# Grsecurity/Appendix/Sysctl Options

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Below is a table of every available option in grsecurity that can be changed at runtime. The options can be changed using the sysctl interface, or by echoing values to files in */proc/sys/kernel/grsecurity/*. Available options vary depending on how grsecurity was configured. See Configuring and Installing grsecurity and Runtime configuration for more information.

To find out what options are available in your system, list the contents of */proc/sys/kernel/grsecurity*. If you use the `sysctl` interface, all of grsecurity's option are prefixed with kernel.grsecurity (e.g. kernel.grsecurity.audit_chdir).

Clicking an option will take you to or at least close to its description in another appendix page.

All sysctl variables

| Auditing | Chroot restrictions | Network-based features | Misc. options |
|---|---|---|---|
| • audit_chdir<br>• audit_gid<br>• audit_group<br>• audit_mount<br>• audit_ptrace<br>• chroot_execlog<br>• exec_logging<br>• forkfail_logging<br>• resource_logging<br>• rwxmap_logging<br>• signal_logging<br>• timechange_logging | • chroot_caps<br>• chroot_deny_chmod<br>• chroot_deny_chroot<br>• chroot_deny_fchdir<br>• chroot_deny_mknod<br>• chroot_deny_mount<br>• chroot_deny_pivot<br>• chroot_deny_shmat<br>• chroot_deny_sysctl<br>• chroot_deny_unix<br>• chroot_enforce_chdir<br>• chroot_findtask<br>• chroot_restrict_nice | • harden_ipc<br>• ip_blackhole<br>• socket_all<br>• socket_all_gid<br>• socket_client<br>• socket_all_gid<br>• socket_client<br>• socket_client_gid<br>• socket_server<br>• socket_server_gid | • consistent_setxid<br>• deny_new_usb<br>• deter_bruteforce<br>• disable_priv_io<br>• dmesg<br>• enforce_symlinksifowner<br>• fifo_restrictions<br>• harden_ptrace<br>• lastack_retries<br>• linking_restrictions<br>• ptrace_readexec<br>• romount_protect<br>• symlinkown_gid<br>• tpe<br>• tpe_gid<br>• tpe_invert<br>• tpe_restrict_all |

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