

LAB 3 – OSG202

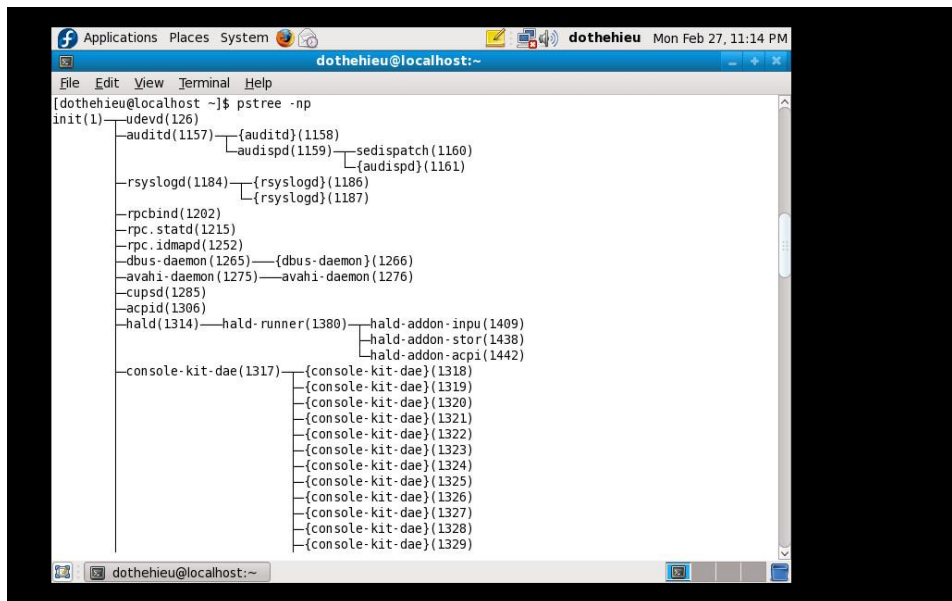
Đỗ Thế Hiếu - SE170041

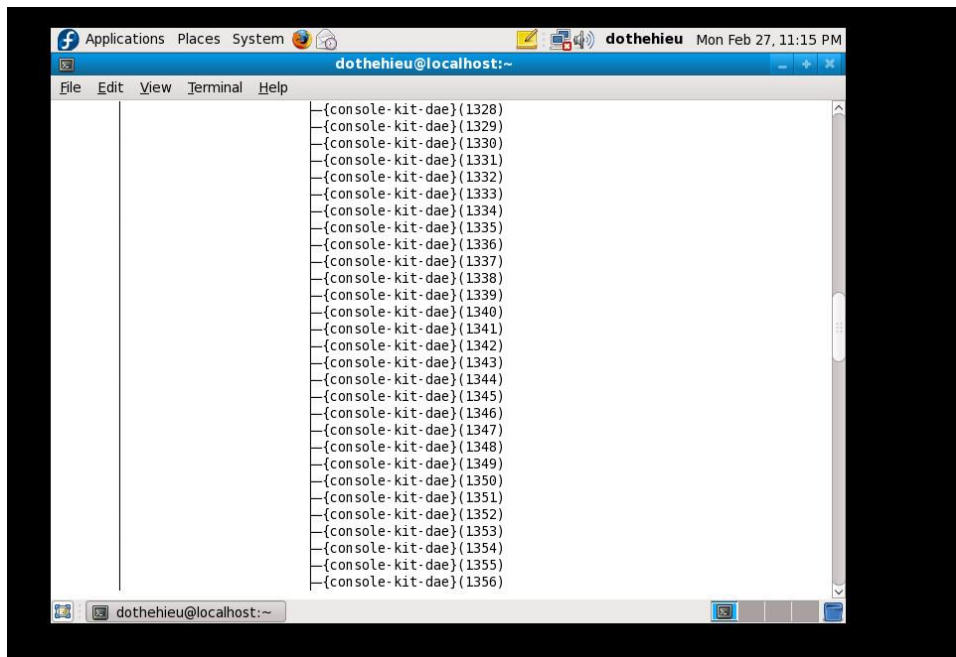
`pstree -np`

`pstree -np` command in Linux that shows the running processes as a tree which is a more convenient way display the processes hierarchy and makes the output more visually appealing.

