## manproccess

## April 24, 2020

```
[1]: ps
      PID TTY
                       TIME CMD
    30180 pts/9
                   00:00:00 bash
    30226 pts/9
                   00:00:00 ps
[2]: ps a
      PID TTY
                   STAT
                          TIME COMMAND
     1340 tty1
                          0:00 /sbin/agetty -o -p -- \u --noclear tty1 linux
                   Ss+
                          0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
    29601 pts/0
                   Ss+
    29622 pts/1
                          0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
                   Ss+
    29652 pts/2
                   Ss+
                          0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
    29679 pts/3
                          0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
                   Ss+
                          0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
    29708 pts/4
                   Ss+
                          0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
    29737 pts/5
                   Ss+
    29956 pts/6
                          0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
                   Ss+
    29973 pts/7
                   Ss+
                          0:00 /bin/bash -1
                          0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
    30018 pts/8
                   Ss+
    30180 pts/9
                          0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
                   Ss
    30227 pts/9
                   R+
                          0:00 ps a
[3]: ps au
    USER.
               PID %CPU %MEM
                                VSZ
                                       RSS TTY
                                                    STAT START
                                                                 TIME COMMAND
              1340
                    0.0 0.0
                              14888
                                      1908 tty1
                                                         Apr09
                                                                 0:00 /sbin/agetty -o
    root
                                                    Ss+
    jupyter+ 29601
                    0.0 0.0 21364
                                      4988 pts/0
                                                         21:31
                                                                 0:00 /bin/bash --rcf
                                                    Ss+
                    0.0 0.0 21364
                                      4964 pts/1
                                                         21:31
                                                                 0:00 /bin/bash --rcf
    jupyter+ 29622
                                                    Ss+
                                      4976 pts/2
                                                         21:32
                                                                 0:00 /bin/bash --rcf
    jupyter+ 29652
                    0.0 0.0 21364
                                                    Ss+
                        0.0 21364
                                      4828 pts/3
                                                         21:32
                                                                 0:00 /bin/bash --rcf
    jupyter+ 29679
                    0.0
                                                    Ss+
                                      4948 pts/4
    jupyter+ 29708
                    0.0 0.0 21364
                                                    Ss+
                                                         21:33
                                                                 0:00 /bin/bash --rcf
    jupyter+ 29737
                    0.0 0.0 21464
                                      5072 pts/5
                                                    Ss+ 21:34
                                                                 0:00 /bin/bash --rcf
                                                                 0:00 /bin/bash --rcf
                    0.0 0.0 21364
                                                         21:54
    jupyter+ 29956
                                      4760 pts/6
                                                    Ss+
    jupyter+ 29973
                    0.0 0.0 21464
                                      5104 pts/7
                                                    Ss+
                                                         21:54
                                                                 0:00 /bin/bash -1
    jupyter+ 30018
                    0.0 0.0 21364
                                      5092 pts/8
                                                    Ss+ 21:57
                                                                 0:00 /bin/bash --rcf
    jupyter+ 30180
                        0.0 21364
                                      5048 pts/9
                                                         22:06
                                                                 0:00 /bin/bash --rcf
                    0.0
                                                    Ss
    jupyter+ 30229
                              38372
                                      3460 pts/9
                                                         22:12
                                                                 0:00 ps au
                    0.0
                         0.0
                                                    R+
```

## [4]: ps aux

| USER | PID | %CPU | %MEM | VSZ   | RSS  | TTY | : | STAT | START | TIME | COMMAND        |
|------|-----|------|------|-------|------|-----|---|------|-------|------|----------------|
| root | 1   | 0.0  | 0.1  | 78104 | 9076 | ?   | ; | Ss   | Apr09 | 0:38 | /sbin/init     |
| root | 2   | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [kthreadd]     |
| root | 4   | 0.0  | 0.0  | 0     | 0    | ?   |   | I<   | Apr09 | 0:00 | [kworker/0:OH] |
| root | 6   | 0.0  | 0.0  | 0     | 0    | ?   |   | I<   | Apr09 | 0:00 | [mm_percpu_wq] |
| root | 7   | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [ksoftirqd/0]  |
| root | 8   | 0.0  | 0.0  | 0     | 0    | ?   |   | I    | Apr09 | 1:47 | [rcu_sched]    |
| root | 9   | 0.0  | 0.0  | 0     | 0    | ?   |   | I    | Apr09 | 0:00 | [rcu_bh]       |
| root | 10  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [migration/0]  |
| root | 11  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:02 | [watchdog/0]   |
| root | 12  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [cpuhp/0]      |
| root | 13  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [cpuhp/1]      |
| root | 14  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:03 | [watchdog/1]   |
| root | 15  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [migration/1]  |
| root | 16  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [ksoftirqd/1]  |
| root | 18  | 0.0  | 0.0  | 0     | 0    | ?   |   | I<   | Apr09 | 0:00 | [kworker/1:0H] |
| root | 19  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [cpuhp/2]      |
| root | 20  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:02 | [watchdog/2]   |
| root | 21  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [migration/2]  |
| root | 22  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [ksoftirqd/2]  |
| root | 24  | 0.0  | 0.0  | 0     | 0    | ?   |   | I<   | Apr09 | 0:00 | [kworker/2:0H] |
| root | 25  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [cpuhp/3]      |
| root | 26  | 0.0  | 0.0  | 0     | 0    | ?   | ; | S    | Apr09 | 0:02 | [watchdog/3]   |
| root | 27  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [migration/3]  |
| root | 28  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [ksoftirqd/3]  |
| root | 30  | 0.0  | 0.0  | 0     | 0    | ?   |   | I<   | Apr09 | 0:00 | [kworker/3:0H] |
| root | 31  | 0.0  | 0.0  | 0     | 0    | ?   | ; | S    | Apr09 | 0:00 | [cpuhp/4]      |
| root | 32  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:02 | [watchdog/4]   |
| root | 33  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [migration/4]  |
