

# loadm command (load meter)



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## Description

The "*loadm*" command allows to estimate the load of a network interfaces specified by interface parameters. By default, the information is displayed in one line and is updated every second. The load is measured in Kbit/s.

### Syntax:

```
loadm [-b] [-m] [-l] [-p] [-w delay] interface
```

## Parameters

Parameters	Description
<b>-b</b>	Displays values in thousand of bytes per second.
<b>-m</b>	Displays results in Megabits or Megabytes (with enabled "-b" option) per second.
<b>-l</b>	Displays information line by line.
<b>-p</b>	Calculates average packet size.
<b>-w delay</b>	Specifies time interval between updates (by default 1).



### WARNING

For the rf5.0 radio interface the "*loadm*" command shows the total channel load, and not only given device traffic. On a client unit, for example, not only that unit's own traffic affects its rf5.0 interface load and is taken into account by the *loadm* command, but also the traffic between the base station and other client units. In other words, the channel being observed comprises in this case the totality of a cell traffic (generated by several mutually affecting units on the same frequency).

Therefore, the real load of the unit is better to see on its eth0 interface.

## Examples

Display the load of the interface "rf5.0" line by line.

```
Slave_2#2> loadm -l rf5.0
Load Meter V1.7
Current load on: rf5.0
All results in kbits per second
Interface name
-----
CPU%      cur / max  I N P U T  pps  cur / max  O U T P U T  pps  SUM  PPS
-----
6         41 / 41    124      49 / 49    119    90
6         44 / 44    130      58 / 58    127    102
5         41 / 44    125      49 / 58    121    90
6         42 / 44    127      54 / 58    123    96
5         40 / 44    125      52 / 58    122    92
6         43 / 44    127      51 / 58    123    94
6         52 / 52    131      54 / 58    127    106
5         39 / 52    120      48 / 58    118    87
5         44 / 52    127      55 / 58    123    99
5         42 / 52    127      53 / 58    124    95
5         39 / 52    120      44 / 58    117    83
5         44 / 52    132      60 / 60    127    104
-----
```

Annotations:

- CPU load: points to CPU% column
- Current interface load Kbit/s: points to cur column under INPUT
- Maximum interface load Kbits/sec: points to max column under INPUT
- Current forwarding rate packets/sec: points to pps column under INPUT
- Statistics for transmitted packets: points to cur and max columns under OUTPUT
- Total forwarding rate packets/sec for received and transmitted: points to SUM column
- Total interface load Kbits/sec for received and transmitted: points to PPS column

Figure - Example of the "loadm -l rf5.0" command output