phosh: Yet another year around the sun!

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Pleased to make your acquaintance

$ whoami

- goes by devrtz
- Daily driving "Linux first" phones since early 2020
- Mobian member, Debian Developer
- Free Software Developer
- contributor to phosh / GNOME ecosystem
- founding member of Phosh.mobi e.V.

Before we begin

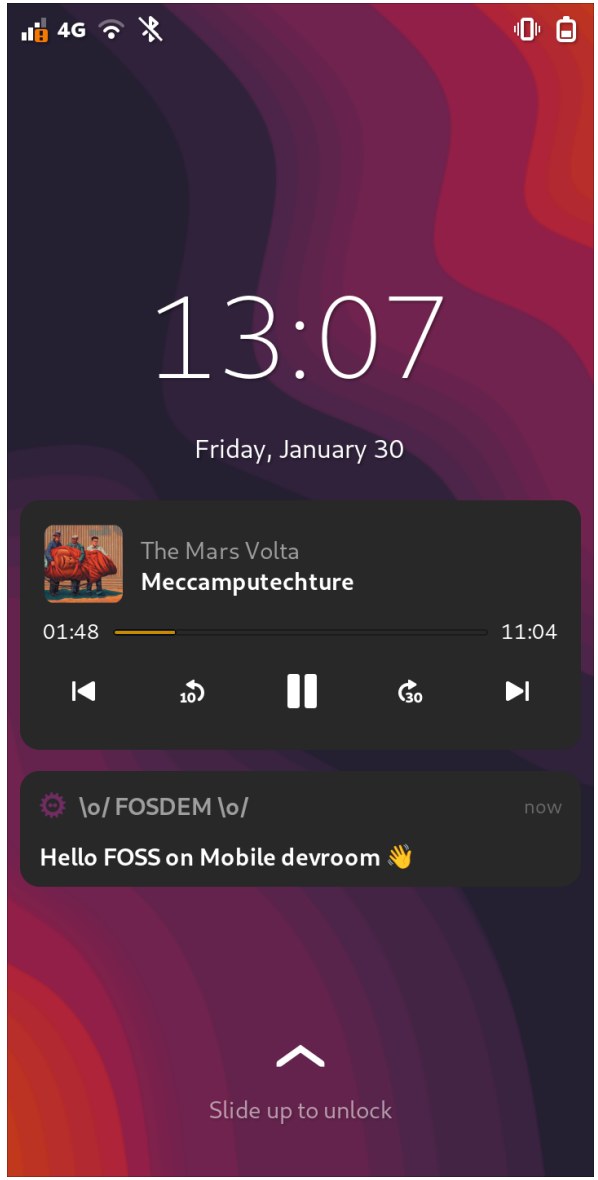
Disclaimer

This is a team effort.

Phosh_(Disambiguation)

- A graphical user interface for your (TM) mobile device
- Phosh in the (slightly) broader sense: Closely related components
- Phosh, the project

