iftop Live bandwidth by host

CONCEPTS

iftop needs raw packet capture: run it with sudo and name the interface with -i, or it picks the first one.

iftop -nNP	who talks
Sort 1-3	2s / 10s / 40s
Filter	l or -f
Capture	tcpdump

Reading a busy link

The three columns are average rates over 2, 10 and 40 seconds; the bottom bar shows cumulative, peak and rate totals.

Only IP traffic is counted: -f is wrapped as (filter) and ip. Monitor only networks you are authorised to.

DISPLAY

`r`
Toggle hostname resolution

`p` Toggle port display

`S` Toggle source port

`D` Toggle destination port

`t` Cycle line display modes

`P` Pause the display

`o` Freeze current ordering

`j` / `k` Scroll the host list

SORTING AND GROUPING

`s`
Aggregate by source host

`d`
Aggregate by destination host

SORTING AND GROUPING (cont.)

`1` / `2` / `3`
Sort by column 1, 2 or 3

`<` Sort by source name

`>`
Sort by destination name

`l`
Filter hostnames by regex

`f`
Edit the capture filter live

`h` / `?` Show built-in help

COMMAND LINE

`iftop` › `-i` › *<if>*
Listen on an interface

`iftop` › `-n`
No hostname lookups

COMMAND LINE (cont.)

`iftop` › `-N`
No port-to-service names

`iftop` › `-P` Show ports

`iftop` › `-B`
Rates in bytes, not bits

`iftop` › `-f` › `"<filter>"`
Capture filter (pcap syntax)

`iftop` › `-F` › *<net/mask>*
Measure direction relative to a network

`iftop` › `-G` › *<net6/mask>*
Same, for IPv6

`iftop` › `-p`
Promiscuous mode

`iftop` › `-b` No bar graphs

`iftop` › `-m` › *<limit>*
Bar scale limit (K, M, G)

`iftop` › `-l`
Count link-local IPv6

COMMAND LINE (cont.)

`iftop` › `-c` › *<file>*
Use another config file

`iftop` › `-t`
Plain text output, no ncurses

`iftop` › `-h` Print usage

RECIPES

Who is eating the uplink

```
sudo iftop -i eth0 -nNP -B
# press s or d to group by
host, 2 to sort by 10s
```

One host or one port

```
sudo iftop -i eth0 -f "host
<ip>"
sudo iftop -i eth0 -f "port
443"
```

Separate in from out on a LAN

```
sudo iftop -i eth0 -F
192.168.1.0/24
# direction is now relative
to that network
```