| root | 34  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [ksoftirqd/4]  |
| root | 36  | 0.0  | 0.0  | 0     | 0    | ?   |   | I<   | Apr09 | 0:00 | [kworker/4:OH] |
| root | 37  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [cpuhp/5]      |
| root | 38  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:02 | [watchdog/5]   |
| root | 39  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [migration/5]  |
| root | 40  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [ksoftirqd/5]  |
| root | 42  | 0.0  | 0.0  | 0     | 0    | ?   |   | I<   | Apr09 | 0:00 | [kworker/5:OH] |
| root | 43  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [cpuhp/6]      |
| root | 44  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:02 | [watchdog/6]   |
| root | 45  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [migration/6]  |
| root | 46  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [ksoftirqd/6]  |
| root | 48  | 0.0  | 0.0  | 0     | 0    | ?   |   | I<   | Apr09 | 0:00 | [kworker/6:0H] |
| root | 49  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [cpuhp/7]      |
| root | 50  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:02 | [watchdog/7]   |
| root | 51  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [migration/7]  |
| root | 52  | 0.0  | 0.0  | 0     | 0    | ?   | : | S    | Apr09 | 0:00 | [ksoftirqd/7]  |

| root         | 54         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [kworker/7:0H]                          |
|--------------|------------|-----|-----|--------|------|--------|--|----------------|------|---|
| root         | 55         | 0.0 | 0.0 | 0      | 0    | ?      | S  | Apr09          | 0:00 | [kdevtmpfs]                             |
| root         | 56         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [netns]                                 |
| root         | 57         | 0.0 | 0.0 | 0      | 0    | ?      | S  | Apr09          | 0:00 | [rcu_tasks_kthr                         |
| root         | 58         | 0.0 | 0.0 | 0      | 0    | ?      | S  | Apr09          | 0:00 | [kauditd]                               |
| root         | 61         | 0.0 | 0.0 | 0      | 0    | ?      | S  | Apr09          | 0:00 | [khungtaskd]                            |
| root         | 62         | 0.0 | 0.0 | 0      | 0    | ?      | S  | Apr09          | 0:00 | [oom_reaper]                            |
| root         | 63         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [writeback]                             |
| root         | 64         | 0.0 | 0.0 | 0      | 0    | ?      | S  | Apr09          | 0:00 | [kcompactd0]                            |
| root         | 65         | 0.0 | 0.0 | 0      | 0    | ?      | SN   | Apr09          | 0:00 | [ksmd]                                  |
| root         | 66         | 0.0 | 0.0 | 0      | 0    | ?      | SN   | Apr09          | 0:00 | [khugepaged]                            |
| root         | 67         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [crypto]                                |
| root         | 68         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [kintegrityd]                           |
| root         | 69         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [kblockd]                               |
| root         | 76         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [ata_sff]                               |
| root         | 77         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [md]                                    |
| root         | 78         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [edac-poller]                           |
| root         | 79         | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [devfreq_wq]                            |
| root         | 80         | 0.0 | 0.0 | 0      | 0    | ·<br>? | I<   | Apr09          | 0:00 | [watchdogd]                             |
| root         | 83         | 0.0 | 0.0 | 0      | 0    | :<br>? | S  | Apr09          | 0:00 | [kswapd0]                               |
| root         | 84         | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          | 0:00 | [kworker/u17:0]                         |
| root         | 85         | 0.0 | 0.0 | 0      | 0    | :<br>? | S  | Apr09          | 0:00 | [ecryptfs-kthre                         |
| root         | 127        | 0.0 | 0.0 | 0      | 0    | :<br>? | 5<br>I<  | Apr09          | 0:00 | [kthrotld]                              |
| root         | 128        | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          | 0:00 | [acpi_thermal_p                         |
| root         | 132        | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          | 0:00 | [ipv6_addrconf]                         |
| root         | 141        | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          | 0:00 | [kstrp]                                 |
| root         | 158        | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          | 0:00 | [charger_manage                         |
| root         | 228        | 0.0 | 0.0 | 0      | 0    | :<br>? | S  | Apr09          | 0:00 | [scsi_eh_0]                             |
| root         | 229        | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          | 0:00 | [scsi_tmf_0]                            |
| root         | 230        | 0.0 | 0.0 | 0      | 0    | :<br>? | S  | Apr09          | 0:00 | [scsi_eh_1]                             |
| root         | 231        | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          | 0:00 | [scsi_tmf_1]                            |
| root         | 232        | 0.0 | 0.0 | 0      | 0    | ?      | S  | Apr09          | 0:00 | [scsi_eh_2]                             |
| root         | 233        | 0.0 | 0.0 | 0      | 0    | ?      | I<   | Apr09          | 0:00 | [scsi_tmf_2]                            |
| root         | 234        | 0.0 | 0.0 | 0      | 0    | ·<br>? | S  | Apr09          |      | [scsi_eh_3]                             |
| root         | 235        | 0.0 | 0.0 | 0      |      | :<br>? | I<   | Apr09          | 0:00 | [scsi_tmf_3]                            |
| root         | 268        | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          | 0:00 |   |
| root         | 270        | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          |      | [kworker/4:1H]                          |
| root         | 338        | 0.0 | 0.0 | 0      |      | :<br>? | I<   | Apr09          | 0:00 | [raid5wq]                               |
| root         | 386        | 0.0 | 0.0 | 0      |      | :<br>? | S  | Apr09          | 0:19 | [jbd2/sda2-8]                           |
| root         | 387        | 0.0 | 0.0 | 0      | 0    | :<br>? | I<   | Apr09          |      | [ext4-rsv-conve                         |
| root         | 389        | 0.0 | 0.0 | 0      | 0    | ·<br>? | I<   | Apr09          |      | [kworker/7:1H]                          |
| root         | 438        | 0.0 | 0.0 | 0      |      | :<br>? | I<   | Apr09          | 0:00 | [kworker/5:1H]                          |
| root         | 459        | 0.0 |     | 193988 |      |        | S <s< td=""><td>Apr09</td><td></td><td>/lib/systemd/sy</td></s<> | Apr09          |      | /lib/systemd/sy                         |
|              | 480        | 0.0 | 0.0 | 193900 | 0    | :<br>? | I<   | Apr09          |      | [iscsi_eh]                              |
| root<br>root | 481        | 0.0 | 0.0 | 0      |      | :<br>? | I<   | Apr09<br>Apr09 |      | [kworker/6:1H]                          |
|              | 482        | 0.0 | 0.0 | 97708  | 1836 |        | Ss   | Apr09<br>Apr09 |      | /sbin/lvmetad -                         |
| root         | 482<br>484 | 0.0 | 0.0 | 91108  |      | ?      | ss<br>I<   | -              |      |   |
| root         | 484<br>485 | 0.0 | 0.0 | 0      |      | !<br>? | I<   | Apr09          |      | <pre>[ib-comp-wq] [ib-comp-unb-wq</pre> |
| root         | +00        | 0.0 | 0.0 | U      | U    | :      | 1  | Apr09          | 0.00 | LTD_COmb_mmp_Md                         |

```
486
                 0.0
                       0.0
                                 0
                                        0 ?
