

Another Trip Around The Sun

A Phosh status report

Guido Günther

2024-08-17

Outline

- 1 Introduction
- 2 A short look back
- 3 What's New
- 4 What's upcoming
- 5 Thanks
- 6 Comments, Missing things?
- 7 Other NEWS

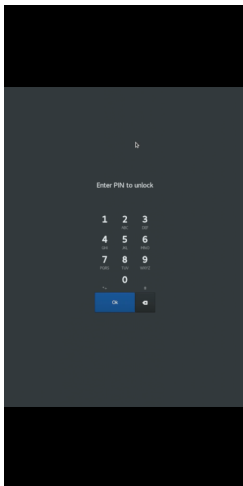
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About me

- Mobile Linux Hacker
- Debian Developer
- Phosh / GNOME contributor
- Freelancing Free Software Developer
- Daily driving Phosh since > 5y now

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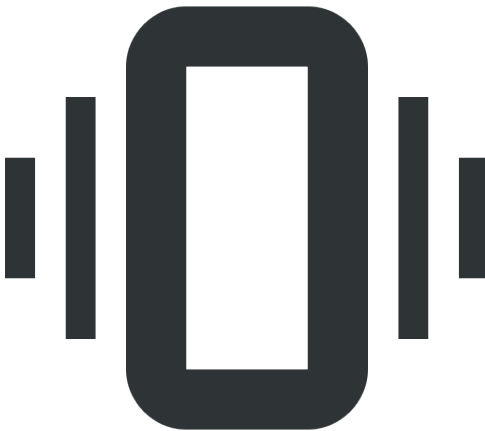
The early days



(rootston / virtboard / phosh)

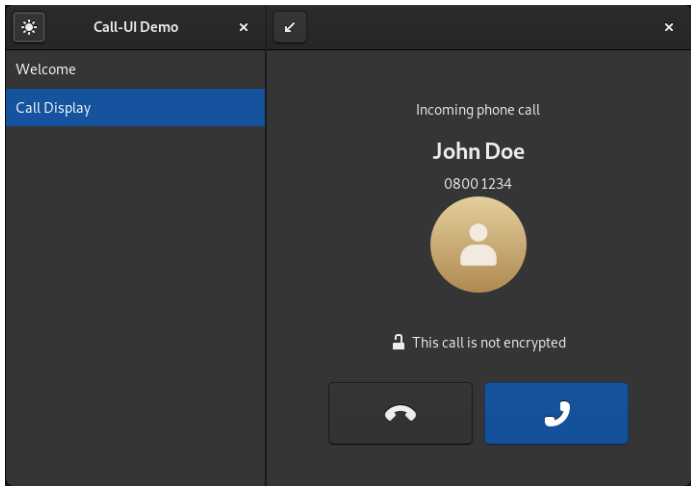
The switch

- Introduced phoc (initially based on rootston)
- Introduced squeekboard (based on eekboard)

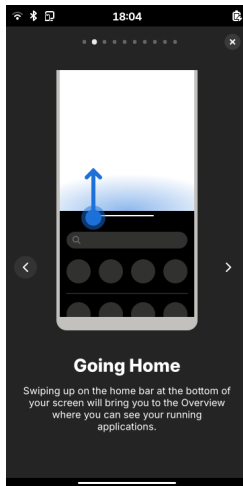


... train ride back from FOSDEM 2020

Added libcall-ui in 2021



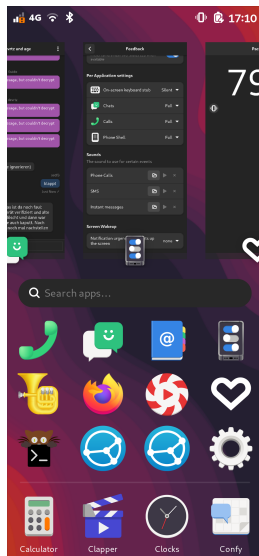
Compositor side swipe gestures and animations



Added gmobile in 2022

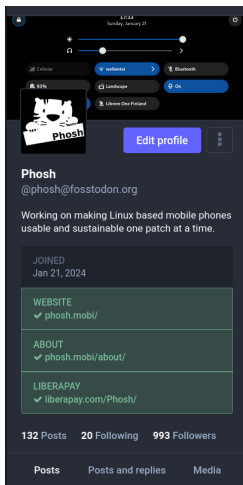
- suspend robust timers
- cutouts, notches rounded corners
- wake up keys

