 IPs in it, and collects traffic statistics for each IP. I'm not sure why you'd need 200 tables, I only use one or two per interface. At least one of the OpenBSD guys has the entire 1.4 million entry SBL loaded as a single table with pf.

That is almost exactly the same as I still do with ipfw and dumynet (pre ipfw tables):

```
ipfw pipe 1 config mask src-ip 0xffffffff buckets 512  
ipfw pipe 2 config mask dst-ip 0xffffffff buckets 512  
ipfw add 32001 pipe 1 src-ip x.x.x.0/24 bridged  
ipfw add 32002 pipe 2 dst-ip x.x.x.0/24 bridged
```

and then read the counters with "ipfw pipe show". Both methods required some perl scripting to read the counters and insert the results in a database, per-ip, giving me the ability to graph and summarize customer traffic in 5 minute intervals.

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