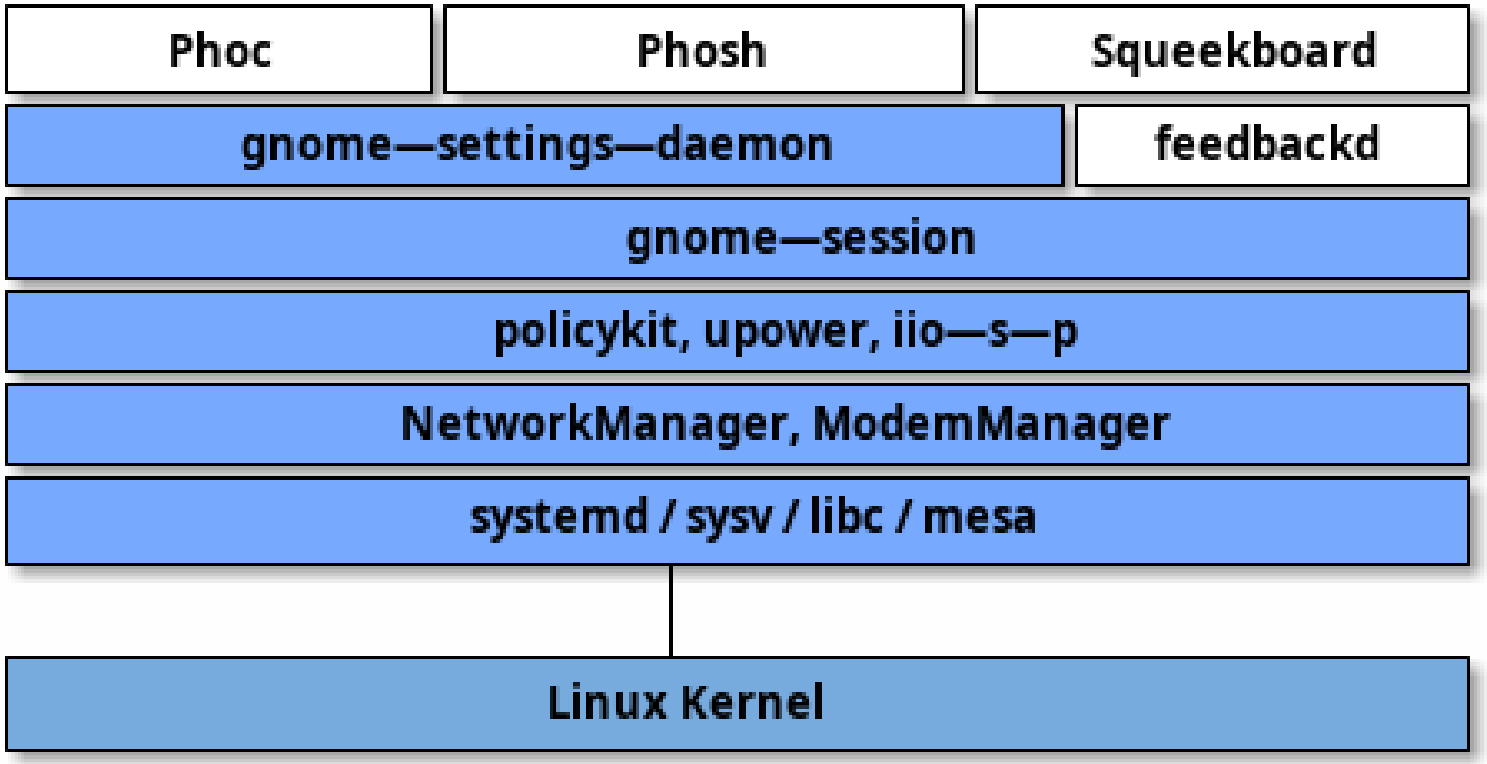
phosh - what it looks like



Plugins, lots of plugins

```
> $ dpkg -L phosh-plugins | grep 'so$'
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-caffeine-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-calendar.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-dark-mode-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-emergency-info.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-launcher-box.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-location-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-media-players.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-mobile-data-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-night-light-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-pomodoro-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-scaling-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-simple-custom-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-ticket-box.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-upcoming-events.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/libphosh-plugin-wifi-hotspot-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/prefs/libphosh-plugin-prefs-caffeine-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/prefs/libphosh-plugin-prefs-emergency-info.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/prefs/libphosh-plugin-prefs-pomodoro-quick-setting.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/prefs/libphosh-plugin-prefs-ticket-box.so
/usr/lib/x86_64-linux-gnu/phosh/plugins/prefs/libphosh-plugin-prefs-upcoming-events.so
```

The stack roughly



Standing on the shoulders of giants

Phosh in the (slightly) broader sense

The main cast

- phosh, phoc
- phosh-osk-stevia (formerly phosh-osk-stub)
- feedbackd, feedbackd-device-themes
- phosh-mobile-settings