And that's where we are today



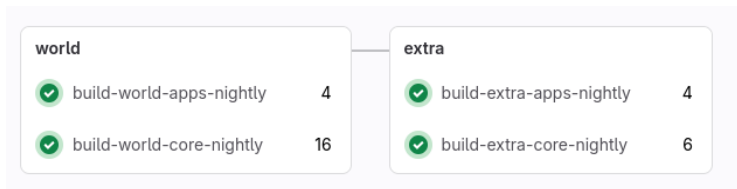
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Fediverse presence



<https://fosstodon.org/@phosh>

Nightly builds



<https://phosh.mobi/posts/phosh-nightly/>

<https://images.phosh.mobi/nightly/amd64/>

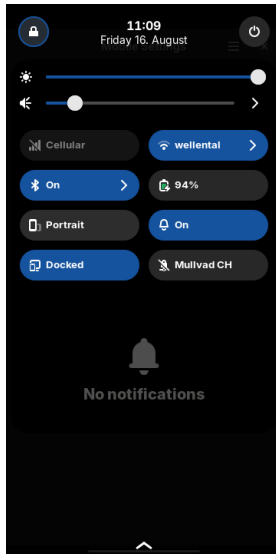
Longer release cycle

50% longer release cycle

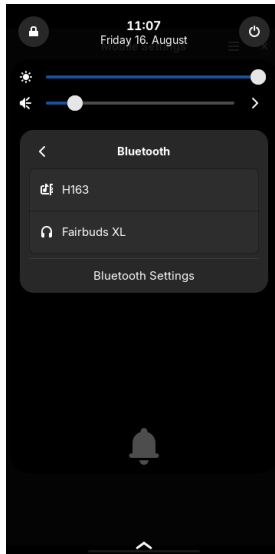
Longer release cycle

50% longer release cycle
6 weeks instead of 4 weeks

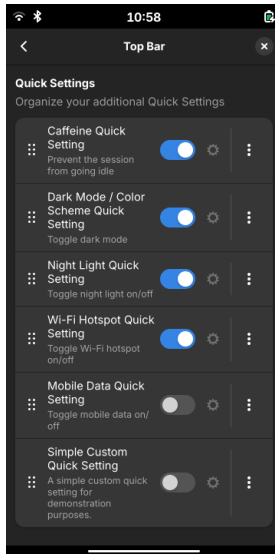
Quick Setting Status pages



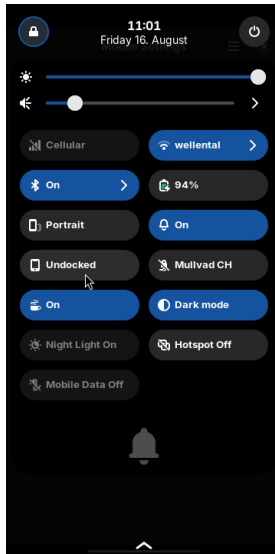
Quick Setting Status pages



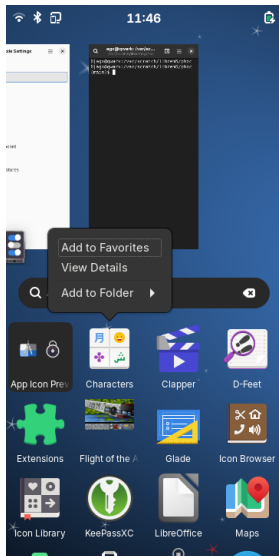
Quick Settings

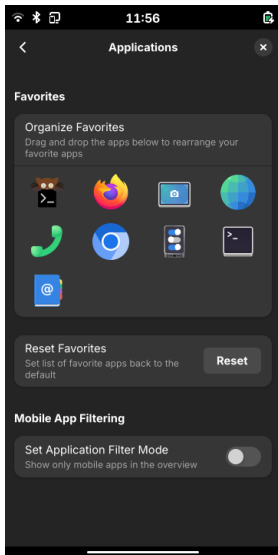


Quick Settings

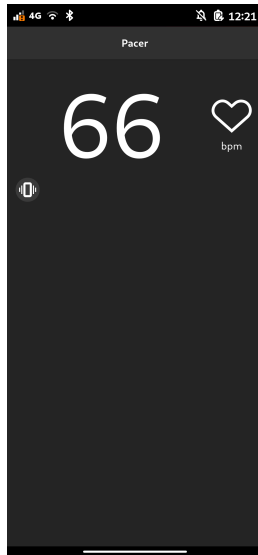


Folders

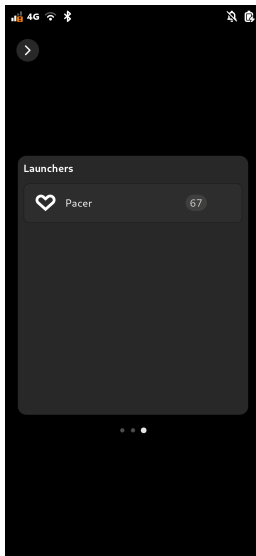




Lockscreen Plugins

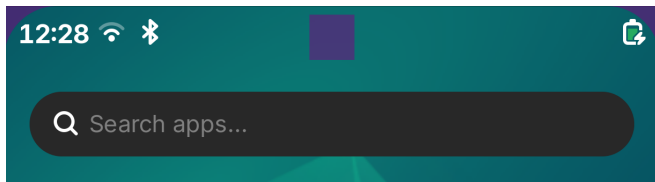


Lockscreen Plugins



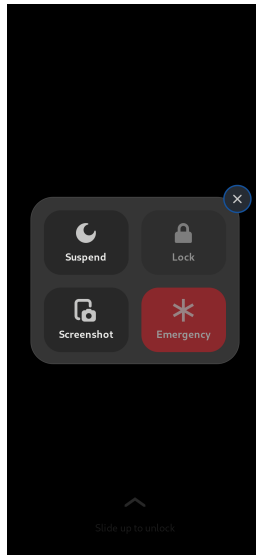
Count and progress in Launcher Box

Handle rounded corners



```
gm-display-panel-run-phosh -c fairphone,fp5
```

Suspend from lock screen



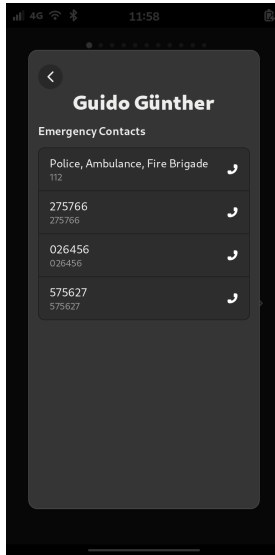
