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## seccomp listeners for nested containers

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Currently, seccomp listeners (created via `SECCOMP_FILTER_FLAG_NEW_LISTENER` [1]) are limited to a single listener per process [2]. This becomes problematic in nested container scenarios – for example, when an outer LXC runtime intercepts the `mknod` syscall while an inner container runtime needs to hook `sysinfo`. Today, container runtimes often work around this by disabling seccomp listeners when they detect confinement (see [3]). I propose discussing possible approaches to support multiple or nested listeners, user-space API design, and their kernel-level implications.

I've submitted a patchset on LKML [4].

[1] <https://github.com/seccomp/libseccomp/blob/9b9ea8e7a173b96e59fb21e8d461365110e7b4ef/src/system.c#L405C13-L405C45>

[2] <https://github.com/torvalds/linux/blob/fd94619c43360eb44d28bd3ef326a4f85c600a07/kernel/seccomp.c#L1926>

[3] <https://github.com/lxc/lxc/blob/faefb7b82878bec2398f52d8bbb78272d0f50dc5/src/lxc/seccomp.c#L1198>

[4] <https://lore.kernel.org/all/20251202115200.110646-1-aleksandr.mikhailitsyn@canonical.com/>

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