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## Seccomp Syscall Interception

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Recently the kernel landed seccomp support for `SECCOMP_RET_USER_NOTIF` which enables a process (watchee) to retrieve a fd for its seccomp filter. This fd can then be handed to another (usually more privileged) process (watcher). The watcher will then be able to receive seccomp messages about the syscalls having been performed by the watchee.

We have integrated this feature into userspace and currently make heavy use of this to intercept `mknod()` syscalls in user namespaces aka in containers.

If the `mknod()` syscall matches a device in a pre-determined whitelist the privileged watcher will perform the `mknod` syscall in lieu of the unprivileged watchee and report back to the watchee on the success or failure of its attempt. If the syscall does not match a device in a whitelist we simply report an error.

This talk is going to show how this works and what limitations we run into and what future improvements we plan on doing in the kernel.

### I agree to abide by the anti-harassment policy

Yes

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