Phosh in the (slightly) broader sense

The main cast

- phosh, phoc
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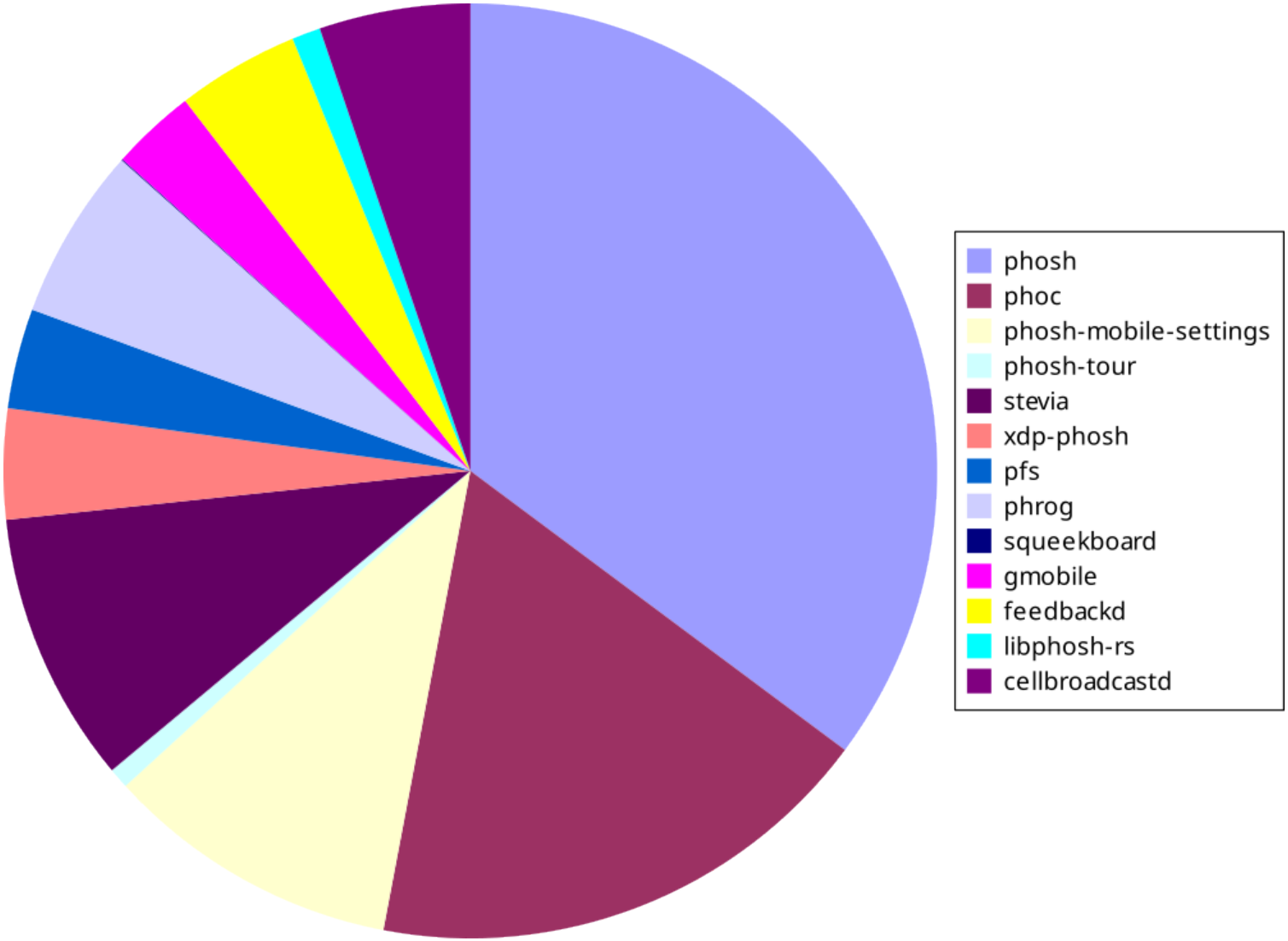
Lesser known (?)

- phosh-tour
- phog, phrog (greeter)
- libphosh, libphosh-rs, libcall-ui, gmobile
- xdg-desktop-portal-phosh, PhoshFileSelector
- PhoshEv, phosh-antispam, phom

