Recursos del Sistema

Ubuntu:

• "uptime":

```
bob@ubuntu:~$ uptime
01:18:23 up 5 min, 1 user, load average: 0.85, 1.50, 0.81
bob@ubuntu:~$
```

• "pstree":

```
bob@ubuntu:~$ pstree
systemd—__ModemManager-
                             -2*[{ModemManager}]
           -NetworkManager-
                               -dhclient
                             __dhcttent
_2*[{NetworkManager}]
           -VGAuthService
           -accounts-daemon---2*[{accounts-daemon}]
           -acpid
           -avahi-daemon---avahi-daemon
           -bluetoothd
           -boltd---2*[{boltd}]
-colord---2*[{colord}]
           -cron
           -cups-browsed---2*[{cups-browsed}]
           -cupsd---dbus
           —dbus-daemon
           -fwupd---4*[{fwupd}]
           -gdm3--gdm-session-wor--gdm-x-session--Xorg---{Xorg}
                                                            -gnome-session-b-
                                                                                 -deja-dup-+
                                                                                 -evolution+
                                                                                 -gnome-she+
                                                                                 gnome-sof+
                                                                                 -gsd-a11y-+
                                                                                 -gsd-clipb+
                                                                                 -gsd-color+
                                                                                 gsd-datet+
                                                                                 gsd-disk-+
                                                                                 -gsd-house+
                                                                                  gsd-keybo+
                                                                                 -gsd-media+
                                                                                —gsd-mouse+
                                                                               -gsd-power+
                                                                                 -gsd-print+
                                                                                 -gsd-rfkil+
                                                                                 -gsd-scree+
                                                                                 -gsd-shari+
                                                                                 -gsd-smart+
                                                                                gsd-sound+
                                                                                gsd-wacom+
                                                                                 -gsd-xsett+
                                                                                 -nautilus-+
                                                                                 -ssh-agent
                                                                                 -update-no+
                                                                                -3*[{gnome+
                                                           _2*[{gdm-x-session}]
                                        L2*[{gdm-session-wor}]
                   _2*[{gdm3}]
           gnome-keyring-d—3*[{gnome-keyring-d}]

gsd-printer—2*[{gsd-printer}]

-ibus-x11—2*[{ibus-x11}]
           -2*[kerneloops]
           -networkd-dispat
```

```
networkd-dispat
              -packagekitd---2*[{packagekitd}]
-polkitd---2*[{polkitd}]
-rsyslogd---3*[{rsyslogd}]
              -rtkit-daemon-2*[{rtkit-daemon}]
              -snapd---9*[{snapd}]
-systemd---(sd-pam)
                            —at-spi-bus-laun——dbus-daemon
—3*[{at-spi-bus-laun}]
—at-spi2-registr——2*[{at-spi2-registr}]
                             -dbus-daemon
                             -dconf-service---2*[{dconf-service}]
                             -evolution-addre---5*[{evolution-addre}]
-evolution-calen---9*[{evolution-calen}]
-evolution-sourc---3*[{evolution-sourc}]
                                                         -5*[{gnome-shell-cal}]
                             -gnome-shell-cal-
                                                      bash pstree
-3*[{gnome-terminal-}]
                             -gnome-terminal--
                             -goa-daemon---3*[{goa-daemon}]
                             goa-identity-se—3*[{goa-identity-se}]
gvfs-afc-volume—3*[{gvfs-afc-volume}]
gvfs-goa-volume—2*[{gvfs-goa-volume}]
                              -gvfs-gphoto2-vo---2*[{gvfs-gphoto2-vo}]
-gvfs-mtp-volume---2*[{gvfs-mtp-volume}]
-gvfs-udisks2-vo---2*[{gvfs-udisks2-vo}]
                             gvfsd—gvfsd-trash—
                                                              _2*[{gvfsd-trash}j
                                         -2*[{gvfsd}]
                              gvfsd-fuse___5*[{gvfsd-fuse}]
                              gvfsd-fuse—5*[{gvfsd-fuse}]
                             gvfsd-metadata—2*[{gvfsd-metadata}]

—ibus-portal—2*[{ibus-portal}]

—pulseaudio—3*[{pulseaudio}]
                              -xdg-permission----2*[{xdg-permission-}]
              -systemd-journal
-systemd-logind
             -systemd-resolve
              -systemd-timesyn---{systemd-timesyn}
              -systemd-udevd
             —thermald——{thermald}
              -udisksd---4*[{udisksd}]
              -whoopsie---2*[{whoopsie}]
wpa_supplicant
```