WakeUp Key support

```
#####  
# OnePlus  
#####  
  
## OnePlus 6  
gmobile:name:Volume keys:dt:oneplus,enchilada*  
  GM_WAKEUP_KEY_DEFAULT=0  
  
# OnePlus 6T  
gmobile:name:Volume keys:dt:oneplus,fajita*  
  GM_WAKEUP_KEY_DEFAULT=0  
  
#####  
# Pine64  
#####  
  
# PinePhone  
gmobile:name:1c21800.lradc:dt:pine64,pinephone-1.*  
  GM_WAKEUP_KEY_DEFAULT=0  
  
# PinePhone Pro  
gmobile:name:adc-keys:dt:pine64,pinephone-pro*  
  GM_WAKEUP_KEY_DEFAULT=0
```

Wakeup Key support

- Udev hwdb in gmobile, used by phoc
- Fixed kernel side for Librem 5
- Kernel improvement bits still pending

Emergency Calls

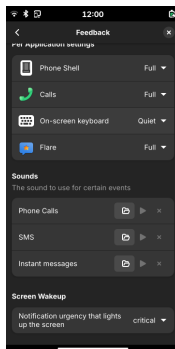


From SIM and by network country code

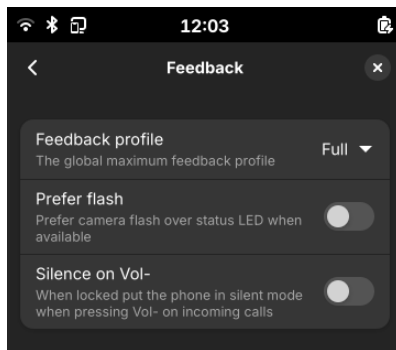
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Another Trip Around The Sun

Sound theme



- Based on Librem 5 sounds
- Phone hangup (plus support in Calls)
`fbcli -E phone-hangup`



- Support for hardware pattern LEDs
- Camera flash as status LED

`fbcli -E message-missed-instant`

- Rust bindings

Better defaults

- sound theme
- idle delay
- adaptive apps
- hide OSK apps
- unlock-sim
- . . .

