

Universidad de San Carlos de Guatemala

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• alber@raspberrypi:~/Desktop/sopes_lab $ make
make -C /lib/modules/6.6.31+rpt-rpi-2712/build M=/home/alber/Desktop/sopes_lab modules
make[1]: Entering directory '/usr/src/linux-headers-6.6.31+rpt-rpi-2712'
make[1]: Leaving directory '/usr/src/linux-headers-6.6.31+rpt-rpi-2712'
• alber@raspberrypi:~/Desktop/sopes_lab $ sudo insmod sysinfo.ko
• alber@raspberrypi:~/Desktop/sopes_lab $ cat /proc/sysinfo
Total RAM: 2061412 KB
Free RAM: 1663476 KB
Shared RAM: 5240 KB
Buffer RAM: 10124 KB
Total Swap: 0 KB
Free Swap: 0 KB
Number of processes: 4

Parent Process: systemd [PID: 1]
Child Process: systemd-journal [PID: 302]
Child Process: systemd-udev [PID: 332]
Child Process: systemd-timesyn [PID: 653]
Child Process: accounts-daemon [PID: 658]
Child Process: avahi-daemon [PID: 661]
Child Process: cron [PID: 662]
Child Process: dbus-daemon [PID: 665]
Child Process: polkitd [PID: 669]
Child Process: systemd-logind [PID: 674]
Child Process: thd [PID: 675]
Child Process: udisksd [PID: 676]
Child Process: bluetoothd [PID: 707]
Child Process: NetworkManager [PID: 800]
Child Process: wpa_supplicant [PID: 820]
Child Process: ModemManager [PID: 830]
Child Process: lightdm [PID: 852]
Child Process: sshd [PID: 861]
Child Process: systemd [PID: 948]
Child Process: rtkit-daemon [PID: 989]
Child Process: sh [PID: 1105]
Child Process: sh [PID: 1108]
Child Process: applet.py [PID: 1118]
Child Process: systemd-inhibit [PID: 1127]
Child Process: polkit-mate-aut [PID: 1135]
Child Process: menu-cached [PID: 1282]
Child Process: login [PID: 1425]
Child Process: agetty [PID: 1426]
Child Process: cupsd [PID: 1917]
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Parent Process: kthreadd [PID: 2]
Child Process: pool_workqueue_ [PID: 3]
Child Process: kworker/R-rcu_g [PID: 4]
Child Process: kworker/R-rcu_p [PID: 5]
Child Process: kworker/R-slub_ [PID: 6]
Child Process: kworker/R-netns [PID: 7]
Child Process: kworker/0:0 [PID: 8]
Child Process: kworker/0:1 [PID: 10]
Child Process: kworker/u8:0 [PID: 11]
Child Process: kworker/R-mm_pe [PID: 12]
Child Process: rcu_tasks_kthre [PID: 13]
Child Process: rcu_tasks_rude_ [PID: 14]
Child Process: rcu_tasks_trace [PID: 15]
Child Process: ksoftirqd/0 [PID: 16]
Child Process: rcu_preempt [PID: 17]
Child Process: migration/0 [PID: 18]
Child Process: cpuhp/0 [PID: 19]
Child Process: cpuhp/1 [PID: 20]
Child Process: migration/1 [PID: 21]
Child Process: ksoftirqd/1 [PID: 22]
Child Process: cpuhp/2 [PID: 25]
Child Process: migration/2 [PID: 26]
Child Process: ksoftirqd/2 [PID: 27]
Child Process: kworker/2:0 [PID: 28]
Child Process: cpuhp/3 [PID: 30]
Child Process: migration/3 [PID: 31]
Child Process: ksoftirqd/3 [PID: 32]
Child Process: kworker/u9:0 [PID: 35]
Child Process: kworker/u10:0 [PID: 36]
Child Process: kworker/u12:0 [PID: 38]
Child Process: kdevtmpfs [PID: 39]
Child Process: kworker/R-inet_ [PID: 40]
Child Process: kauditd [PID: 42]
Child Process: kworker/0:2 [PID: 43]
Child Process: khungtaskd [PID: 44]
Child Process: oom_reaper [PID: 45]
Child Process: kworker/R-write [PID: 46]
Child Process: kcompactd0 [PID: 47]
Child Process: kworker/R-kinte [PID: 48]
Child Process: kworker/R-kbloc [PID: 49]
Child Process: kworker/R-blkcg [PID: 50]
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Child Process: kworker/3:0H [PID: 2938]

Parent Process: pool_workqueue_ [PID: 3]

Parent Process: kworker/R-rcu_g [PID: 4]

Parent Process: kworker/R-rcu_p [PID: 5]

Parent Process: kworker/R-slub_ [PID: 6]

Parent Process: kworker/R-netns [PID: 7]

Parent Process: kworker/0:0 [PID: 8]

Parent Process: kworker/0:1 [PID: 10]

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Parent Process: migration/0 [PID: 18]

Parent Process: cpuhp/0 [PID: 19]

Parent Process: cpuhp/1 [PID: 20]

Parent Process: migration/1 [PID: 21]

Parent Process: ksoftirqd/1 [PID: 22]

Parent Process: cpuhp/2 [PID: 25]

Parent Process: migration/2 [PID: 26]

Child Process: code-b1c0a14de1 [PID: 2175]
Child Process: sleep [PID: 3035]

Parent Process: code-b1c0a14de1 [PID: 2175]

Parent Process: node [PID: 2201]
Child Process: node [PID: 2298]
Child Process: cpptools [PID: 2353]

Parent Process: node [PID: 2212]

Parent Process: sh [PID: 2266]

Parent Process: node [PID: 2298]

Parent Process: bash [PID: 2317]
Child Process: cat [PID: 3372]

Parent Process: cpptools [PID: 2353]

Parent Process: kworker/u11:0 [PID: 2745]

Parent Process: kworker/u12:3 [PID: 2746]

Parent Process: kworker/u10:1 [PID: 2747]

Parent Process: kworker/0:3 [PID: 2781]

Parent Process: kworker/1:0 [PID: 2867]

Parent Process: kworker/3:0 [PID: 2871]

Parent Process: kworker/2:2 [PID: 2899]

Parent Process: cpptools-srv [PID: 2921]

Parent Process: kworker/3:0H [PID: 2938]

Parent Process: sleep [PID: 3035]

Parent Process: cat [PID: 3372]

● alber@raspberrypi:~/Desktop/sopes_lab \$ sudo rmmod sysinfo

○ alber@raspberrypi:~/Desktop/sopes_lab \$