vnstat - Network Traffic Logger and Monitor

vnstat keeps a daily log of network traffic for a specific device (eth0). Information is simply taken from /proc every 5 minutes via ~~cron~~ vnstatd daemon and saved to /var/lib/vnstat

What is good about vnstat, unlike munin or mrtg, is that **vnstat keeps an accurate and numerical account of all network traffic**. This is extremely useful if you have to watch bandwidth usage!!

Install and Config vnstat

```
apt-get install vnstat

#check in /etc/cron.d/ for vnstat
#You may get the error:
Starting vnStat daemon: vnstatdZero database found, exiting

ifconfig
#check for the current network interface been used.

vnstat
#if its the first time running vnstat, it will tell you to config vnstat to use an interface.
#The following is the syntax used to monitor an interface:
vnstat -u -i eth0
/etc/init.d/vnstat start
```

Check Network Traffic and Bandwidth Used

```
vnstat   #With no options, shows the totals.

vnstat -h  #Show traffic for the last 24 hours.
vnstat -d  #Show traffic for days.
vnstat -t  #Show all time top10 traffic days.
vnsatt -w  #Show traffic for 7 days.
vnstat -m  #Show traffic for months.

vnstat -tr #Show an immediate, real time sample, over a period of 5 (default if no number is given)
```

Links:

http://www.olofsson.tv/index.php/archives/90

http://humdi.net/vnstat/