Phosh activity



Commits by project in 2025

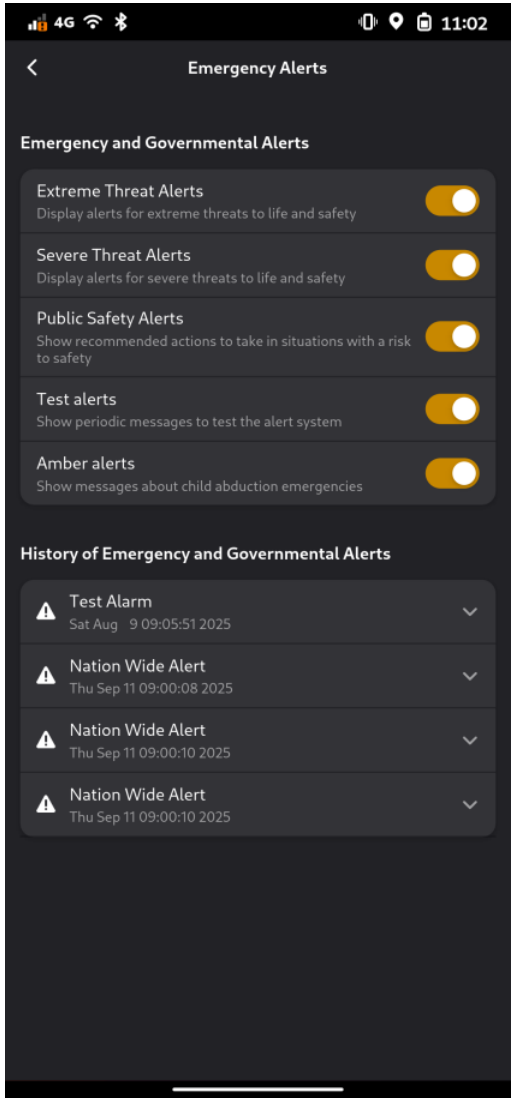
non-random Phosh stats

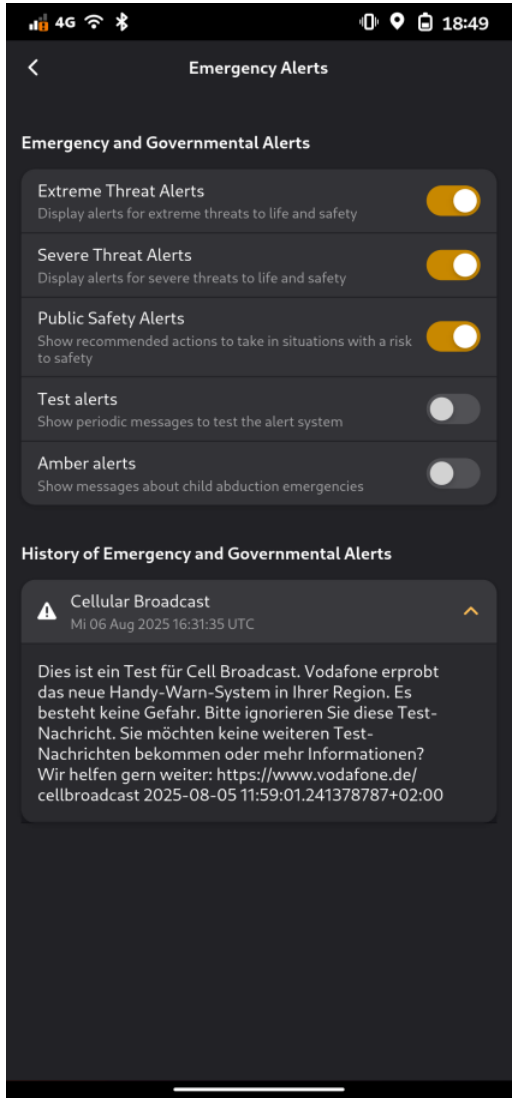
- 8 new stable releases and 3 bugfix releases since 2025-01-01
- translations available for 51 different locales

cell broadcast support

- ModemManager support; needs >=1.24
- phosh notifies of received CB messages
- cellbroadcastd (`cbd`) provides message store and allow configuration of subscribed channels
- historical data can be viewed in `p-m-s`
- thanks to NLnet! `https://nlnet.nl/project/SMS-CB/`

