

## PS AND TOP

### WHAT ARE PROCESSES AND WHY MONITOR THEM?

A process is a running program on your system. Eg like your terminal, a web browser, or background services like cron. Monitoring processes is a core cybersecurity skill because it helps you spot suspicious activity eg malware, troubleshoot performance issues, or verify that tools are running correctly. There are two powerful process commands : PS and TOP.

The PS: Process Status command gives a snapshot of running processes. It consists of basic command lines such as:

- Ps: shows processes in my current terminal(eg bash and ps itself).
- Ps -u \$USER: lists all the processes under my user account.
- Ps aux: displays all system processes, including those owned by root or other users. This was eye-opening, showing systems lservices like system and VMwares vmtoolsd..
- Ps aux | grep: this helps to find a specific service running in the background.

The TOP: this provides a live, interactive view of processes. Running top showed :

- A system summary of CPU, memory and task counts etc.
- A list of processes with details like PID, user, CPU/memory usage and state.

Top also has few wire navigation keys such as pressing q to quit and k to kill a process, top is ideal for ongoing monitoring

```
su: Authentication failure
--(precious@kali)-[~]
$ ps
  PID TTY          TIME CMD
 2802 pts/0    00:00:00 zsh
 3014 pts/0    00:00:00 ps

--(precious@kali)-[~]
$ ps -u $USER
  PID TTY          TIME CMD
 1637 ?        00:00:00 systemd
 1641 ?        00:00:00 (sd-pam)
 1657 ?        00:00:00 pipewire
 1658 ?        00:00:00 pipewire
 1660 ?        00:00:00 wireplumber
 1661 ?        00:00:00 pipewire-pulse
 1662 ?        00:00:00 gnome-keyring-d
 1666 ?        00:00:00 dbus-daemon
 1707 tty2    00:00:00 gdm-x-session
 1712 tty2    00:00:08 Xorg -
 1747 tty2    00:00:00 gnome-session-b
 1809 ?        00:00:00 ssh-agent
 1830 ?        00:00:00 at-spi-bus-laun
 1837 ?        00:00:00 dbus-daemon
 1858 ?        00:00:00 gcr-ssh-agent

--(precious@kali)-[~]
$ ps aux
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1   0.1  0.3 22752 13504 ?        Ss   13:00   0:02 /sbin/init splash
root         2   0.0  0.0      0   0 ?        Ss   13:00   0:00 [kthreadd]
root         4   0.0  0.0      0   0 ?        Ic   13:00   0:00 [pool.workerqueue.release]
root         5   0.0  0.0      0   0 ?        Ic   13:00   0:00 [worker/R-cpu_1]
root         6   0.0  0.0      0   0 ?        Ic   13:00   0:00 [worker/R-slub_]
root         7   0.0  0.0      0   0 ?        Ic   13:00   0:00 [worker/R-nets_]
root        12   0.0  0.0      0   0 ?        Ic   13:00   0:00 [worker/R-mn-blklock]
root        13   0.0  0.0      0   0 ?        Ic   13:00   0:00 [worker/R-mn_pe]
root        14   0.0  0.0      0   0 ?        S    13:00   0:00 [rcu_tasks_trace.kthread]
root        15   0.0  0.0      0   0 ?        S    13:00   0:00 [rcu_tasks_trace.kthread]
root        16   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/0]
root        17   0.0  0.0      0   0 ?        S    13:00   0:00 [rcu_preempt]
root        18   0.0  0.0      0   0 ?        S    13:00   0:00 [migration/0]
root        19   0.0  0.0      0   0 ?        S    13:00   0:00 [idle_inject/0]
root        20   0.0  0.0      0   0 ?        S    13:00   0:00 [cpuhp/0]
root        21   0.0  0.0      0   0 ?        S    13:00   0:00 [cpuhp/1]
root        22   0.0  0.0      0   0 ?        S    13:00   0:00 [idle_inject/1]
root        23   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/1]
root        24   0.0  0.0      0   0 ?        S    13:00   0:00 [worker/100-events_highpri]
root        26   0.0  0.0      0   0 ?        Ic   13:00   0:00 [cpuhp/2]
root        27   0.0  0.0      0   0 ?        S    13:00   0:00 [idle_inject/2]
root        28   0.0  0.0      0   0 ?        S    13:00   0:00 [migration/2]
root        29   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/2]
root        30   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/3]
root        31   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/4]
root        32   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/5]
root        33   0.0  0.0      0   0 ?        Ic   13:00   0:00 [worker/R-ine_]
root        34   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/6]
root        35   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/7]
root        36   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/8]
root        37   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/9]
root        38   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/10]
root        39   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/11]
root        40   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/12]
root        41   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/13]
root        42   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/14]
root        43   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/15]
root        44   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/16]
root        45   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/17]
root        46   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/18]
root        47   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/19]
root        48   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/20]
root        49   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/21]
root        50   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/22]
root        51   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/23]
root        52   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/24]
root        53   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/25]
root        54   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/26]
root        55   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/27]
root        56   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/28]
root        57   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/29]
root        58   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/30]
root        59   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/31]
root        60   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/32]
root        61   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/33]
root        62   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/34]
root        63   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/35]
root        64   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/36]
root        65   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/37]
root        66   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/38]
root        67   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/39]
root        68   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/40]
root        69   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/41]
root        70   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/42]
root        71   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/43]
root        72   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/44]
root        73   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/45]
root        74   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/46]
root        75   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/47]
root        76   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/48]
root        77   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/49]
root        78   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/50]
root        79   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/51]
root        80   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/52]
root        81   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/53]
root        82   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/54]
root        83   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/55]
root        84   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/56]
root        85   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/57]
root        86   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/58]
root        87   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/59]
root        88   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/60]
root        89   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/61]
root        90   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/62]
root        91   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/63]
root        92   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/64]
root        93   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/65]
root        94   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/66]
root        95   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/67]
root        96   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/68]
root        97   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/69]
root        98   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/70]
root        99   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/71]
root       100   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/72]
root       101   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/73]
root       102   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/74]
root       103   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/75]
root       104   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/76]
root       105   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/77]
root       106   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/78]
root       107   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/79]
root       108   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/80]
root       109   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/81]
root       110   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/82]
root       111   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/83]