                                                    I<
                                                          Apr09
                                                                   0:00 [ib_mcast]
root
            487
                                 0
                                        0 ?
                 0.0
                       0.0
                                                    I<
                                                          Apr09
                                                                   0:00 [ib_nl_sa_wq]
root
            488
                 0.0
                       0.0
                             47660
                                     6472 ?
                                                    Ss
                                                                   0:08 /lib/systemd/sy
                                                          Apr09
root
            490
                 0.0
                       0.0
                                 0
                                        0 ?
                                                    I<
                                                                   0:00 [rdma_cm]
                                                          Apr09
root
                                        0 ?
            521
                 0.0
                       0.0
                                 0
                                                    S<
                                                          Apr09
                                                                   0:00 [loop0]
root
            522
                                 0
                                        0 ?
                 0.0
                       0.0
                                                    S<
                                                          Apr09
                                                                   0:00 [loop1]
root
            523
                 0.0
                       0.0
                                 0
                                        0 ?
                                                    I<
                                                          Apr09
                                                                   0:00 [kworker/2:1H]
root
            525
                 0.0
                       0.0
                                 0
                                        0 ?
                                                    S
                                                          Apr09
                                                                   0:00 [irq/125-mei_me
root
                                 0
                                        0 ?
            529
                 0.0
                       0.0
                                                    I<
                                                          Apr09
                                                                   0:00 [kworker/3:1H]
root
root
            608
                 0.0
                       0.0
                                 0
                                        0 ?
                                                    I<
                                                          Apr09
                                                                   0:00 [kworker/1:1H]
                                 0
                                        0 ?
                 0.0
                       0.0
                                                    I<
                                                          Apr09
                                                                   0:00 [kworker/0:1H]
            616
root
                                     3156 ?
systemd+
            873
                 0.0
                       0.0 141936
                                                    Ssl
                                                          Apr09
                                                                   0:02 /lib/systemd/sy
            919
                 0.0
                             80056
                                     5308 ?
                                                          Apr09
                                                                   0:15 /lib/systemd/sy
systemd+
                       0.0
                                                    Ss
                                     6268 ?
systemd+
            939
                 0.0
                       0.0
                             70752
                                                    Ss
                                                          Apr09
                                                                   0:02 /lib/systemd/sy
root
           1037
                 0.0
                       0.2 169100 17264 ?
                                                    Ssl
                                                          Apr09
                                                                   0:00 /usr/bin/python
           1044
                       0.8 186944
                                   68432 ?
root
                 0.1
                                                    Ssl
                                                          Apr09
                                                                  21:20 /opt/tljh/hub/b
           1054
                 0.0
                       0.0
                             50100
                                     4684 ?
                                                    Ss
                                                          Apr09
                                                                   0:01 /usr/bin/dbus-d
message+
           1089
                 0.0
                       0.0
                             30028
                                     3228 ?
                                                                   0:02 /usr/sbin/cron
root
                                                    Ss
                                                          Apr09
                 0.0
                       0.0
                             70664
                                     6128 ?
                                                                   0:02 /lib/systemd/sy
           1099
                                                    Ss
                                                          Apr09
root
           1104
                 0.0
                       0.0
                             28332
                                     2464 ?
                                                          Apr09
                                                                   0:00 /usr/sbin/atd -
daemon
                                                    Ss
                       1.0 314872 84848 ?
root
           1111
                 0.1
                                                    Ss
                                                          Apr09
                                                                  23:43 /opt/tljh/hub/b
                                     2656 ?
           1148
                 0.0
                       0.0 235968
                                                    Ssl
                                                          Apr09
                                                                   0:04 /usr/bin/lxcfs
root
syslog
           1154
                 0.0
                       0.0 263036
                                     5236 ?
                                                    Ssl
                                                          Apr09
                                                                   1:13 /usr/sbin/rsysl
           1190
                                     9460 ?
root
                 0.0
                       0.1 178600
                                                    Ssl
                                                          Apr09
                                                                   1:53 /usr/sbin/therm
           1199
                 0.0
                       0.3 1819576
                                    25148 ?
                                                    Ssl
                                                          Apr09
                                                                   2:17 /usr/lib/snapd/
root
           1201
                 0.0
                       0.0 110488
                                     3448 ?
