

VCD2021 Entry

The KeyListen daemon

keylistend detects if you tap on the fingerprint sensor and starts an UT app. This is customizable and swipes are also supported.

How it works

- Simple C daemon opening event3 (fingerprint sensor actions)
- If an keypress is detected, start `ubuntu-app-launch` to start your app

How to use

- No root required, no rw rootfs required, just those two files
- Download <https://github.com/nift4/keylistend/releases/download/v0.1.0/keylistend> to /home/phablet/
- Download <https://github.com/nift4/keylistend/raw/master/keylistend.conf> to /home/phablet/.config/upstart/
- Run „start keylistend“ in the terminal
- Add an fingerprint in the settings app to make sure the sensor is active

Advantages

- Easy to install (only 2 files, no root, no rw rootfs)
- Lightweight (99% of it's lifetime is I/O wait, no cpu waste)
- Secure (no root privileges, special care to avoid memory bugs has been taken)
- Simple (77 lines of C)
- Configurable (you can configure tap and swipes in all directions via `keylistend.conf`, at the `exec` line)
- Compatible (doesn't break any other operations using the fingerprint)

Demo

- I will open the dialer app via an fingerprint tap
- For demonstration, I removed dialer from the favourites
- <https://github.com/nift4/keylistend/releases/download/v0.1.0/DemoVid.avi>

That's it!

Get the source at
<https://github.com/nift4/keylistend>