Syntax:

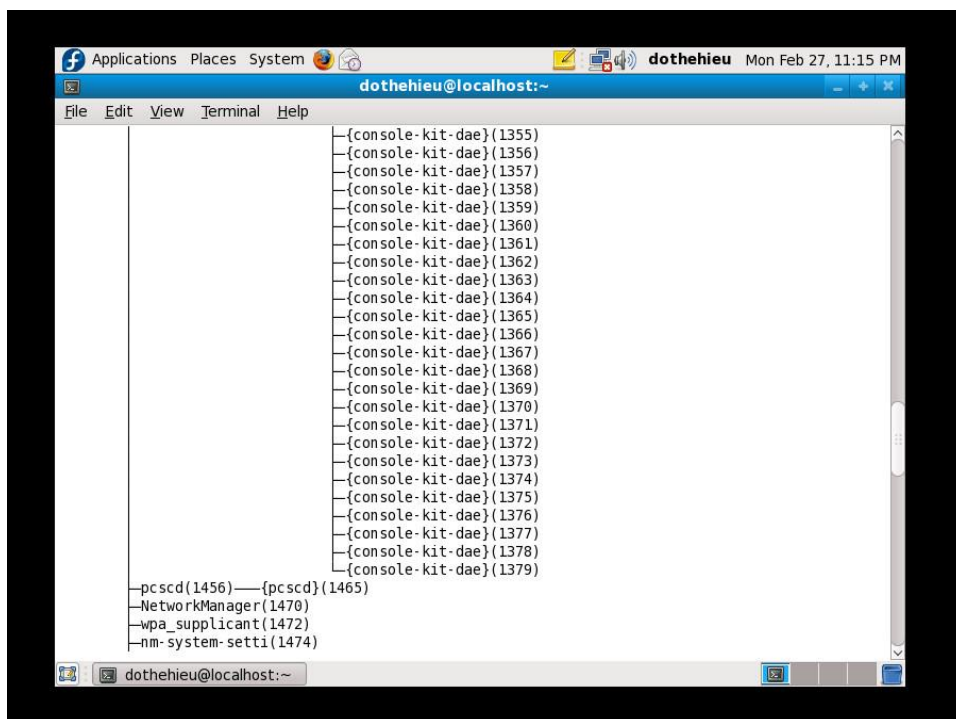
`pstree [options] [pid or username]`





A terminal window titled "dothehieu@localhost:~" showing a list of processes. The processes are all named "console-kit-daemon" and are listed with their PIDs in parentheses, ranging from 1328 to 1356. The window has a menu bar with "File", "Edit", "View", "Terminal", and "Help". The status bar at the bottom shows "dothehieu@localhost:~".

```
(console-kit-daemon) (1328)
(console-kit-daemon) (1329)
(console-kit-daemon) (1330)
(console-kit-daemon) (1331)
(console-kit-daemon) (1332)
(console-kit-daemon) (1333)
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(console-kit-daemon) (1354)
(console-kit-daemon) (1355)
(console-kit-daemon) (1356)
```

