How to find out all programs bandwidth use with (nethogs) top like utility on Linux

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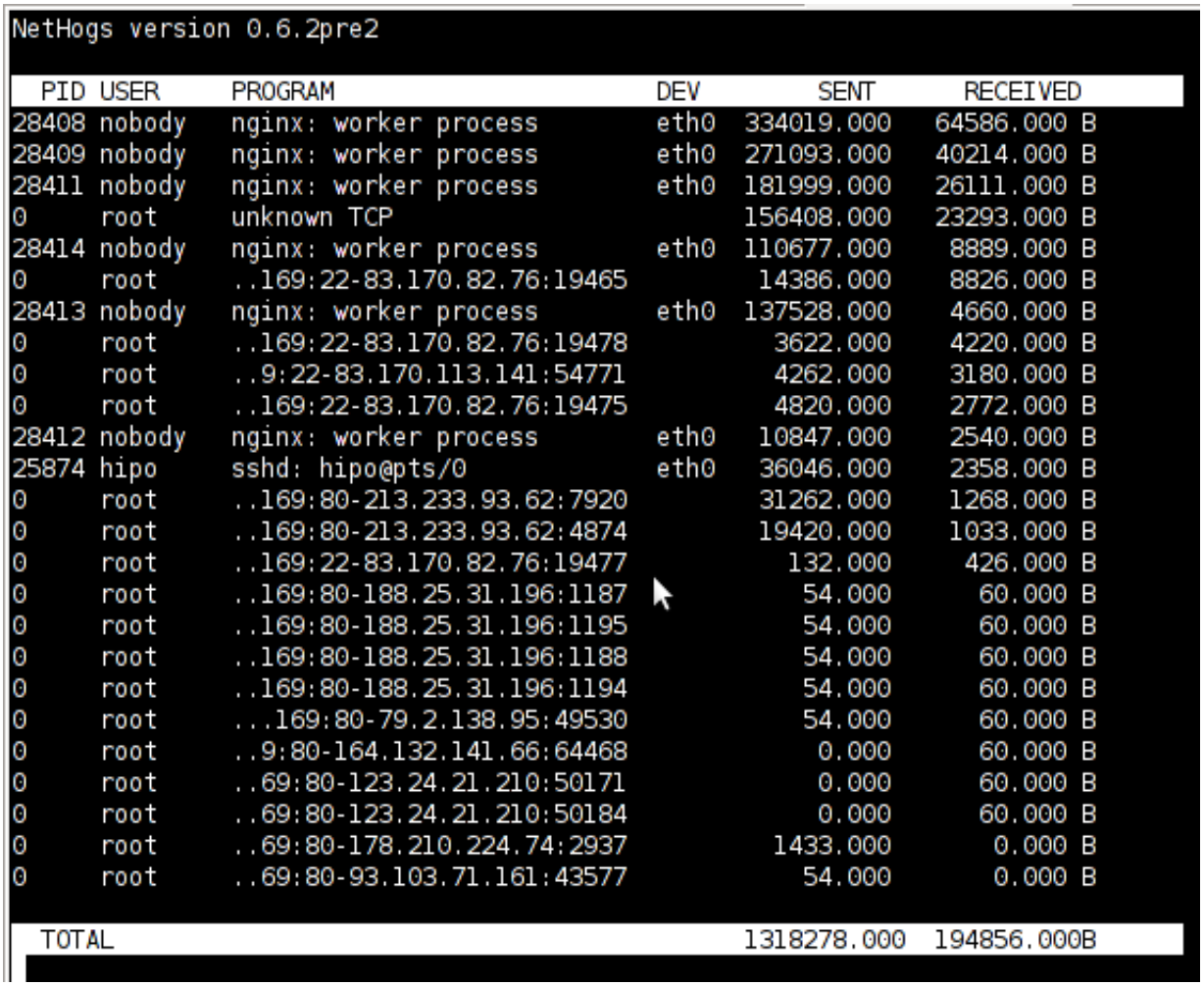
Just run across across a super nice top like, program for system administrators, its called nethogs and is definitely entering my "l337" admin outfit next to tools like **iftop, nettop, ettercap, darkstat htop, iotop** etc.

nethogs is ultra easy to use, to get immediately in console statistics about running processes UPLOAD and DOWNLOAD bandwidth consumption just run it:

linux:~# nethogs



Nethogs running on Debian GNU/Linux serving static web content with Nginx

If you need to check what program is using what amount of network bandwidth, you will definitely love this tool. Having information of bandwidth consumption is also viewable partially with iftop, however