                                                          Apr09
                                                                   2:42 /usr/sbin/irqba
root
                                                    Ssl
           1213
                 0.0
                       0.0 286392
                                     6808 ?
                                                    Ssl
                                                          Apr09
                                                                   0:54 /usr/lib/accoun
root
           1230
                 0.0
                       0.2 185944
                                   19896 ?
                                                    Ssl
                                                          Apr09
                                                                   0:00 /usr/bin/python
root
           1340
                 0.0
                       0.0
                             14888
                                     1908 tty1
                                                    Ss+
                                                          Apr09
                                                                   0:00 /sbin/agetty -o
root
           1379
                 0.0
                       0.0 288884
                                     6480 ?
                                                    Ssl
                                                          Apr09
                                                                   0:00 /usr/lib/policy
root
           1421
                 0.0
                             72300
                                     6360 ?
                                                                   0:00 /usr/sbin/sshd
root
                       0.0
                                                    Ss
                                                          Apr09
           1526
                 0.0
                       2.1 1424272 177108 ?
                                                    Sl
                                                          Apr09
                                                                  16:22 /usr/sbin/mysql
mysql
           1875
                 0.0
                       0.3 172540 28420 ?
                                                    Ss
                                                          Apr09
                                                                   8:11 /opt/tljh/hub/b
root
           3754
                 0.0
                       0.0
                                 0
                                        0 ?
                                                                   0:51 [kworker/1:1]
                                                    Ι
                                                          Apr18
root
                                 0
                                        0 ?
                                                    Ι
          10822
                 0.0
                       0.0
                                                          Apr16
                                                                   0:00 [kworker/3:1]
root
                                        0 ?
                                                                         [kworker/7:2]
root
          11051
                 0.0
                       0.0
                                 0
                                                    Ι
                                                          Apr16
                                                                   0:03
                                        0 ?
                                                    Ι
          12350
                 0.0
                       0.0
                                 0
                                                          Apr20
                                                                   0:00 [kworker/5:0]
root
          17152
                 0.0
                       0.0
                                 0
                                        0 ?
                                                    Ι
                                                          Apr21
                                                                         [kworker/6:2]
root
                                                                   0:00
                                 0
                                        0 ?
                                                    Ι
          17832
                 0.0
                       0.0
                                                          Apr17
                                                                   0:00 [kworker/2:1]
root
                                        0 ?
          19744
                 0.0
                       0.0
                                 0
                                                    Ι
                                                          Apr22
                                                                   0:01 [kworker/0:0]
root
          23455
                 0.0
                                 0
                                        0 ?
                                                    Ι
                                                          00:41
                                                                   0:00 [kworker/4:0]
root
                       0.0
                                        0 ?
                                 0
                                                    Ι
                                                          03:28
          24961
                 0.0
                       0.0
                                                                   0:00 [kworker/6:1]
root
          25236
                 0.0
                       0.0
                                 0
                                        0 ?
                                                    Ι
                                                          04:21
                                                                         [kworker/5:1]
root
                                                                   0:00
                                        0 ?
                                 0
                                                    Ι
root
          27968
                 0.0
                       0.0
                                                          11:39
                                                                   0:00 [kworker/4:1]
                                 0
                                        0 ?
                                                    Ι
          28372
                 0.0
                       0.0
                                                          16:55
                                                                   0:00
                                                                         [kworker/2:0]
root
                                        0 ?
          28378
                 0.0
                       0.0
                                 0
                                                    Ι
                                                          16:55
                                                                   0:00 [kworker/3:0]
root
          28555
                 0.0
                       0.0
                                 0
                                        0 ?
                                                    Ι
                                                          17:18
                                                                   0:00 [kworker/0:2]
root
          29172
                 0.0
                       0.0
                                 0
                                        0 ?
                                                    Ι
                                                          18:32
                                                                   0:00 [kworker/7:0]
root
```

```
0.0 0.0
         29405
                              0
                                    0 ?
                                               Ι
                                                    19:10
                                                            0:00 [kworker/1:2]
root
         29439
                0.0
                    0.0
                              0
                                    0 ?
                                                    20:32
                                                            0:00 [kworker/u16:2]
root
                                               Ι
jupyter+ 29514
                0.6
                    1.0 2119540 82724 ?
                                               Rsl
                                                    21:30
                                                            0:17 /opt/tljh/user/
jupyter+ 29584
                0.0 0.5 487852 46756 ?
                                               Ssl
                                                    21:31
                                                            0:00 /opt/tljh/user/
jupyter+ 29587
                0.0 0.5 487852 46560 ?
                                                    21:31
                                                            0:00 /opt/tljh/user/
                                               Ssl
jupyter+ 29601
                    0.0 21364
                                 4988 pts/0
                                               Ss+
                                                    21:31
                                                            0:00 /bin/bash --rcf
                0.0
jupyter+ 29622
                0.0
                    0.0 21364
                                 4964 pts/1
                                               Ss+
                                                    21:31
                                                            0:00 /bin/bash --rcf
jupyter+ 29640
                0.0 0.5 487852 46604 ?
                                               Ssl
                                                    21:31
                                                            0:00 /opt/tljh/user/
jupyter+ 29652
                0.0 0.0 21364
                                4976 pts/2
                                               Ss+
                                                    21:32
                                                            0:00 /bin/bash --rcf
                0.0 0.5 487852 46688 ?
                                                            0:00 /opt/tljh/user/
jupyter+ 29667
                                               Ssl
                                                    21:32
jupyter+ 29679
                    0.0 21364
                                 4828 pts/3
                                                    21:32
                                                            0:00 /bin/bash --rcf
                0.0
                                               Ss+
jupyter+ 29696
                0.0 0.5 487852 46672 ?