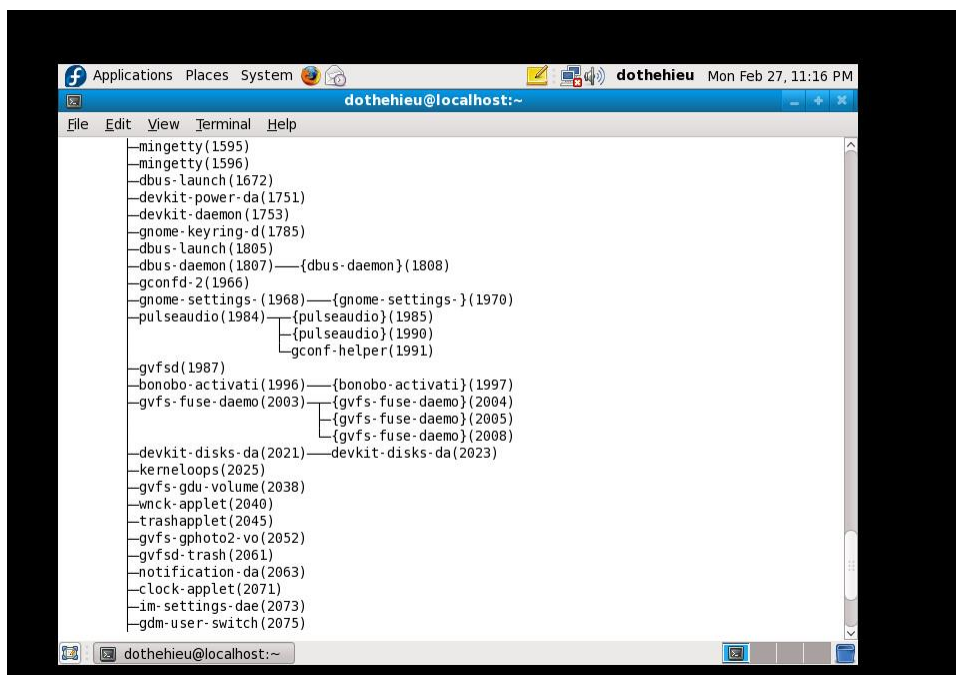
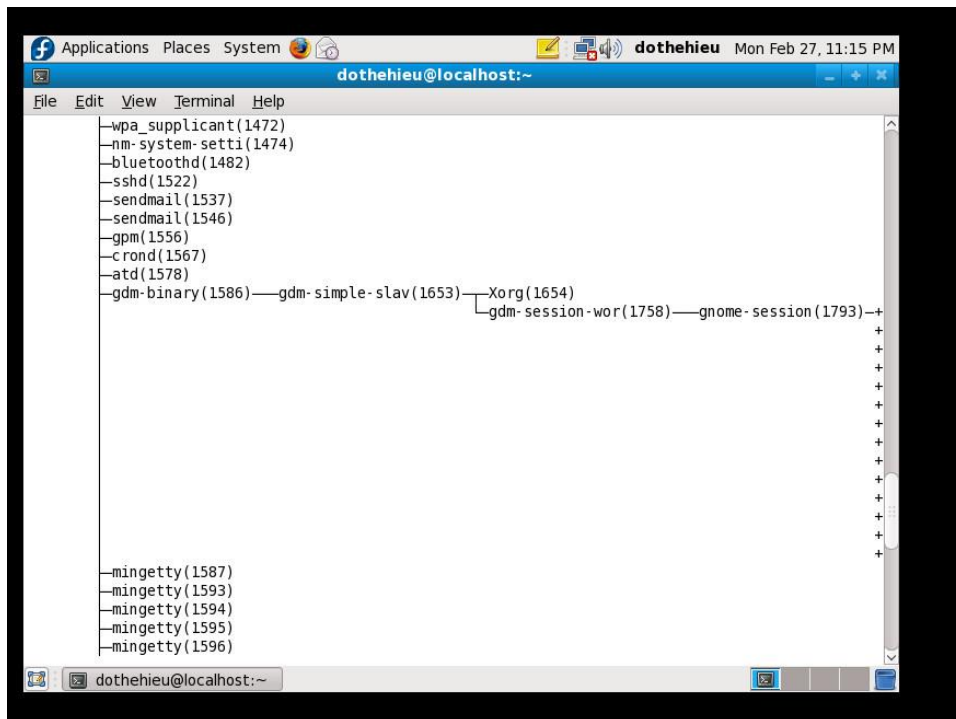