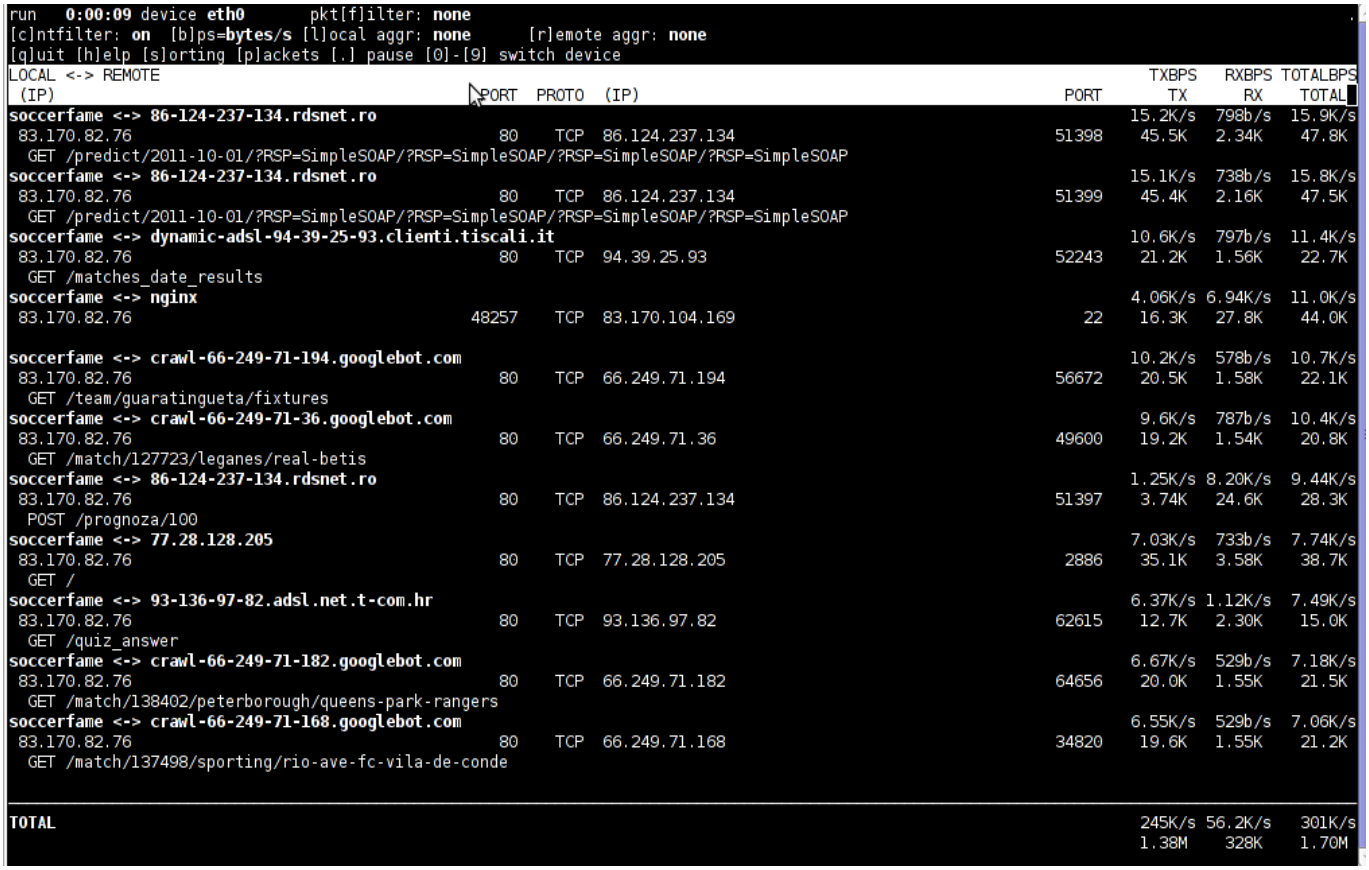
iftop is unable to track the bandwidth consumption to each process using the network thus it seems **nethogs** is unique at what it does.

Nethogs supports IPv4 and IPv6 as well as supports network traffic over ppp. The tool is available via package repositories for Debian GNU/Lenny 5 and Debian Squeeze 6.

To install **Nethogs** on CentOS and Fedora distributions, you will have to install it from source. On CentOS 5.7, latest nethogs which as of time of writting this article is 0.8.0 compiles and installs fine with **make && make install** commands.

In the manner of thoughts of network bandwidth monitoring, another very handy tool to add extra understanding on what kind of traffic is crossing over a Linux server is **jnettop**
jnettop shows which hosts/ports is taking up the most network traffic.
It is available for install via apt in Debian 5/6).

Here is a screenshot on *jnettop* in action:



To install *jnettop* on latest **Fedoras / CentOS / Slackware Linux** it has to be download and compiled from source via jnettop's official wiki page
I've tested *jnettop* install from source on **CentOS release 5.7** and it seems to compile just fine using the usual compile commands:

```
[root@prizebg jnettop-0.13.0]# ./configure
...
[root@prizebg jnettop-0.13.0]# make
...
[root@prizebg jnettop-0.13.0]# make install
```

If you need to have an idea on the **network traffic passing by your Linux server distringuished by tcp/udp/icmp** network protocols and services like ssh / ftp / apache, then you will definitely want to take a look at **nettop** (if of course not familiar with it yet).
Nettop is not provided as a deb package in Debian and Ubuntu, where it is included as rpm for CentOS and presumably Fedora?
Here is a screenshot on *nettop* network utility in action:

FreeBSD users should be happy to find out that **jnettop** and **nettop** are part of the ports tree and the two can be installed straight, however *nethogs would not work on FreeBSD*, I searched for a utility capable of what **Nethogs** can, but couldn't find such.
It seems the only way on FreeBSD to track bandwidth back and from originating process is using a combination of **iftop** and **sockstat** utilities. Probably there are other tools which people use to track network traffic to the processes running on a hos and do general network monitoringt, if anyone knows some good tools, please share with me.