

3rd Assignment: *Monitoring*

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May 9, 2015

Responen les següents preguntes sobre monitorització:

- Per la comanda 'ps', determineu quines opcions a la línia de comandes s'han de fer servir per poder veure una sortida "a mida" que contingui: username de l'usuari que està executant el procés, PID, processador en el que ha corregut, estat d'execució i arguments.
- És possible amb aquesta sortida determinar quins són en cada moment els processadors que estan executant un procés d'usuari?, i quin és aquest procés?
- A la comanda top, esbrineu quina opció interactiva permet visualitzar els processadors, juntament amb els processos que cadascun està executant

Customize 'ps' command to show more readable info:

- `$ ps -e -o pid,pcpu,pmem,ttty,time,uname,cmd --headers`

Determine with `ps` at each moment what are the processors that are executing a certain process:

Due to the process execution policy typical of *Unix*, called *Round Robin*, since processes are constantly switching from one state to another (ready, waiting, running, etc.), it becomes quite difficult to determine at each moment what is the processor executing each process of a user with the `ps` command.

In order to recover that information, the `top` command becomes much more appropriate to display that information as it updates displayed content periodically. Even that, processes switch between states much faster than the typical update period.

Determine the interactive option that allows the visualization of the processor that runs each process:

In order to visualise the processors and the processes being run at each one, by pressing `1` when using `top`, the program adds information relative to the processors.