

Linux Arch fingerprint scanner that is unsupported by fprint

Links:

- <https://wiki.archlinux.org/title/fprint>
- <https://aur.archlinux.org/packages/yay>
- <https://github.com/uunicorn/python-validity>
- <https://wiki.archlinux.org/title/PAM>
- https://wiki.archlinux.org/title/Fprint#Login_configuration
- https://wiki.archlinux.org/title/SDDM#Using_a_fingerprint_reader

Prerequisites:

Make sure you can see the connected sensor by typing `lsusb`.

Steps:

1. Run `sudo pacman -Syu base-devel git`
2. Add AUR-Support as third-party source in “Add Software...”
3. Install yay by typing `sudo pacman -Syu yay`
4. Install python-validity by typing `yay -S python-validity`
5. Check service status with `sudo systemctl status python3-validity`
6. Start service with `sudo systemctl start python3-validity`
7. Run `fprintd-enroll` to enroll a finger
8. Check everything works fine with `fprintd-verify`
9. Add the following line to the top of `/etc/pam.d/sudo`:

```
auth      sufficient pam_fprintd.so
```

10. Add the following two lines at the top of the files: `login`, `system-local-login`, `system-login`, `system-auth` (and `sddm`):

```
auth      sufficient      pam_unix.so try_first_pass likeauth nullok
auth      sufficient      pam_fprintd.so
```

Now everything should work fine. You should be first asked for your PWD; but by typing Enter, you should be asked for your fingerprint scan; except for sudo requests: here you should only be asked for fingerprint scan.