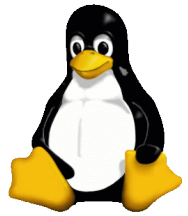


Fingerprint abstraction layer for Linux



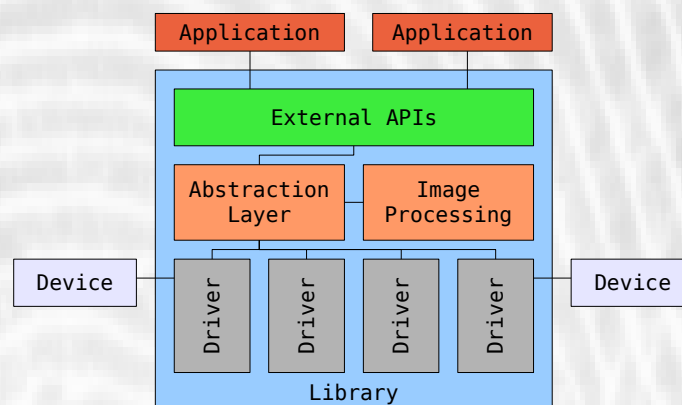
Objective: Make consumer fingerprint scanners usable in common Linux environments.

Today, consumer PC fingerprint scanning devices are cheap and widespread. Many modern laptops embed fingerprint readers, and standalone models can be purchased for approximately £20. There are several popular fingerprint sensing chips used in such products.

Linux users are currently out of luck when it comes to using their fingerprint scanners. Only one type is fully supported, a device which does image processing in hardware, and the software behind that has not seen much integration.



My project aims to generalise fingerprint scanning into a single simplified model, making it easy for application developers to integrate fingerprint scanning and verification into their software. A variety of vastly different fingerprint scanners will be supported internally through a driver-style abstraction.



For increased adoption, the software will be released as an open source project. The final stages of development will include integrating my work into existing software packages, such as the GNOME keyring and the PAM authentication system.