**Processes Cheatsheet**

| Command | Purpose |
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| ps -ef | Show every process with full output |
| ps -ejH | Show process hierarchy (tree) |
| pstree | Show more graphical process tree |
| ps -efL | Show process threads |
| ps -efZ | Show processes with SELinux security context |
| ps -u root -f | Show all processes run by root with full output |
| ps -eo pid,ni,pri,stat,comm | Show customizable output fields |
| ps -C firefox -o pid= | Show process IDs of a specific process (firefox) |
| ps -f -t tty1 | Show all processes running on terminal (tty1) |
| ps -eo pid,user,args --sort user | Show all process ids,users and args sorted by user |
| ps -u root -eo start,pid,args | Show all processes args run by a user with start time |
| pgrep -u root sshd | Grep for sshd processes run by root |
| pgrep -u root,bob sshd | Grep for sshd processes run by root OR bob |
| ps -fp $(pgrep -d, -x firefox) | Give detailed statistics on all firefox processes |
| kill 25045 | Kill process 25045 nicely |
| kill -9 25045 | Kill process 25045 forcibly |
| kill -HUP 25045 | Send process 25045 hangup signal (reread config) |
| pkill firefox | Kill all processes named firefox nicely |
| pkill -9 firefox | Kill all processes named firefox forcibly |
| kill -HUP firefox | Send process named firefox hangup signal |
| nice -10 cp | Run cp with a nice level of +10 |
| nice --10 cp | Run cp with nice level of -10 |
| renice -10 cp | Change nice value of running process (cp) |
| top | Show top processes by resource |
| lsof | List open files (running programs from disk) |
| lsof -u root | List open files owned by root |
| nohup cp -av /media /backup & | Run a command that will will survive a logout |
| pidof crond | List process ID of crond |