

iftop

Oct 2019

Iftop measures the data flowing through individual socket connections, and it works in a manner that is different from Nload. Iftop uses the pcap library to capture the packets moving in and out of the network adapter, and then sums up the size and count to find the total bandwidth under use.

Although iftop reports the bandwidth used by individual connections, it cannot report the process name/id involved in the particular socket connection. But being based on the pcap library, iftop is able to filter the traffic and report bandwidth usage over selected host connections as specified by the filter.

Install iftop on CentOS/RHEL/Red Hat/Fedora Linux

```
yum install iftop -y
```

Using iftop

From the command line, simply enter:

```
iftop -n
```

The -n option prevents iftop from resolving ip addresses to hostname, which causes additional network traffic of its own.

By default, iftop runs on the first listed interface, you can specify the interface you wish to monitor by using the following:

```
iftop -i eth3 -n
```

The above command will run iftop and monitor traffic on interface eth3. See below for an example iftop output.

Example 1 on MGMT Interface:

	12.5Kb	25.0Kb	37.5Kb	50.0Kb	62.5Kb
eri-4e-962953		=> 10.14.2.54		4.99Kb 17.5Kb 17.5Kb	
		<=		2.97Kb 3.15Kb 3.15Kb	
eri-4e-962953		=> 10.43.30.13		2.46Kb 3.65Kb 3.65Kb	
		<=		4.12Kb 5.52Kb 5.52Kb	
eri-4e-962953		=> 10.43.30.12		1.89Kb 2.08Kb 2.08Kb	
		<=		3.18Kb 1.87Kb 1.87Kb	
eri-4e-962953		=> 10.43.30.1		0b 1.73Kb 1.73Kb	
		<=		0b 1.37Kb 1.37Kb	
eri-4e-962953		=> ttvad02.tandbergtv.com		0b 0.99Kb 0.99Kb	
		<=		0b 1.29Kb 1.29Kb	
255.255.255.255		=> 0.0.0.0		0b 0b 0b	
		<=		0b 922b 922b	
TX:	cum: 32.4KB	peak: 57.6Kb	rates:	9.34Kb 26.0Kb 26.0Kb	
RX:	17.6KB	23.5Kb		10.3Kb 14.1Kb 14.1Kb	
TOTAL:	50.1KB	81.1Kb		19.6Kb 40.0Kb 40.0Kb	

Example 2 on Data Interface:

	1.86Gb	3.73Gb	5.59Gb	7.45Gb	9.31Gb
12.43.30.13		=> 239.0.11.11		37.2Mb 33.2Mb 33.5Mb	

				<=			0b	0b	0b
255.255.255.255				=> 0.0.0.0			0b	0b	0b
				<=			1.24Kb	507b	444b