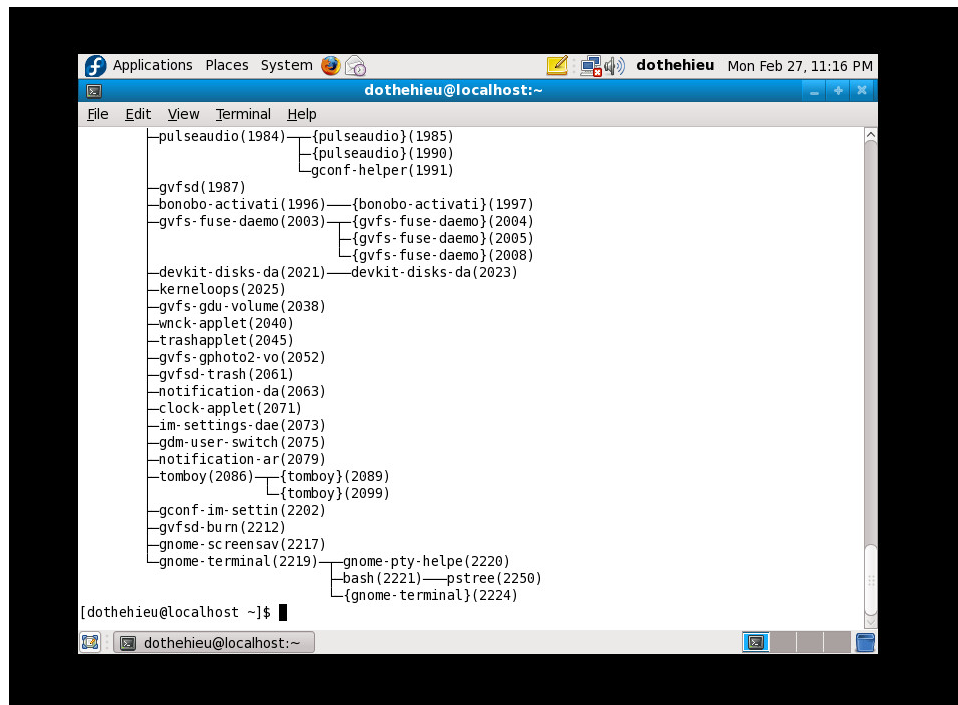
A terminal window titled "dothehieu@localhost:~" showing a list of processes. The processes are all named "console-kit-daemon" and are listed with their PIDs in parentheses, ranging from 1355 to 1379. Below this list, there are four other processes: "pcscd(1456)", "NetworkManager(1470)", "wpa_supplicant(1472)", and "nm-systemd-sett(1474)". The window has a menu bar with "File", "Edit", "View", "Terminal", and "Help". The status bar at the bottom shows "dothehieu@localhost:~".

```
(console-kit-daemon) (1355)
(console-kit-daemon) (1356)
(console-kit-daemon) (1357)
(console-kit-daemon) (1358)
(console-kit-daemon) (1359)
(console-kit-daemon) (1360)
(console-kit-daemon) (1361)
(console-kit-daemon) (1362)
(console-kit-daemon) (1363)
(console-kit-daemon) (1364)
(console-kit-daemon) (1365)
(console-kit-daemon) (1366)
(console-kit-daemon) (1367)
(console-kit-daemon) (1368)
(console-kit-daemon) (1369)
(console-kit-daemon) (1370)
(console-kit-daemon) (1371)
(console-kit-daemon) (1372)
(console-kit-daemon) (1373)
(console-kit-daemon) (1374)
(console-kit-daemon) (1375)
(console-kit-daemon) (1376)
(console-kit-daemon) (1377)
(console-kit-daemon) (1378)
(console-kit-daemon) (1379)
pcscd(1456)
NetworkManager(1470)
wpa_supplicant(1472)
nm-systemd-sett(1474)
```

pstree -np:

Display process identifier or PID and sort processes by PID instead of name with flag.



