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Last update: 2024/12/30 12:50 - https://atl.kr/dokuwiki/doku.php/%EB%84%A4%ED%8A%B8%EC%9B%8C%ED%81%AC_%EC%83%81%ED%83%9C_%EB%AA%A8%EB%8B%88%ED%84%B0%EB%A7%81_%ED%88%B4

가 가 .
가 .

nload

RHEL :

```
Device enp1s0 [192.168.0.18] (1/2):  
=====
```

Incoming:	
	Curr: 4.26 kBit/s
	Avg: 9.86 kBit/s
	Min: 3.84 kBit/s
	Max: 20.77 kBit/s
	Ttl: 7.05 GByte
Outgoing:	
	Curr: 9.32 kBit/s
	Avg: 9.86 kBit/s
	Min: 3.80 kBit/s
	Max: 18.21 kBit/s
	Ttl: 6.65 GByte

iftop

RHEL :

	12.5Kb	25.0Kb	37.5Kb	50.0Kb	62.5Kb
sni => 192.168.0.15			2.26Kb	1.69Kb	1.69Kb
<=			2.38Kb	1.78Kb	1.78Kb
sni => 192.168.0.2			2.66Kb	2.67Kb	2.67Kb
<=			368b	368b	368b
sni => one.one.one.one			1.65Kb	846b	846b
<=			1.99Kb	0.99Kb	0.99Kb
239.255.255.250 => 192.168.0.26			0b	0b	0b
<=			516b	258b	258b
<hr/>					
TX:	cum: 2.60KB	peak: 6.56Kb	rates: 6.57Kb	5.19Kb	5.19Kb
RX:	1.69KB	5.23Kb	5.23Kb	3.39Kb	3.39Kb
TOTAL:	4.29KB	11.8Kb	11.8Kb	8.58Kb	8.58Kb

bmon

RHEL :

```

lo
Interfaces
lo
  qdisc none (noqueue)
  enp1s0
  qdisc none (fq_codel)
RX bps pps % TX bps pps %
0 0 0 0 0 0
0 0 0 0 0 0
2.80KiB 39 2.92KiB 45
0 0 2.92KiB 45

(RX Bytes/second)
0.00
0.00
0.00
0.00
0.00
0.00
1 5 10 15 20 25 30 35 40 45 50 55 60

(TX Bytes/second)
0.00
0.00
0.00
0.00
0.00
0.00
1 5 10 15 20 25 30 35 40 45 50 55 60

Bytes RX TX Packets RX TX Abort Error RX TX
440B 440B 5 5 - 0
Carrier Error - 0 Collisions - 0 Compressed 0 0
CRC Error 0 - Dropped 0 0 Errors 0 0
FIFO Error 0 0 Frame Error 0 - Heartbeat Error - 0
ICMPv6 0 0 ICMPv6 Checksu 0 - ICMPv6 Errors 0 0
Ip6 Address Er 0 - Ip6 Broadcast 0 0 Ip6 Broadcast 0 0
Ip6 CE Packets 0 - Ip6 Checksum E 0 - Ip6 Delivers 0 -
Ip6 ECT(0) Pac 0 - Ip6 ECT(1) Pac 0 - Ip6 Forwarded 0 0
Ip6 Header Err 0 - Ip6 Multicast 0 0 Ip6 Multicast 0 0
Ip6 No Route 3 0 Ip6 Non-ECT Pa 0 - Ip6 Reasm/Frag 0 0
Ip6 Reasm/Frag 0 0 Ip6 Reasm/Frag 0 0 Ip6 Reassembly 0 -
Ip6 Too Big Er 0 - Ip6 Truncated 0 - Ip6 Unknown Pr 0 -
Ip6Discards 0 0 Ip6Octets 0 0 Ip6Pkts 0 0
Length Error 0 - Missed Error 0 - Multicast - 0
No Handler 0 - Over Error 0 - Window Error - 0

MTU 65536 Flags loopback,up,running,lo Operstate unknown
IfIndex 1 Address 00:00:00:00:00:00 Broadcast 00:00:00:00:00:00
Mode default TXqlen 1000 Family unspc
Alias noqueue
Mon Dec 30 21:40:07 2024 Press ? for help
  
```

nethogs

RHEL :

```

NetHogs version 0.8.5
PID USER PROGRAM DEV SENT RECEIVED
160807 traffi.. /usr/bin/traffic_server enp1s0 0.570 0.585 KB/sec
? root 192.168.0.18:10050-192.168.0.15:42232 0.350 0.363 KB/sec
172777 root sshd: root@pts/0 enp1s0 0.155 0.047 KB/sec
? root unknown TCP 0.000 0.000 KB/sec
TOTAL 1.074 0.995 KB/sec
  
```

vnstat

RHEL : DB

```
[root@sni ~]# vnstat
Database updated: 2024-12-30 21:41:40

enp1s0 since 2024-12-30

      rx: 150 B      tx: 90 B      total: 240 B

monthly
-----+-----+-----+-----+
      rx      |      tx      |      total      |      avg. rate
-----+-----+-----+-----+
 2024-12      |    150 B    |    90 B    |    240 B    |          0 bit/s
-----+-----+-----+-----+
 estimated    |      --     |      --     |      --     |
-----+-----+-----+-----+

daily
-----+-----+-----+-----+
      rx      |      tx      |      total      |      avg. rate
-----+-----+-----+-----+
  today      |    150 B    |    90 B    |    240 B    |          0 bit/s
-----+-----+-----+-----+
 estimated    |      --     |      --     |      --     |
-----+-----+-----+-----+
[root@sni ~]# vnstat -l
Monitoring enp1s0... (press CTRL-C to stop)

rx: 5.85 kbit/s 9 p/s      tx: 4.97 kbit/s 8 p/s
```

iptraf-ng

RHEL : TUI

iptraf-ng 1.2.1

TCP Connections (Source Host:Port)		Packets	Bytes	Flag	IFace
192.168.0.18:22	>	80	23712	-PA-	enp1s0
192.168.0.2:3883	>	78	3618	--A-	enp1s0
192.168.0.2:4695	=	15	3703	DONE	enp1s0
192.168.0.18:8080	=	14	9944	-PA-	enp1s0
192.168.0.18:48346	=	16	3656	CLOS	enp1s0
142.250.206.202:443	=	16	10119	CLOS	enp1s0

TCP: 3 entries Active

UDP (129 bytes) from 192.168.0.26:53292 to 239.255.255.250:1900 on enp1s0
 UDP (73 bytes) from 192.168.0.18:46850 to 8.8.8.8:53 on enp1s0
 UDP (89 bytes) from 8.8.8.8:53 to 192.168.0.18:46850 on enp1s0
 UDP (49 bytes) from 192.168.0.26:43226 to 192.168.0.255:32412 on enp1s0
 UDP (49 bytes) from 192.168.0.26:51860 to 192.168.0.255:32414 on enp1s0

Top Time: 0:00 Drops: 0

Packets captured: 238 | TCP flow rate: 36.93 kbps
 Up/Dn/PgUp/PgDn-scroll M-more TCP info W-chg actv win S-sort TCP X-exit

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