

Magic SysRq Cheat Sheet

Enable the Magic SysRq key at compile time: `set CONFIG_MAGIC_SYSRQ`
Enable the Magic SysRq key at runtime: `echo 1 > /proc/sys/kernel/sysrq`
Disable the Magic SysRq key at runtime: `echo 0 > /proc/sys/kernel/sysrq`
Use the Magic SysRq key without a keyboard: `echo KEY > /proc/sysrq-trigger`

Use the Magic SysRq key: Press **Alt-SysRq-KEY**.

- r** Turns off keyboard raw mode and sets it to XLATE. Very handy when your X server or a `svgalib` program crashes.
- k** Secure Access Key (SAK) Kills all programs on the current virtual console. Useful when you want to be sure there are no trojan program is running at console and which could grab your password when you would try to login , or when you want to exit a program that will not let you switch consoles.
- b** Will immediately reboot the system without syncing or unmounting your disks. You should sync and `umount` first.
- c** Will perform a `kexec` reboot in order to take a crashdump. Useful when the system is hung.
- o** Will shut your system off (if configured and supported).
- s** Will attempt to sync all mounted filesystems. Note that the sync hasn't taken place until you see the "OK" and "Done" appear on the screen.
- u** Will attempt to remount all mounted filesystems read-only. Note that the remount hasn't taken place until you see the "OK" and "Done" appear on the screen.
- p** Will dump the current registers and flags to your console.
- t** Will dump a list of current tasks and their information to your console.
- m** Will dump current memory info to your console.
- v** Dumps Voyager SMP processor info to your console.
- 0-9** Sets the console log level, controlling which kernel messages will be printed to your console. ('0', for example would make it so that only emergency messages like PANICs or OOPSes would make it to your console). Useful when your console is being flooded with kernel messages.
- f** Will call `oom_kill` to kill a memory hog process
- e** Send a `SIGTERM` to all processes, except for `init`.
- i** Send a `SIGKILL` to all processes, except for `init`.
- l** Send a `SIGKILL` to all processes, *including* `init`. (Your system will be non-functional after this.)
- h** Display help