root       112   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/84]
root       113   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/85]
root       114   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/86]
root       115   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/87]
root       116   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/88]
root       117   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/89]
root       118   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/90]
root       119   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/91]
root       120   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/92]
root       121   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/93]
root       122   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/94]
root       123   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/95]
root       124   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/96]
root       125   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/97]
root       126   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/98]
root       127   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/99]
root       128   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/100]
root       129   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/101]
root       130   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/102]
root       131   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/103]
root       132   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/104]
root       133   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/105]
root       134   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/106]
root       135   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/107]
root       136   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/108]
root       137   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/109]
root       138   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/110]
root       139   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/111]
root       140   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/112]
root       141   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/113]
root       142   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/114]
root       143   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/115]
root       144   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/116]
root       145   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/117]
root       146   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/118]
root       147   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/119]
root       148   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/120]
root       149   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/121]
root       150   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/122]
root       151   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/123]
root       152   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/124]
root       153   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/125]
root       154   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/126]
root       155   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/127]
root       156   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/128]
root       157   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/129]
root       158   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/130]
root       159   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/131]
root       160   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/132]
root       161   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/133]
root       162   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/134]
root       163   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/135]
root       164   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/136]
root       165   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/137]
root       166   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/138]
root       167   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/139]
root       168   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/140]
root       169   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/141]
root       170   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/142]
root       171   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/143]
root       172   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/144]
root       173   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/145]
root       174   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/146]
root       175   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/147]
root       176   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/148]
root       177   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/149]
root       178   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/150]
root       179   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/151]
root       180   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/152]
root       181   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/153]
root       182   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/154]
root       183   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/155]
root       184   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/156]
root       185   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/157]
root       186   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/158]
root       187   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/159]
root       188   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/160]
root       189   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/161]
root       190   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/162]
root       191   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/163]
root       192   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/164]
root       193   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/165]
root       194   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/166]
root       195   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/167]
root       196   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/168]
root       197   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/169]
root       198   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/170]
root       199   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/171]
root       200   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/172]
root       201   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/173]
root       202   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/174]
root       203   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/175]
root       204   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/176]
root       205   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/177]
root       206   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/178]
root       207   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/179]
root       208   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/180]
root       209   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/181]
root       210   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/182]
root       211   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/183]
root       212   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/184]
root       213   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/185]
root       214   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/186]
root       215   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/187]
root       216   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/188]
root       217   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/189]
root       218   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/190]
root       219   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/191]
root       220   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/192]
root       221   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/193]
root       222   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/194]
root       223   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/195]
root       224   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/196]
root       225   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/197]
root       226   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/198]
root       227   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/199]
root       228   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/200]
root       229   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/201]
root       230   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/202]
root       231   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/203]
root       232   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/204]
root       233   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/205]
root       234   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/206]
root       235   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/207]
root       236   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/208]
root       237   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/209]
root       238   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/210]
root       239   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/211]
root       240   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/212]
root       241   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/213]
root       242   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/214]
root       243   0.0  0.0      0   0 ?        S    13:00   0:00 [ksoftirqd/215]
root       244   0.0  0.0      
```