Other improvements

- Plymouth theme
- Made home bar smaller
- Handle tablet mode switch for docked mode
- Media player progress bar

Wayland Compositor

- Always on top, move to corner, ...
 - Fling gesture
 - Track wlroots 0.17
 - Suggest window state changes when mouse/touch dragging
- scaling: <https://pad.riseup.net/p/phosh-scales-keep>

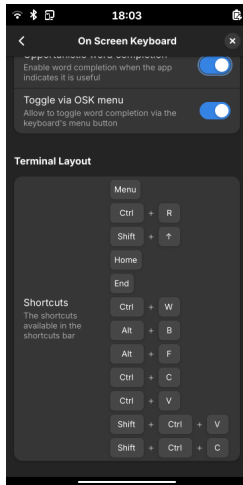
Squeekboard



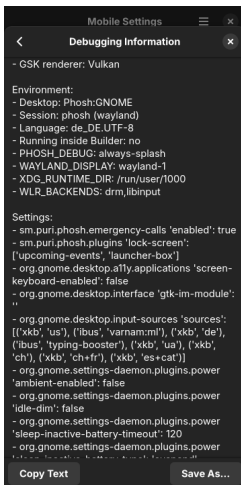
- New layouts
- Many layouts improved for usability
- More wide layouts

- Swipe close keyboard
- Open settings
- Many new layouts (include 5 row layouts)
- (Optionally) hide OSK if a hardware keyboard is present
- Support Presarge 2 / trie predictor
- Allow completer to capitalize words base on input
- Allow to ignore certain apps (like calculator)
- More flexible completion engine selection
- Add support for govnam completer for Indic scripts like Malayalam using "Manglish"
- Generate keymaps on the fly (allows us to support non-US layouts in "keyboard" mode)

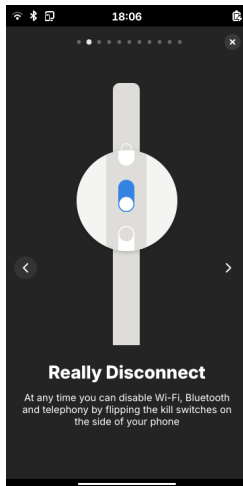
Mobile Settings



Mobile Settings



phosh-mobile-settings -d



- Allow to select pages based on hardware (e.g. Librem 5 Kill Switch page)

Rust bindings

Crate [libfeedback](#) 

[source](#) · [\[-\]](#)

Re-exports

```
pub use ffi;
```

Modules

[functions](#)

Structs

Event An event triggering feedback to the user

Enums

EventEndReason Enum values used to indicate why the feedbacks for an event ended. Enum values used to indicate why the feedbacks for an event ended.

EventState Enum values to indicate the current state of the feedbacks triggered by an event. Enum values to indicate the current state of the feedbacks triggered by an event.

Functions

init	Tries to initialize Lfb.
is_initialized	Returns <code>true</code> if Lfb has been initialized.
is_initialized_main_thread	Returns <code>true</code> if Lfb has been initialized and this is the main thread.
set_initialized^Δ	Informs this crate that Lfb has been initialized and the current thread is the main one.

• for libfeedback

Crate **libphosh** 

Modules

[prelude](#)

[subclass](#)

Structs

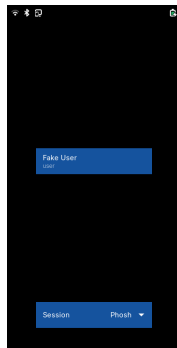
Lockscreen The main lock screen

Shell The shell singleton

WallClock Properties

- for phosh

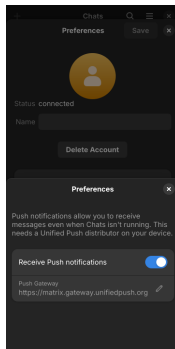
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- Could sunset Phog
- Uses libphosh-rs

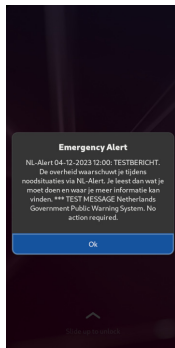
<https://github.com/samcdday/phrog>

Unified Push / Push notifications



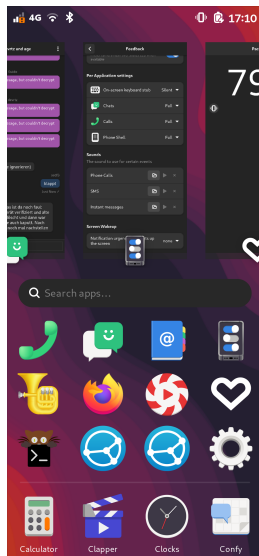
- Support in Chatty
- Integrate into "phosh" with process freezing, wake ups, etc

Cellbroadcast support



- ModemManager PoC
- Integration into Chatty
- Supported by NGI0 - thanks!

Wallpapers



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Thanks

To all the contributors, translators, users and people providing actionable feedback!



<https://phosh.mobi>

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Comments, what's missing?

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- overall: Build speedups by reducing number of generated meson targets