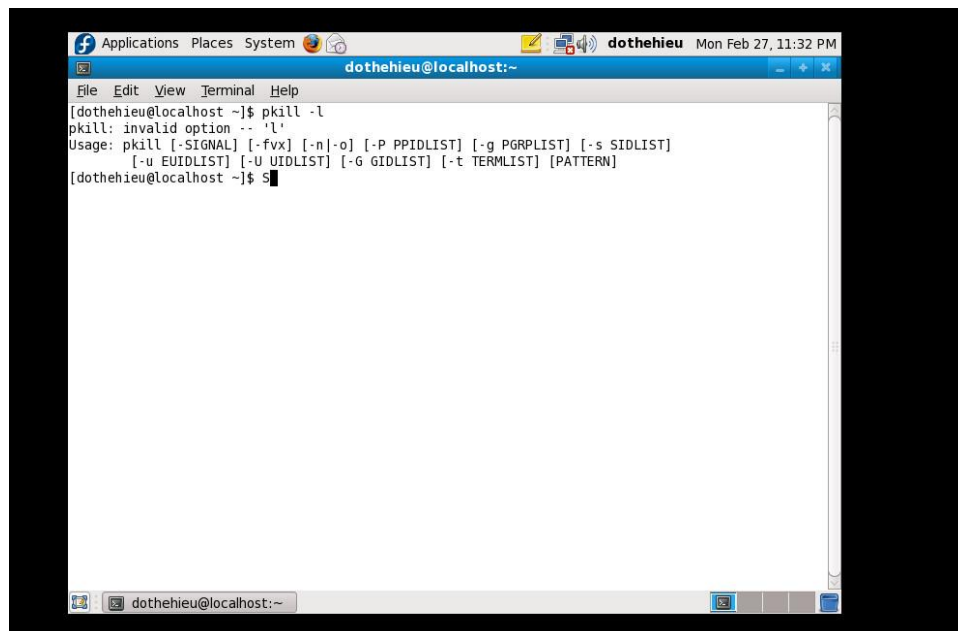


kill

kill is a command-line utility that sends signals to the processes of a running program based on given criteria.

Syntax:

kill [option] <pattern>

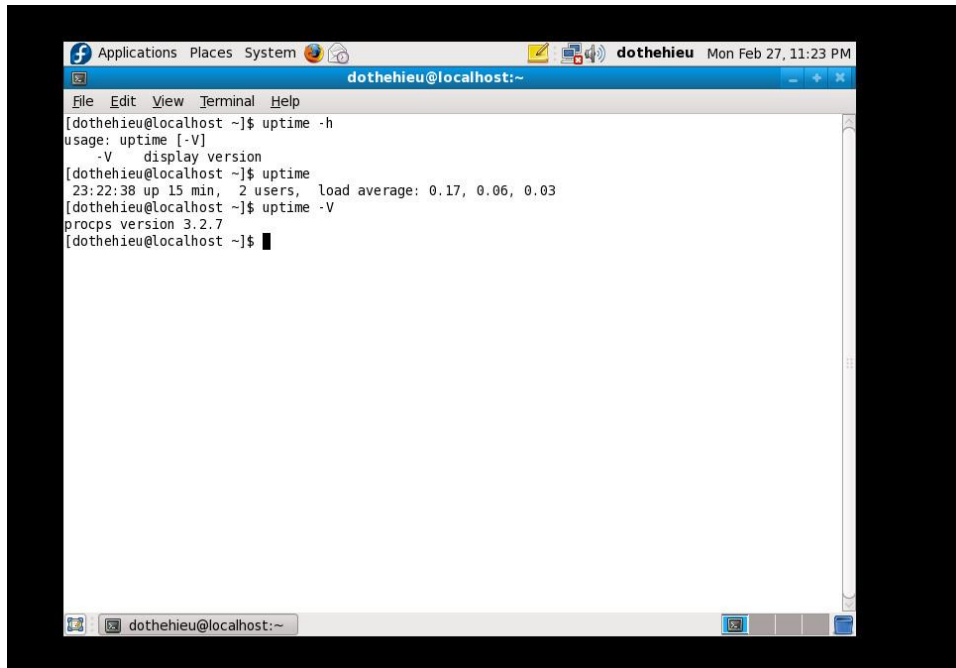


uptime

Uptime is used to find out how long the system is active (running).