                                                    21:32
                                                            0:00 /opt/tljh/user/
                                               Ssl
                0.0 0.0 21364
                                                            0:00 /bin/bash --rcf
jupyter+ 29708
                                4948 pts/4
                                               Ss+
                                                    21:33
jupyter+ 29725
                0.0 0.5 487980 46712 ?
                                                    21:34
                                                            0:01 /opt/tljh/user/
                                               Ssl
                0.0 0.0 21464 5072 pts/5
                                                            0:00 /bin/bash --rcf
jupyter+ 29737
                                               Ss+
                                                    21:34
jupyter+ 29871
                0.2 0.9 724224 77076 ?
                                               Ssl
                                                    21:54
                                                            0:02 /opt/tljh/user/
jupyter+ 29944
                0.0 0.5 487852 46656 ?
                                               Ssl
                                                    21:54
                                                            0:00 /opt/tljh/user/
jupyter+ 29956
                0.0 0.0 21364
                                4760 pts/6
                                               Ss+
                                                    21:54
                                                            0:00 /bin/bash --rcf
jupyter+ 29973
                0.0 0.0 21464
                                 5104 pts/7
                                               Ss+
                                                    21:54
                                                            0:00 /bin/bash -1
jupyter+ 30006
                0.0 0.5 487980 46844 ?
                                               Ssl
                                                    21:57
                                                            0:00 /opt/tljh/user/
                                                            0:00 /bin/bash --rcf
jupyter+ 30018
                0.0 0.0 21364
                                 5092 pts/8
                                               Ss+
                                                    21:57
         30122
                0.0 0.0
                              0
                                    0 ?
                                               Ι
                                                    22:00
                                                            0:00 [kworker/u16:0]
root
jupyter+ 30168
                0.0 0.5 487848 46684 ?
                                               Rsl
                                                    22:06
                                                            0:00 /opt/tljh/user/
jupyter+ 30180
                0.0 0.0 21364
                                 5048 pts/9
                                                    22:06
                                                            0:00 /bin/bash --rcf
                                               Ss
jupyter+ 30230
                0.0 0.0
                          38372
                                 3660 pts/9
                                               R+
                                                    22:12
                                                            0:00 ps aux
```

## [8]: ps aux

| USER | PID | %CPU | %MEM | VSZ   | RSS  | TTY | STAT | START | TIME | COMMAND        |
|------|-----|------|------|-------|------|-----|------|-------|------|----------------|
| root | 1   | 0.0  | 0.1  | 78104 | 9076 | ?   | Ss   | Apr09 | 0:38 | /sbin/init     |
| root | 2   | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [kthreadd]     |
| root | 4   | 0.0  | 0.0  | 0     | 0    | ?   | I<   | Apr09 | 0:00 | [kworker/0:OH] |
| root | 6   | 0.0  | 0.0  | 0     | 0    | ?   | I<   | Apr09 | 0:00 | [mm_percpu_wq] |
| root | 7   | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [ksoftirqd/0]  |
| root | 8   | 0.0  | 0.0  | 0     | 0    | ?   | I    | Apr09 | 1:47 | [rcu_sched]    |
| root | 9   | 0.0  | 0.0  | 0     | 0    | ?   | I    | Apr09 | 0:00 | [rcu_bh]       |
| root | 10  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [migration/0]  |
| root | 11  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:02 | [watchdog/0]   |
| root | 12  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [cpuhp/0]      |
| root | 13  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [cpuhp/1]      |
| root | 14  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:03 | [watchdog/1]   |
| root | 15  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [migration/1]  |
| root | 16  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [ksoftirqd/1]  |
| root | 18  | 0.0  | 0.0  | 0     | 0    | ?   | I<   | Apr09 | 0:00 | [kworker/1:0H] |
| root | 19  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [cpuhp/2]      |
| root | 20  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:02 | [watchdog/2]   |
| root | 21  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [migration/2]  |
| root | 22  | 0.0  | 0.0  | 0     | 0    | ?   | S    | Apr09 | 0:00 | [ksoftirqd/2]  |

| root         | 24       | 0.0 | 0.0 | 0 | 0 ?        | I<      | Apr09          | 0:00 | [kworker/2:0H]                        |
|--------------|----------|-----|-----|---|------------|---------|----------------|------|---------------------------------------|
| root         | 25       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [cpuhp/3]                             |
| root         | 26       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:02 | [watchdog/3]                          |
| root         | 27       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [migration/3]                         |
| root         | 28       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [ksoftirqd/3]                         |
| root         | 30       | 0.0 | 0.0 | 0 | 0 ?        | ī<      | Apr09          | 0:00 | [kworker/3:0H]                        |
| root         | 31       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [cpuhp/4]                             |
| root         | 32       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:02 | [watchdog/4]                          |
| root         | 33       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [migration/4]                         |
| root         | 34       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [ksoftirqd/4]                         |
| root         | 36       | 0.0 | 0.0 | 0 | 0 ?        | ī<      | Apr09          | 0:00 | [kworker/4:0H]                        |
| root         | 37       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [cpuhp/5]                             |
| root         | 38       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:02 | [watchdog/5]                          |
| root         | 39       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [migration/5]                         |