cell broadcast support

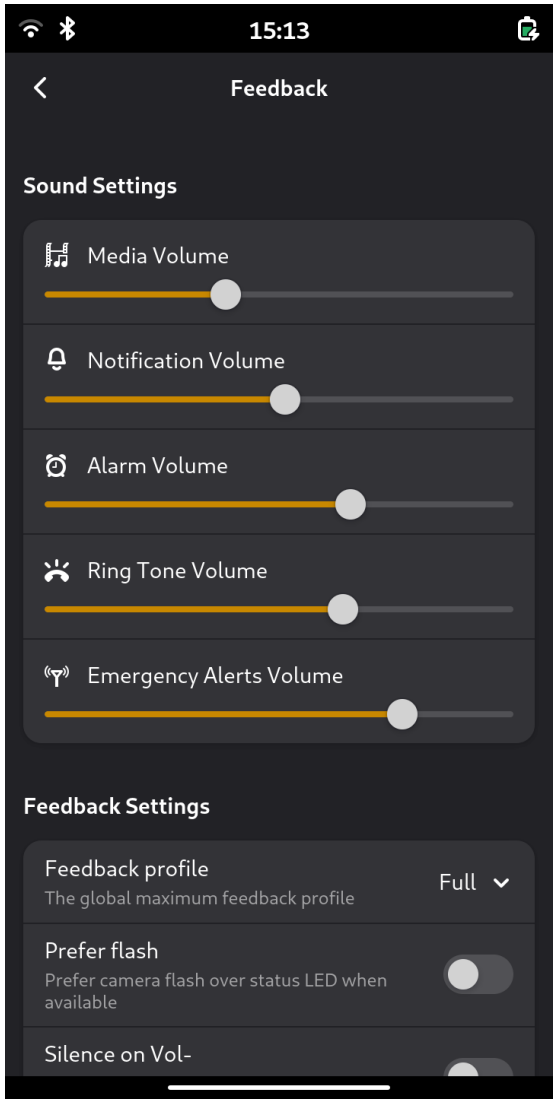




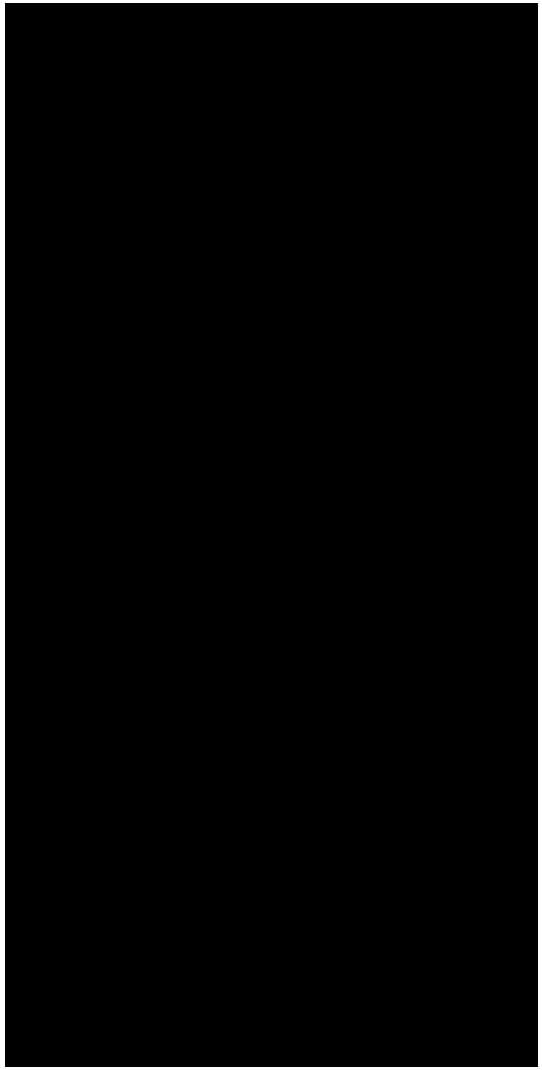
cell broadcast support

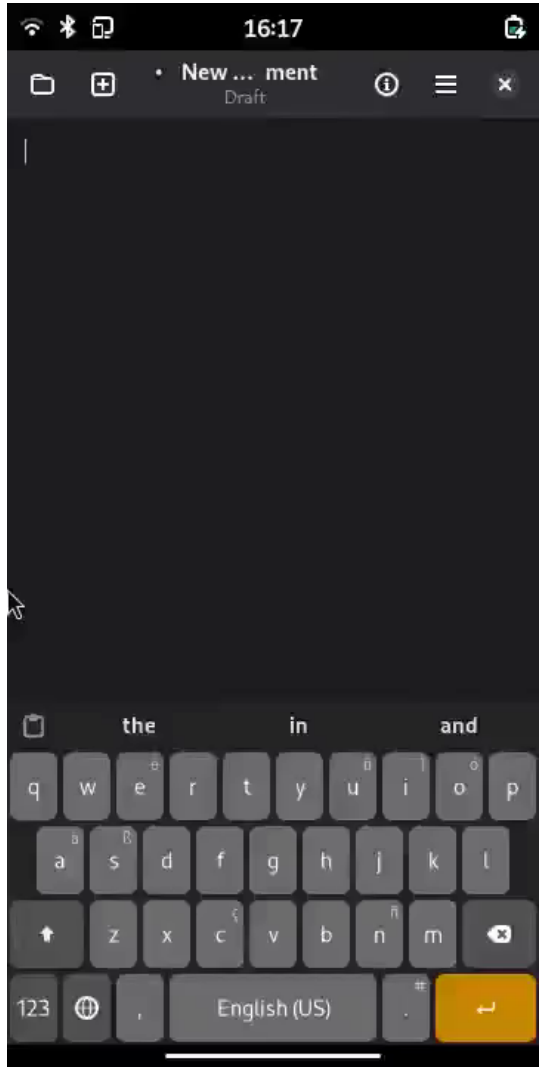
audio: rol(l|e) with it

- role based routing
- configure `feedbackd` with `-Dmedia-roles=true`
- `https://phosh.mobi/posts/role-based-routing/`