Syntax:

Uptime [-options]

A screenshot of a Linux terminal window. The window title is "dothehieu@localhost:~". The terminal shows the following commands and output:

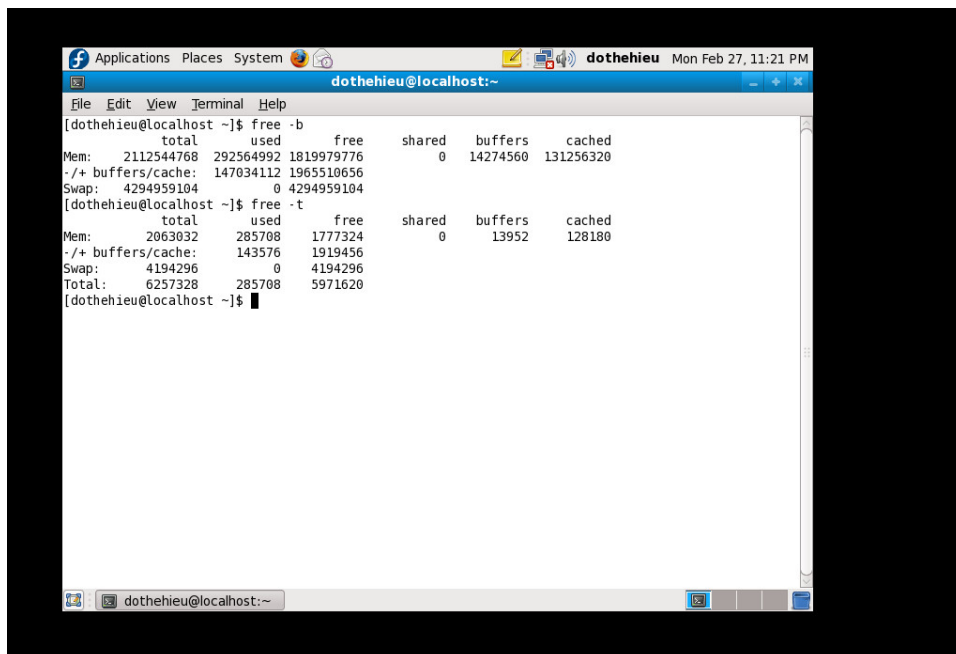
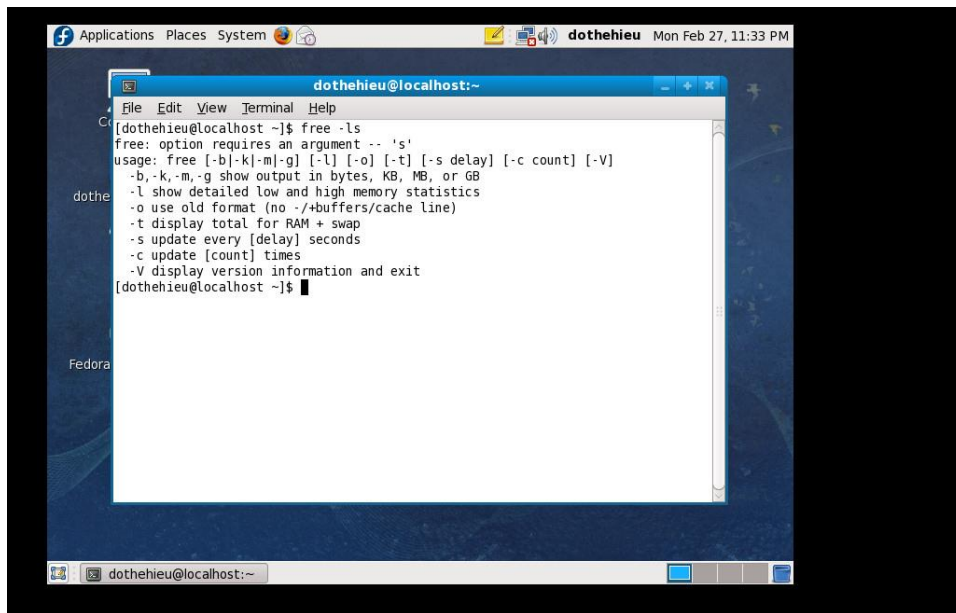
```
[dothehieu@localhost ~]$ uptime -h
usage: uptime [-V]
        -V      display version
[dothehieu@localhost ~]$ uptime
23:22:38 up 15 min,  2 users,  load average: 0.17, 0.06, 0.03
[dothehieu@localhost ~]$ uptime -V
procps version 3.2.7
[dothehieu@localhost ~]$
```