| root         | 40       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [ksoftirqd/5]                         |
| root         | 42       | 0.0 | 0.0 | 0 | 0 ?        | I<      | Apr09          | 0:00 | [kworker/5:0H]                        |
| root         | 43       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [cpuhp/6]                             |
| root         | 44       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:02 | [watchdog/6]                          |
| root         | 45       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [migration/6]                         |
| root         | 46       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [ksoftirqd/6]                         |
| root         | 48       | 0.0 | 0.0 | 0 | 0 :        | I<      | Apr09          | 0:00 | [kworker/6:0H]                        |
| root         | 49       | 0.0 | 0.0 | 0 | 0 :        | S       | Apr09          | 0:00 | [cpuhp/7]                             |
| root         | 50       | 0.0 | 0.0 | 0 | 0 :        | S       | Apr09          | 0:02 | [watchdog/7]                          |
| root         | 51       | 0.0 | 0.0 | 0 | 0 :        | S       | Apr09          | 0:02 | [migration/7]                         |
| root         | 52       | 0.0 | 0.0 | 0 | 0 :        | S       | Apr09          | 0:00 | [ksoftirqd/7]                         |
| root         | 54       | 0.0 | 0.0 | 0 | 0 :        | I<      | Apr09          | 0:00 | [kworker/7:0H]                        |
| root         | 55       | 0.0 | 0.0 | 0 | 0 :        | S       | Apr09          | 0:00 | [kdevtmpfs]                           |
| root         | 56       | 0.0 | 0.0 | 0 | 0 :        | I<      | Apr09          | 0:00 | [netns]                               |
| root         | 57       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [rcu_tasks_kthr                       |
| root         | 58       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [kauditd]                             |
| root         | 61       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [khungtaskd]                          |
| root         | 62       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [oom_reaper]                          |
| root         | 63       | 0.0 | 0.0 | 0 | 0 ?        | I<      | Apr09          | 0:00 | [writeback]                           |
| root         | 64       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09          | 0:00 | [kcompactd0]                          |
| root         | 65       | 0.0 | 0.0 | 0 | 0 ?        | SN      | Apr09          | 0:00 | [ksmd]                                |
| root         | 66       | 0.0 | 0.0 | 0 | 0 ?        | SN      | Apr09          | 0:00 | [khugepaged]                          |
| root         | 67       | 0.0 | 0.0 | 0 | 0 ?        | I<      | Apr09          | 0:00 |                                       |
| root         | 68       | 0.0 | 0.0 | 0 | 0 ?        | I<      | Apr09          | 0:00 | [kintegrityd]                         |
| root         | 69       | 0.0 | 0.0 | 0 | 0 ?        | I<      | Apr09          | 0:00 | [kblockd]                             |
| root         | 76       | 0.0 | 0.0 | 0 | 0 ?        | I<      | Apr09          | 0:00 | [ata_sff]                             |
| root         | 77       | 0.0 | 0.0 | 0 | 0 ?        | I<      | Apr09          | 0:00 | [md]                                  |
| root         | 78       | 0.0 | 0.0 | 0 | 0 ?        | I<      | Apr09          | 0:00 | [edac-poller]                         |
| root         | 79       | 0.0 | 0.0 | 0 | 0 :        | I<      | Apr09          | 0:00 | [devfreq_wq]                          |
|              | 80       | 0.0 | 0.0 | 0 | 0 :        | I<      | -              | 0:00 | [watchdogd]                           |
| root<br>root | 83       | 0.0 | 0.0 | 0 | 0 ?        | S       | Apr09<br>Apr09 | 0:00 | [kswapd0]                             |
|              | os<br>84 | 0.0 | 0.0 | 0 | 0 ?        | s<br>I< | Apr09          | 0:00 | [kworker/u17:0]                       |
| root         | 85       | 0.0 | 0.0 | 0 | 0 ?        | S       | -              | 0:00 |                                       |
| root         | 127      | 0.0 | 0.0 | 0 | 0 ?        | 5<br>I< | Apr09          | 0:00 | <pre>[ecryptfs-kthre [kthrotld]</pre> |
| root         | 121      | 0.0 | 0.0 | U | <b>U</b> : | 1       | Apr09          | 0.00 | [νιπτοιτα]                            |

| root         | 128  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [acpi_thermal_p |
|--------------|------|-----|-----|--------|-------|--------|--|-------|-------|-----------------|
| root<br>root | 132  | 0.0 | 0.0 | 0      | 0     | :<br>? | I<   | Apr09 | 0:00  | [ipv6_addrconf] |
| root         | 141  | 0.0 | 0.0 | 0      | 0     | :<br>? | I<   | Apr09 | 0:00  | [kstrp]         |
|              | 158  | 0.0 | 0.0 | 0      | 0     | :<br>? | I<   | -     | 0:00  | -               |
| root         | 228  |     | 0.0 |        |       | :<br>? | S  | Apr09 | 0:00  | [charger_manage |
| root         |      | 0.0 |     | 0      | 0     | :<br>? |  | Apr09 |       | [scsi_eh_0]     |
| root         | 229  | 0.0 | 0.0 | 0      | 0     |        | I<   | Apr09 | 0:00  | [scsi_tmf_0]    |
| root         | 230  | 0.0 | 0.0 | 0      | 0     | ?      | S  | Apr09 | 0:00  | [scsi_eh_1]     |
| root         | 231  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [scsi_tmf_1]    |
| root         | 232  | 0.0 | 0.0 | 0      | 0     | ?      | S  | Apr09 | 0:00  | [scsi_eh_2]     |
| root         | 233  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [scsi_tmf_2]    |
| root         | 234  | 0.0 | 0.0 | 0      | 0     | ?      | S  | Apr09 | 0:00  | [scsi_eh_3]     |
| root         | 235  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [scsi_tmf_3]    |
| root         | 268  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [ttm_swap]      |
| root         | 270  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [kworker/4:1H]  |
| root         | 338  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [raid5wq]       |
| root         | 386  | 0.0 | 0.0 | 0      | 0     | ?      | S  | Apr09 | 0:19  | [jbd2/sda2-8]   |
| root         | 387  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [ext4-rsv-conve |
| root         | 389  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:01  | [kworker/7:1H]  |
| root         | 438  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [kworker/5:1H]  |
| root         | 459  | 0.0 | 0.7 |        |       | ?      | S <s< td=""><td>Apr09</td><td></td><td>/lib/systemd/sy</td></s<> | Apr09 |       | /lib/systemd/sy |
| root         | 480  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [iscsi_eh]      |
| root         | 481  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:12  | [kworker/6:1H]  |
| root         | 482  | 0.0 | 0.0 | 97708  | 1836  | ?      | Ss   | Apr09 | 0:00  | /sbin/lvmetad - |
| root         | 484  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [ib-comp-wq]    |
| root         | 485  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [ib-comp-unb-wq |
| root         | 486  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [ib_mcast]      |