• "ps":

```
bob@ubuntu:~$ ps
PID TTY TIME CMD

2257 pts/0 00:00:00 bash
2616 pts/0 00:00:00 ps
bob@ubuntu:~$
```

• "ps aux":

bob@ubuntu:	~\$ ps	aux							
USER		%CPU	%MEM	VSZ	RSS	TTY	STA	T START	TIME COMMAND
root	1	2.7	0.2	131208	8988	?	Ss	01:12	0:17 /sbin/init au
root	2	0.0	0.0	0	0	?	S	01:12	0:00 [kthreadd]
root	3	0.0	0.0	0	0	?	I<	01:12	0:00 [rcu_gp]
root	4	0.0	0.0	0	0	?	I<	01:12	0:00 [rcu_par_gp]
root	6	0.0	0.0	0	0	?	I<	01:12	0:00 [kworker/0:0H
root	7	0.0	0.0	0	0	?	I	01:12	0:00 [kworker/u256
root	8	0.0	0.0	0	0	?	I<	01:12	0:00 [mm_percpu_wq
root	9	0.1	0.0	0	0	?	S	01:12	0:00 [ksoftirqd/0] 🚪
root	10	0.1	0.0	0	0	?	I	01:12	0:01 [rcu_sched]
root	11	0.0	0.0	0	0	?	I	01:12	0:00 [rcu_bh]
root	12	0.0	0.0	0	0	?	S	01:12	0:00 [migration/0]
root	13	0.0	0.0	0	0	?	S	01:12	0:00 [watchdog/0]
root	14	0.0	0.0	0	0	?	S	01:12	0:00 [cpuhp/0]
root	15	0.0	0.0	0	0	?	S	01:12	0:00 [kdevtmpfs]
root	16	0.0	0.0	0	0	?	I<	01:12	0:00 [netns]
root	17	0.0	0.0	0	0	?	S	01:12	0:00 [rcu_tasks_kt
root	18	0.0	0.0	0	0	?	S	01:12	0:00 [kauditd]
root	19	0.0	0.0	0	0	?	S	01:12	0:00 [khungtaskd]
root	20	0.0	0.0	0	0	?	S	01:12	0:00 [oom_reaper]
root	21	0.0	0.0	0	0	?	I<	01:12	0:00 [writeback]
root	22	0.0	0.0	0	0	?	S	01:12	0:00 [kcompactd0]
root	23	0.0	0.0	0	0	?	SN	01:12	0:00 [ksmd]
root	24	0.0	0.0	0	0	?	SN	01:12	0:00 [khugepaged]
root	25	0.0	0.0	0	0	?	I<	01:12	0:00 [crypto]
root	26	0.0	0.0	0	0	?	I<	01:12	0:00 [kintegrityd]
root	27	0.0	0.0	0	0	?	I<	01:12	0:00 [kblockd]
	~ ~	^ ^	^ ^	~	~	~	-	A 4 A	0 00 Fl /0 4