free

Free command displays the total amount of free space available along with the amount of memory used and swap memory in the system, and also the buffers used by the kernel.

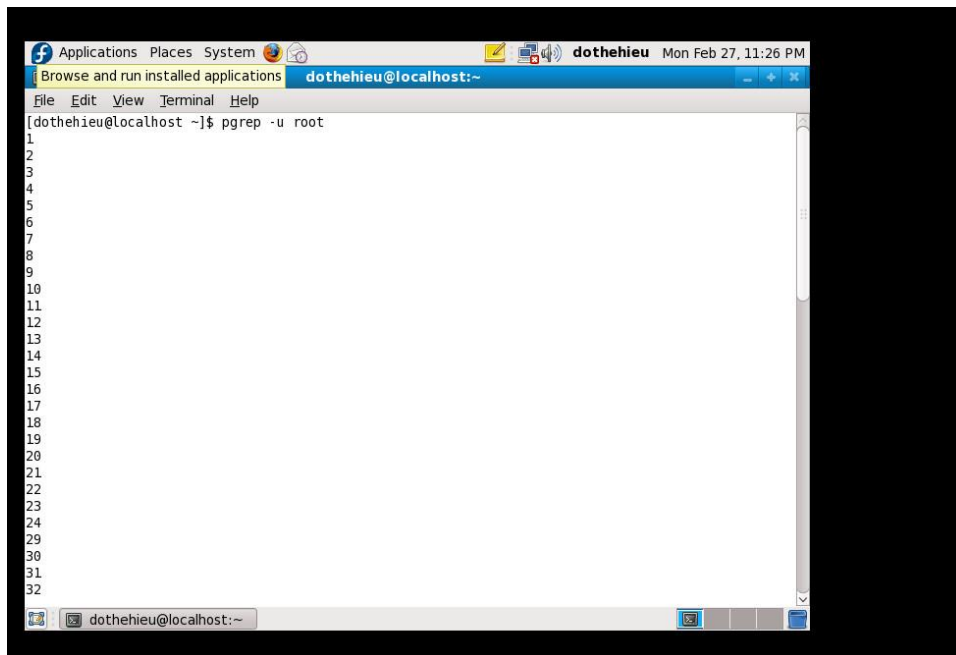
Syntax:

Free [OPTION]