| root         | 487  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [ib_nl_sa_wq]   |
| root         | 488  | 0.0 | 0.0 | 47660  | 6472  | ?      | Ss   | Apr09 | 0:08  | /lib/systemd/sy |
| root         | 490  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [rdma_cm]       |
| root         | 521  | 0.0 | 0.0 | 0      | 0     | ?      | S<   | Apr09 | 0:00  | [loop0]         |
| root         | 522  | 0.0 | 0.0 | 0      | 0     | ?      | S<   | Apr09 | 0:00  | [loop1]         |
| root         | 523  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [kworker/2:1H]  |
| root         | 525  | 0.0 | 0.0 | 0      | 0     | ?      | S  | Apr09 | 0:00  | [irq/125-mei_me |
| root         | 529  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [kworker/3:1H]  |
| root         | 608  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [kworker/1:1H]  |
| root         | 616  | 0.0 | 0.0 | 0      | 0     | ?      | I<   | Apr09 | 0:00  | [kworker/0:1H]  |
| systemd+     | 873  | 0.0 | 0.0 | 141936 | 3156  | ?      | Ssl  | Apr09 | 0:02  | /lib/systemd/sy |
| systemd+     | 919  | 0.0 | 0.0 | 80056  | 5308  | ?      | Ss   | Apr09 | 0:15  | /lib/systemd/sy |
| systemd+     | 939  | 0.0 | 0.0 | 70752  | 6268  | ?      | Ss   | Apr09 | 0:02  | /lib/systemd/sy |
| root         | 1037 | 0.0 | 0.2 | 169100 | 17264 | ?      | Ssl  | Apr09 | 0:00  | /usr/bin/python |
| root         | 1044 | 0.1 | 0.8 | 186944 | 68432 | ?      | Ssl  | Apr09 | 21:20 | /opt/tljh/hub/b |
| message+     | 1054 | 0.0 | 0.0 | 50100  | 4684  | ?      | Ss   | Apr09 | 0:01  | /usr/bin/dbus-d |
| root         | 1089 | 0.0 | 0.0 | 30028  | 3228  | ?      | Ss   | Apr09 |       | /usr/sbin/cron  |
| root         | 1099 | 0.0 | 0.0 | 70664  | 6128  |        | Ss   | Apr09 |       | /lib/systemd/sy |
| daemon       | 1104 | 0.0 | 0.0 | 28332  | 2464  |        | Ss   | Apr09 |       | /usr/sbin/atd - |
| root         | 1111 | 0.1 |     | 314872 |       |        | Ss   | Apr09 |       | /opt/tljh/hub/b |
| root         | 1148 | 0.0 |     | 235968 | 2656  |        | Ssl  | Apr09 |       | /usr/bin/lxcfs  |
| syslog       | 1154 | 0.0 |     | 263036 | 5236  |        | Ssl  | Apr09 |       | /usr/sbin/rsysl |
| J = 0        |      |     |     |        |       |        | <u>-</u>   | 1     |       |                 |

```
1190
                 0.0
                       0.1 178600
                                    9460 ?
                                                         Apr09
                                                                  1:53 /usr/sbin/therm
root
                                                   Ssl
           1199
                 0.0
                       0.3 1819576 27788 ?
                                                   Ssl
                                                         Apr09
                                                                  2:17 /usr/lib/snapd/
root
           1201
                 0.0
                       0.0 110488
                                    3448 ?
                                                         Apr09
                                                                  2:42 /usr/sbin/irqba
                                                   Ssl
root
           1213
                 0.0
                       0.0 286392
                                    6808 ?
                                                                  0:54 /usr/lib/accoun
                                                   Ssl
                                                         Apr09
root
                       0.2 185944 19896 ?
           1230
                 0.0
                                                   Ssl
                                                         Apr09
                                                                  0:00 /usr/bin/python
root
                                                                  0:00 /sbin/agetty -o
           1340
                 0.0
                       0.0
                            14888
                                    1908 tty1
                                                   Ss+
                                                         Apr09
root
           1379
                 0.0
                       0.0 288884
                                    6480 ?
                                                   Ssl
                                                         Apr09
                                                                  0:00 /usr/lib/policy
root
root
           1421
                 0.0
                       0.0
                           72300
                                    6360 ?
                                                   Ss
                                                         Apr09
                                                                  0:00 /usr/sbin/sshd
                       2.1 1424272 177108 ?
           1526
                 0.0
                                                   Sl
                                                         Apr09
                                                                 16:22 /usr/sbin/mysql
mysql
                       0.3 172540 28420 ?
root
           1875
                 0.0
                                                   Ss
                                                         Apr09
                                                                 8:11 /opt/tljh/hub/b
           3754
                                0
                                       0 ?
                 0.0
                       0.0
                                                   Ι
                                                         Apr18
                                                                  0:51 [kworker/1:1]
root
                       0.0
                                0
                                       0 ?
                                                   Ι
root
          10822
                 0.0
                                                         Apr16
                                                                  0:00 [kworker/3:1]
                                0
                                       0 ?
          11051
                 0.0
                       0.0
                                                   Ι
                                                                  0:03 [kworker/7:2]
root
                                                         Apr16
                                       0 ?
                                 0
                                                   Ι
          12350
                 0.0
                       0.0
                                                         Apr20
                                                                  0:00 [kworker/5:0]
root
                                 0
                                       0 ?
root
         17152
                 0.0
                       0.0
                                                   Ι
                                                         Apr21
                                                                  0:00 [kworker/6:2]
                                       0 ?