• "ps al":

```
bob@ubuntu:~$ ps al
                                                                                        TIME COMMAND 0:00 /usr/lib
     UID
              PID
                       PPID PRI
                                    NI
                                            VSZ
                                                    RSS WCHAN STAT TTY
                       1530
    1000
             1591
                              20
                                     0
                                        187896
                                                   6148 poll_s Ssl+ tty2
             1593
                       1591
                                                                                        0:10 /usr/lib
    1000
                               20
                                      0 310960 58108 -
                                                                 Rl+
                                                                          tty2
                                                                                        0:00 /usr/lib
0:24 /usr/bin
0:00 ibus-dae
                                     0 615712 16616 poll_s Sl+
0
    1000
             1606
                       1591
                               20
                                                                          tty2
0
                                                                          tty2
    1000
             1775
                       1606
                               20
                                      0 2635704 174180 -
                                                                  Rl+
             1817
                                                  9872 poll_s Sl
0
0
0
    1000
                       1775
                               20
                                      0
                                        328332
                                                                          tty2
                                                                                        0:00 /usr/lib
    1000
             1821
                       1817
                               20
                                        254008
                                                  8712 poll_s Sl
                                                                          tty2
    1000
                                     0 321344 26572 poll_s Sl
0 244548 22816 poll_s Sl
                                                                                        0:01 /usr/lib
0:00 /usr/lib
             1822
                       1817
                               20
                                                                          tty2
    1000
0
             1828
                          1
                               20
                                                                          tty2
0
    1000
             1916
                       1606
                                      0 407712 24496 poll s Sl+
                                                                          tty2
                                                                                        0:00 /usr/lib
                               20
                                                                                        0:00 /usr/lib
0:00 /usr/lib
0:00 /usr/lib
    1000
             1917
                       1606
                               20
                                      0 280012 10392 poll_s Sl+
                                                                          tty2
0
                                                  5716 poll_s Sl+
5568 poll_s Sl+
    1000
             1919
                       1606
                               20
                                      0
                                        396904
                                                                          tty2
    1000
             1921
                       1606
                                        249296
                                                                          tty2
0
0
0
                               20
                                      0
                                                                                        0:00 /usr/lib
    1000
             1923
                       1606
                               20
                                      0 416384 12176 poll_s Sl+
                                                                          tty2
                                        339560 10008 poll_s Sl+
393184 24588 poll_s Sl+
                                                                                        0:00 /usr/lib
0:00 /usr/lib
    1000
             1926
                       1606
                               20
                                      0
                                                                          tty2
0
0
    1000
             1930
                       1606
                                                                          tty2
                               20
                                      0
    1000
             1934
                       1606
                               20
                                        322844 23396 poll_s Sl+
                                                                          tty2
                                                                                        0:00 /usr/lib
                                                                                        0:00 /usr/lib
0:00 /usr/lib
0:00 /usr/lib
0
    1000
             1936
                       1606
                               20
                                      0 288200 10352 poll_s Sl+
                                                                          tty2
0
    1000
                                        243836 22260 poll_s Sl+
253824 8660 poll_s Sl+
             1941
                       1606
                               20
                                      0
                                                                          tty2
    1000
             1943
0
0
0
                       1606
                               20
                                                                          tty2
                                                                                        0:00 /usr/lib
0:00 /usr/lib
0:00 /usr/lib
             1944
    1000
                       1606
                               20
                                      0 360308 16004 poll_s Sl+
                                                                          tty2
                                        477808 24228 poll_s Sl+
394376 22908 poll_s Sl+
                                                                          tty2
tty2
    1000
             1945
                       1606
                               20
                                      0
0
0
    1000
             1947
                       1606
                               20
                                      0
                                                                                        0:00 /usr/lib
    1000
             1948
                       1606
                               20
                                      0
                                        329820
                                                  8996 poll_s Sl+
                                                                          tty2
                                                                                        0:00 /usr/lib
0:00 /usr/lib
0:00 /usr/lib
                                       253828 8476 poll_s Sl+ tty2
1017556 26844 poll_s Sl+ tty2
                                                                          tty2
0
    1000
             1950
                       1606
                               20
                                      0
0
    1000
             1953
                       1606
                              20
                                      0
    1000
             1979
                               20
                                      0 401652 13716 poll_s Sl+ tty2
                           1
```