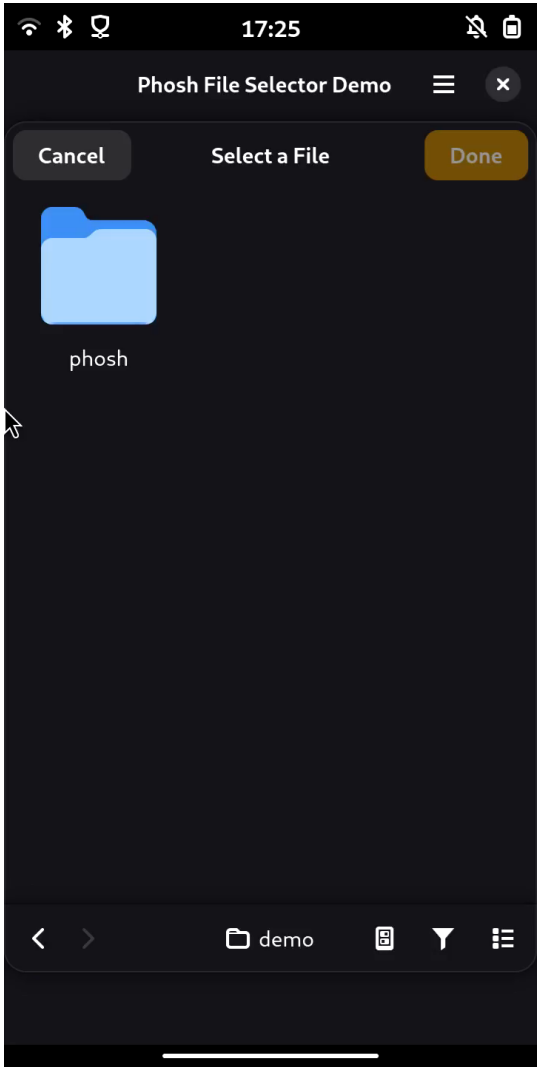
sweet stevia



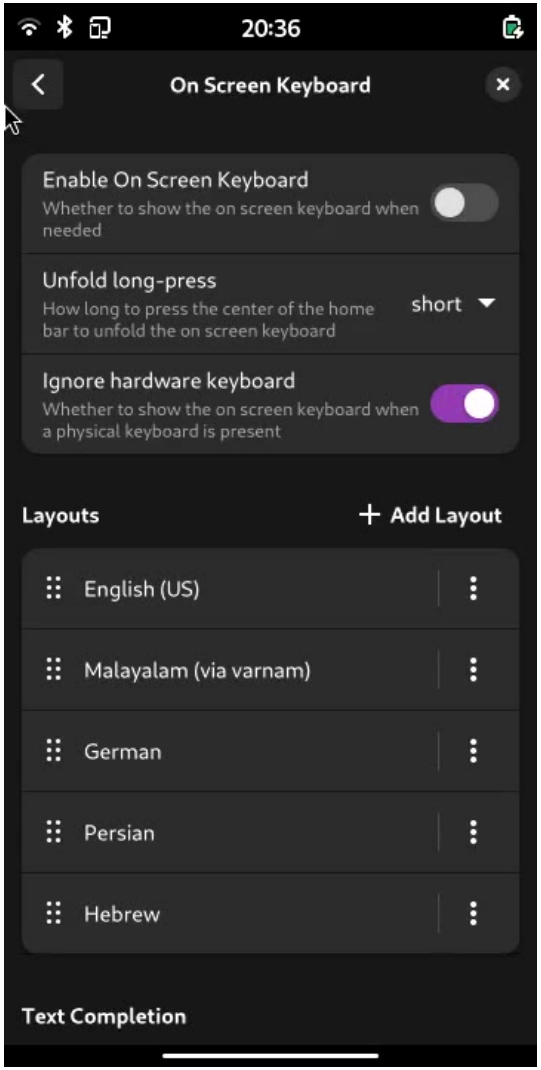


brightness gesture

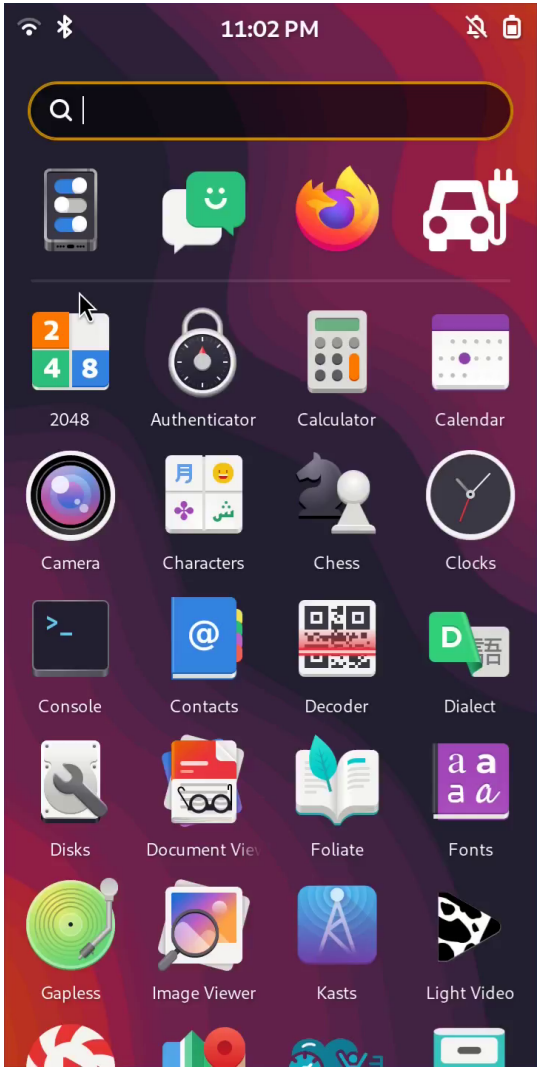
Thumbnails in a (sand)box (PhoshFileSelector)



