

Syscall	Description
clone	Deny cloning new namespaces. Also gated by CAP_SYS_ADMIN for CLONE_* flags, except CLONE_NEWUSER .
create_module	Deny manipulation and functions on kernel modules. Obsolete. Also gated by CAP_SYS_MODULE .
delete_module	Deny manipulation and functions on kernel modules. Also gated by CAP_SYS_MODULE .
finit_module	Deny manipulation and functions on kernel modules. Also gated by CAP_SYS_MODULE .
get_kernel_syms	Deny retrieval of exported kernel and module symbols. Obsolete.
get_mempolicy	Syscall that modifies kernel memory and NUMA settings. Already gated by CAP_SYS_NICE .
init_module	Deny manipulation and functions on kernel modules. Also gated by CAP_SYS_MODULE .
ioperm	Prevent containers from modifying kernel I/O privilege levels. Already gated by CAP_SYS_RAWIO .
iopl	Prevent containers from modifying kernel I/O privilege levels. Already gated by CAP_SYS_RAWIO .
kcmp	Restrict process inspection capabilities, already blocked by dropping CAP_SYS_PTRACE .
kexec_file_load	Sister syscall of kexec_load that does the same thing, slightly different arguments. Also gated by CAP_SYS_BOOT .
kexec_load	Deny loading a new kernel for later execution. Also gated by CAP_SYS_BOOT .
keyctl	Prevent containers from using the kernel keyring, which is not namespaced.
lookup_dcookie	Tracing/profiling syscall, which could leak a lot of information on the host. Also gated by CAP_SYS_ADMIN .
mbind	Syscall that modifies kernel memory and NUMA settings. Already gated by CAP_SYS_NICE .
mount	Deny mounting, already gated by CAP_SYS_ADMIN .
move_pages	Syscall that modifies kernel memory and NUMA settings.
nfsservctl	Deny interaction with the kernel nfs daemon. Obsolete since Linux 3.1.
open_by_handle_at	Cause of an old container breakout. Also gated by CAP_DAC_READ_SEARCH .
perf_event_open	Tracing/profiling syscall, which could leak a lot of information on the host.
personality	Prevent container from enabling BSD emulation. Not inherently dangerous, but poorly tested, potential for a lot of kernel vulns.
pivot_root	Deny pivot_root , should be privileged operation.
process_vm_readv	Restrict process inspection capabilities, already blocked by dropping CAP_SYS_PTRACE .
process_vm_writev	Restrict process inspection capabilities, already blocked by dropping CAP_SYS_PTRACE .
ptrace	Tracing/profiling syscall. Blocked in Linux kernel versions before 4.8 to avoid seccomp bypass. Tracing/profiling arbitrary processes is already blocked by dropping CAP_SYS_PTRACE , because it could leak a lot of information on the host.
query_module	Deny manipulation and functions on kernel modules. Obsolete.
quotactl	Quota syscall which could let containers disable their own resource limits or process accounting. Also gated by CAP_SYS_ADMIN .
reboot	Don't let containers reboot the host. Also gated by CAP_SYS_BOOT .
request_key	Prevent containers from using the kernel keyring, which is not namespaced.
set_mempolicy	Syscall that modifies kernel memory and NUMA settings. Already gated by CAP_SYS_NICE .
setns	Deny associating a thread with a namespace. Also gated by CAP_SYS_ADMIN .
settimeofday	Time/date is not namespaced. Also gated by CAP_SYS_TIME .
stime	Time/date is not namespaced. Also gated by CAP_SYS_TIME .
swapon	Deny start/stop swapping to file/device. Also gated by CAP_SYS_ADMIN .

Syscall	Description
swapoff	Deny start/stop swapping to file/device. Also gated by CAP_SYS_ADMIN .
sysfs	Obsolete syscall.
_sysctl	Obsolete, replaced by /proc/sys.
umount	Should be a privileged operation. Also gated by CAP_SYS_ADMIN .
umount2	Should be a privileged operation. Also gated by CAP_SYS_ADMIN .
unshare	Deny cloning new namespaces for processes. Also gated by CAP_SYS_ADMIN , with the exception of unshare --user .
uselib	Older syscall related to shared libraries, unused for a long time.
userfaultfd	Userspace page fault handling, largely needed for process migration.
ustat	Obsolete syscall.
vm86	In kernel x86 real mode virtual machine. Also gated by CAP_SYS_ADMIN .
vm86old	In kernel x86 real mode virtual machine. Also gated by CAP_SYS_ADMIN .

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Run without the default seccomp profile

You can pass `unconfined` to run a container without the default seccomp profile.

```
$ docker run --rm -it --security-opt seccomp=unconfined debian:jessie \
  unshare --map-root-user --user sh -c whoami
```

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