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`.

Hint

After each step, make sure that everything works as expected! I can not guarantee no errors!

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
    ```

Conclusion

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.