

# Glances



While not precisely a server management application, Glances does assist in monitoring your server which could help you manage it.

**Glances** is a feature rich, lightweight monitoring tool for a plethora of platforms including GNU/Linux, FreeBSD, OS X and Windows.

Glances can be accessed from a terminal or web interface and provides meaningful statistics and features such as:

CPU Load	Memory
Network interface	Process list
Disk I/O	IRQ / Raid Sensors
Docker	Filesystem
Monitor Alarms & Uptime	System info

You can export all system statistics to CSV, InfluxDB, Cassandra, OpenTSDB, StatsD, ElasticSearch or even RabbitMQ. Glances also provides a dedicated Grafana dashboard.

```
xps (Ubuntu 14.04 64bit / Linux 3.13.0-63-generic) - IP 192.168.0.5/24 Uptime: 1 day, 17:30:44

Intel(R) Core(TM) i7-4500U CPU @ 1.80GHz - 1.80/1.80GHz CPU: 99.9% nice: 0.5% MEM 28.1% active: 2.47G SWAP 0.0% LOAD 4-core
CPU [||||| 99.9%] user: 97.9% irq: 0.0% total: 7.71G inactive: 1.38G total: 7.91G 1 min: 1.66
MEM [||||| 28.1%] system: 1.5% iowait: 0.0% used: 2.17G buffers: 199M used: 0 5 min: 0.98
SWAP [||||| 0.0%] idle: 0.1% steal: 0.0% free: 5.54G cached: 1.76G free: 7.91G 15 min: 0.68

NETWORK Rx/s Tx/s CONTAINERS 2 (served by Docker 1.7.1)
docker0 0b 0b
lo 0b 0b
h35fc066 0b 0b
h8e6ba8a 0b 0b
wlan0 19Kb 968Kb

Name Status CPU% MEM IOR/s IOM/s Rx/s Tx/s Command
_dbgrafana_grafana_1 Up 16 mins 0.1 16.1M 0b 0b 0b /usr/sbin/grafana-server --config=/etc/grafana/grafana.ini
_bgrafana_influxdb_1 Up 16 mins 0.1 16.3M 0b 0b 0b /usr/bin/run.sh

TASKS 228 (731 thr), 9 run, 219 slp, 0 oth sorted automatically by cpu_percent, flat view

DISK I/O R/s W/s
sda1 0 0
sda2 0 374K
sda3 0 0

FILE SYS Used Total CPU% MEM% VIRT RES PID USER NI S TIME+ IOR/s IOM/s Command
/ (sda2) 197G 226G 85.5 0.0 7.13M 100K 22818 nicolargo 0 R 0:11.21 0 0 stress --cpu 4 -t 30
/boot/efi 3.38M 511M 66.6 0.0 7.13M 100K 22821 nicolargo 0 R 0:10.62 0 0 stress --cpu 4 -t 30
64.2 0.0 7.13M 100K 22820 nicolargo 0 R 0:10.18 0 0 stress --cpu 4 -t 30
64.2 0.0 7.13M 100K 22819 nicolargo 0 R 0:10.14 0 0 stress --cpu 4 -t 30
40.1 4.0 1.43G 313M 10150 nicolargo 0 S 0:53.53 0 294K /usr/bin/perl /usr/bin/shutter
temp1 °C 27 22.1 1.0 2.67G 140M 3745 nicolargo 0 S 0:47.12 5K 157K /home/nicolargo/.dropbox-dist/dropbox-lnx.x86_64-3.8.8/dropbox /new
temp2 °C 29 9.0 11.4 2.49G 897M 6645 nicolargo 0 S 34:29.50 0 0 /usr/lib/firefox/firefox
Physical id °C 65 4.9 0.3 240M 25.7M 7077 nicolargo 0 R 0:51.84 0 0 python -m glances
Core 0 °C 63 3.8 2.8 1.60G 217M 3219 nicolargo 0 S 3:40.23 0 0 /usr/bin/gnome-shell
Core 1 °C 65 1.5 1.2 427M 93.4M 1987 root 0 S 4:49.57 0 0 /usr/bin/X :0 -background none -verbose -auth /var/run/gdm/auth-for-
Battery % 31 0.6 0.1 401M 7.42M 4128 nicolargo 0 R 0:02.24 0 0 zeitgeist-datahub
0.6 0.2 626M 14.6M 3041 nicolargo 0 S 0:02.61 0 0 /usr/lib/x86_64-linux-gnu/bamf/bamfdaemon
0.6 0.3 918M 20.2M 2744 root 0 S 0:12.63 0 0 /usr/bin/docker -d --dns 8.8.8.8 --dns 8.8.4.4
0.3 0.7 2.07G 53.4M 2072 rabbitmq 0 S 1:05.63 0 0 /usr/lib/erlang/erts-5.10.4/bin/beam.smp -W w -K true -A30 -P 10485
0.3 0.2 468M 16.5M 3325 nicolargo 19 S 0:01.60 0 0 /usr/lib/tracker/tracker-miner-fs
0.3 0.4 1.04G 34.6M 4299 nicolargo 0 S 0:00.52 0 0 /usr/lib/evolution/3.10/evolution-alarm-notify
0.3 0.1 391M 10.1M 3258 nicolargo 0 S 0:01.21 0 0 /usr/lib/telepathy/mission-control-5
0.3 0.1 355M 6.24M 3069 nicolargo 0 S 0:00.60 0 0 /usr/bin/ibus-daemon --daemonize --xim
0.3 0.0 0 0 173 root 0 S 0:00.72 0 0 kworker/2:2
0.3 0.1 341M 4.64M 4133 nicolargo 0 S 0:00.76 0 0 /usr/bin/zeitgeist-daemon
0.3 0.0 39.6M 2.66M 3802 nicolargo 0 S 0:04.69 0 0 dbus-daemon --fork --session --address=unix:abstract=/tmp/dbus-tj7X
0.3 0.5 913M 39.9M 4010 nicolargo 0 S 0:06.59 0 0 /usr/bin/python /usr/bin/terminator
0.3 0.6 474M 46.2M 9079 nicolargo 0 S 0:11.13 0 0 /usr/lib/firefox/plugin-container /usr/lib/flashplugin-installer/li

Warning or critical alerts (lasts 3 entries)
2015-09-19 14:57:17 (ongoing) - CPU_USER (98.4)
2015-09-19 14:54:48 (0:00:20) - CRITICAL on CPU_USER (98.5)
2015-09-19 14:53:25 (0:00:24) - CRITICAL on CPU_USER (98.5)
```

# Installation

There are several installation methods for Glances. While I exclusively use the container methods of installation; you can find all the installation....IN PROGRESS

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