• "top":

```
bob@ubuntu:~$ top
top - 01:26:48 up 14 min, 1 user, load average: 0.02, 0.35, 0.51
Tasks: 235 total, 1 running, 234 sleeping, 0 stopped, 0 zombie
%Cpu(s): 23.3 us, 9.2 sy, 0.0 ni, 67.1 id, 0.0 wa, 0.0 hi, 0.3 si, 0.0 st
MiB Mem : 3921.4 total, 2353.2 free, 813.8 used, 754.3 buff/cache
MiB Swap:
                 1186.4 total,
                                         1186.4 free,
                                                                    0.0 used.
                                                                                      2845.5 avail Mem
   PID USER
                        PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
   1593 bob
                         20
                                 0 310960 58108 38036 S 19.4
                                                                                   1.4
                                                                                            0:12.54 Xorg
                                0 2635608 174244 86108 S
   1775 bob
                         20
                                                                          5.6
                                                                                   4.3
                                                                                            0:25.24 gnome-sh+
   2247 bob
                         20
                                0 637180 37136 27188 S
                                                                          5.6
                                                                                            0:05.82 gnome-te+
                                                                                   0.9
   2650 bob
                                0
                                      34756
                                                  3708
                         20
                                                            3008 R
                                                                          0.7
                                                                                   0.1
                                                                                            0:00.07 top
     10 root
                         20
                                0
                                            0
                                                       0
                                                                 0 I
                                                                          0.3
                                                                                   0.0
                                                                                            0:01.34 rcu sched
    101 root
                         20
                                0
                                            0
                                                       0
                                                                 0 I
                                                                          0.3
                                                                                   0.0
                                                                                            0:02.82 kworker/+
    342 root
                         20 0 142756 11136
                                                             9872 S
                                                                          0.3 0.3
                                                                                            0:02.91 vmtoolsd
top - 01:27:00 up 14 min, 1 user, load average: 0.10, 0.36, 0.51
Tasks: 235 total, 1 running, 234 sleeping, 0 stopped, 0 zombie
%Cpu(s): 36.3 us, 9.2 sy, 0.0 ni, 54.1 id, 0.0 wa, 0.0 hi, 0.3 si, 0.0 st
MiB Mem : 3921.4 total, 2353.3 free, 813.8 used, 754.3 buff/cache
```

• "vmstat":

```
bob@ubuntu:~$ vmstat
procs ------memory-------swap-- ----io----system-- ----cpu---

r b swpd free buff cache si so bi bo in cs us sy id was t

2 0 0 2409084 120120 652420 0 0 644 49 167 588 9 12 73 6
0
bob@ubuntu:~$
```

• "w":

```
      bob@ubuntu:~$ w
      01:30:13 up 17 min, 1 user, load average: 0.00, 0.18, 0.41

      USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT

      bob
      :0
      01:15 ?xdm? 1:09 0.05s /usr/lib/gdm3/

      bob@ubuntu:~$
```

"ulimit":

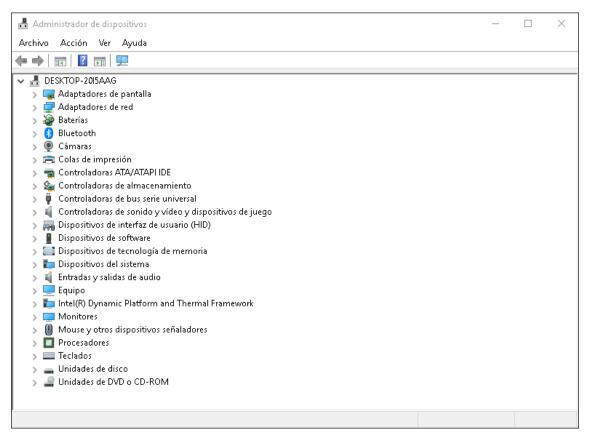
```
bob@ubuntu:~$ ulimit
unlimited
bob@ubuntu:~$
```

• "kill":

```
3577 tty2
                 00:01:38 firefox
  3729 tty2
                 00:00:02 WebExtensions
                00:05:05 Web Content
  3747 tty2
                 00:00:02 Web Content
  3806 tty2
  3864 tty2
                00:00:01 Web Content
                00:00:01 kworker/0:0-events
  3912 ?
                 00:00:00 kworker/0:1-cgroup_destroy
  3960 ?
                00:00:00 kworker/u256:2-events_unbound
  3992 ?
  4010 pts/0
                 00:00:00 ps
bob@ubuntu:~$ kill 3577
bob@ubuntu:~$
```

Windows

• Administrador de dispositivos



• Monitor de rendimiento