         17832
                 0.0
                       0.0
                                0
                                                   Ι
                                                                  0:00 [kworker/2:1]
                                                         Apr17
root
         19744
                 0.0
                       0.0
                                0
                                       0 ?
                                                   Ι
                                                         Apr22
                                                                  0:01 [kworker/0:0]
root
                                       0 ?
         23455
                 0.0
                       0.0
                                0
                                                   Ι
                                                         00:41
                                                                  0:00 [kworker/4:0]
root
         24961
                 0.0
                       0.0
                                 0
                                       0 ?
                                                   Ι
                                                         03:28
                                                                  0:00 [kworker/6:1]
root
         25236
                 0.0
                       0.0
                                0
                                       0 ?
                                                   Ι
                                                         04:21
                                                                  0:00 [kworker/5:1]
root
                                       0 ?
         27968
                 0.0
                       0.0
                                0
                                                   Ι
                                                         11:39
                                                                  0:00 [kworker/4:1]
root
                                 0
                                       0 ?
                                                   Ι
         28372
                 0.0
                       0.0
                                                         16:55
                                                                  0:00 [kworker/2:0]
root
root
         28378
                 0.0
                       0.0
                                0
                                       0 ?
                                                   Ι
                                                         16:55
                                                                  0:00 [kworker/3:0]
         28555
                                0
                                       0 ?
                                                   Ι
                                                         17:18
                 0.0
                       0.0
                                                                  0:00 [kworker/0:2]
root
         29172
                 0.0
                       0.0
                                0
                                       0 ?
                                                   Ι
                                                         18:32
                                                                  0:00 [kworker/7:0]
root
                                 0
                                       0 ?
                                                   Ι
         29405
                 0.0
                       0.0
                                                         19:10
                                                                  0:00 [kworker/1:2]
root
                                0
                                       0 ?
                                                   Ι
         29439
                 0.0
                       0.0
                                                         20:32
                                                                  0:00 [kworker/u16:2]
root
jupyter+ 29514
                 0.6
                       1.0 2119540 84044 ?
                                                   Rsl
                                                         21:30
                                                                  0:17 /opt/tljh/user/
                       0.5 487852 46756 ?
jupyter+ 29584
                 0.0
                                                   Ssl
                                                         21:31
                                                                  0:00 /opt/tljh/user/
jupyter+ 29587
                 0.0
                       0.5 487852 46560 ?
                                                   Ssl
                                                         21:31
                                                                  0:00 /opt/tljh/user/
                                    4988 pts/0
                                                         21:31
jupyter+ 29601
                 0.0
                            21364
                                                                  0:00 /bin/bash --rcf
                       0.0
                                                   Ss+
jupyter+ 29622
                 0.0
                       0.0
                            21364
                                    4964 pts/1
                                                   Ss+
                                                         21:31
                                                                  0:00 /bin/bash --rcf
jupyter+ 29640
                 0.0
                       0.5 487852 46604 ?
                                                   Ssl
                                                         21:31
                                                                  0:00 /opt/tljh/user/
                 0.0
                            21364
                                    4976 pts/2
                                                         21:32
                                                                  0:00 /bin/bash --rcf
jupyter+ 29652
                       0.0
                                                   Ss+
                       0.5 487852 46688 ?
jupyter+ 29667
                 0.0
                                                   Ssl
                                                         21:32
                                                                  0:00 /opt/tljh/user/
                            21364
jupyter+ 29679
                 0.0
                       0.0
                                    4828 pts/3
                                                   Ss+
                                                         21:32
                                                                  0:00 /bin/bash --rcf
jupyter+ 29696
                 0.0
                       0.5 487852 46672 ?
                                                   Ssl
                                                         21:32
                                                                  0:00 /opt/tljh/user/
jupyter+ 29708
                 0.0
                       0.0
                            21364
                                    4948 pts/4
                                                   Ss+
                                                         21:33
                                                                  0:00 /bin/bash --rcf
                       0.5 487980 46712 ?
                                                         21:34
                                                                  0:01 /opt/tljh/user/
jupyter+ 29725
                 0.0
                                                   Ssl
jupyter+ 29737
                 0.0
                       0.0
                            21464
                                    5072 pts/5
                                                   Ss+
                                                         21:34
                                                                  0:00 /bin/bash --rcf
                 0.0
                       0.5 487980 46844 ?
                                                         21:57
jupyter+ 30006
                                                   Ssl
                                                                  0:00 /opt/tljh/user/
                                    5092 pts/8
jupyter+ 30018
                       0.0
                            21364
                                                                  0:00 /bin/bash --rcf
                 0.0
                                                   Ss+
                                                         21:57
          30122
                 0.0
                       0.0
                                0
                                       0 ?
                                                   Ι
                                                         22:00
                                                                  0:00 [kworker/u16:0]
root
jupyter+ 30168
                       0.5 487848 46880 ?
                 0.1
                                                   Rsl
                                                         22:06
                                                                  0:00 /opt/tljh/user/
jupyter+ 30180
                 0.0
                       0.0
                            21364
                                    5048 pts/9
                                                   Ss
                                                         22:06
                                                                  0:00 /bin/bash --rcf
root
          30235
                 0.0
                       0.0
                                0
                                       0 ?
                                                   Ι
                                                         22:12
                                                                  0:00 [kworker/u16:1]
         30236
                 0.0
                       0.0
                                0
                                       0 ?
                                                   Ι
                                                         22:12
                                                                  0:00 [kworker/2:2]
root
jupyter+ 30251
                 5.9
                       0.9 503056 77388 ?
                                                   Ssl
                                                         22:12
                                                                  0:01 /opt/tljh/user/
```