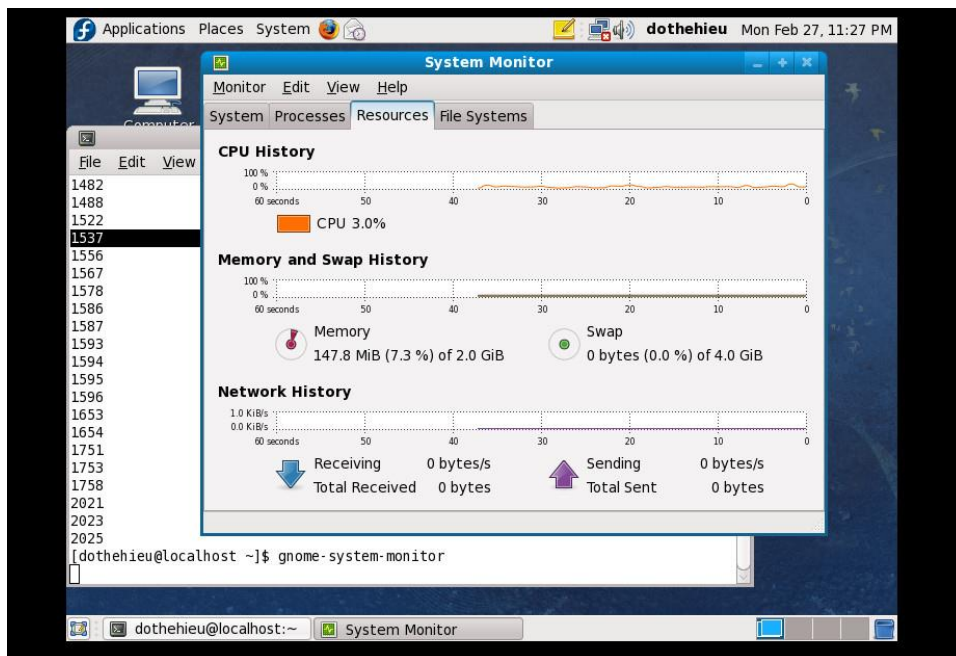
pgrep -u root

Show all processes related to root user (most powerful user)



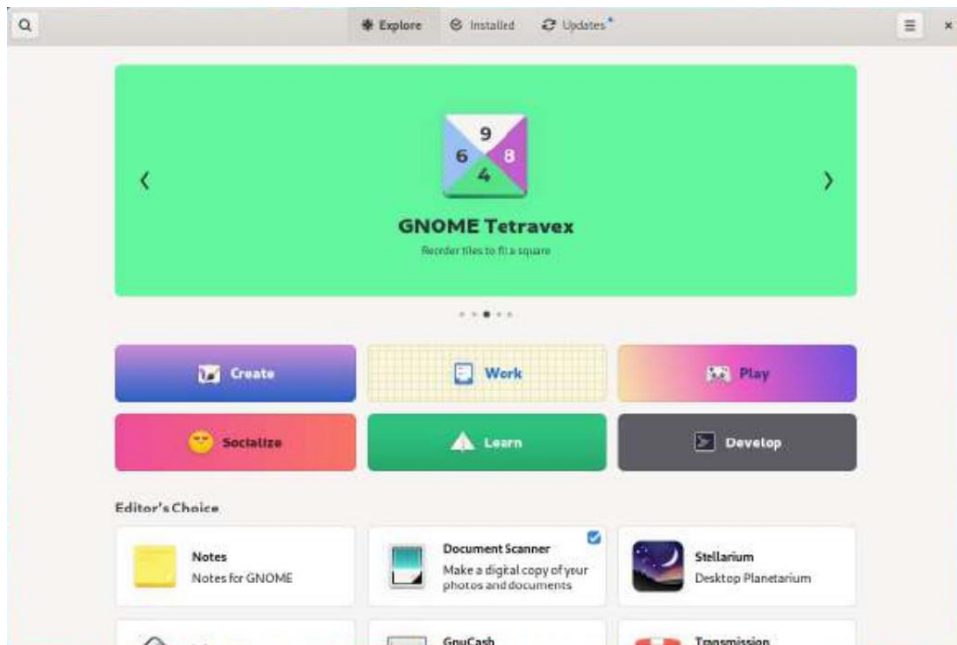
Open "Task Manager" in Fedora:

By command:



By GUI:

Open "Add/Remove Program" in Fedora:



Click System -> Administration