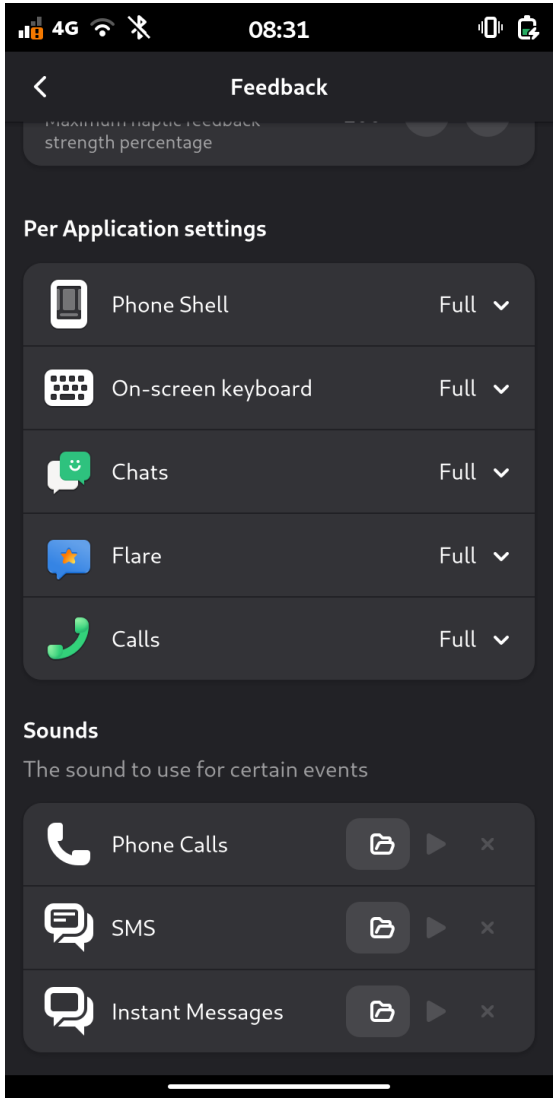
Captive Portals

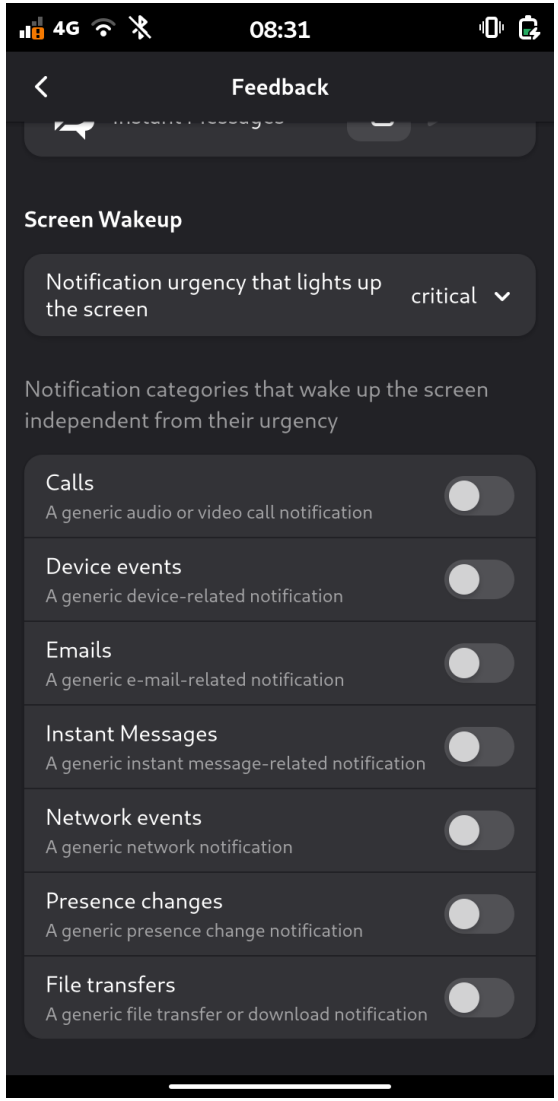


Quicksettings - Hotspot



And now for some mobile settings





Let me sleep and conserve energy!

https://phosh.mobi/posts/wakeup-keys/

```
modified   data/61-gmobile-wakeup.hwdb
@@ -137,6 +137,17 @@ gmobile:name:tm2-touchkey:dt:samsung,a5*
 gmobile:name:pm8941_resin:dt:samsung,a5*
   GM_WAKEUP_KEY_114=0

+##########################################################
+# SHIFT GmbH
+##########################################################
+
+# SHIFT6mq phone. 114,115 are volume keys
+gmobile:name:pm8941_resin:dt:shift,axolotl*
+ GM_WAKEUP_KEY_114=0
+
+gmobile:name:gpio-keys:dt:shift,axolotl*
+ GM_WAKEUP_KEY_115=0
+
 ##########################################################
 # Xiaomi
 ##########################################################
```

per country emergency numbers

```
--- a/serviceproviders.xml
+++ b/serviceproviders.xml
@@ -12933,6 +12933,15 @@ conceived.

 <country code="tw">
        <name>Taiwan</name>
+       <emergency-numbers>
+               <emergency-number number="119">
+                       <callee type="ambulance"/>
+                       <callee type="fire-brigade"/>
+               </emergency-number>
+               <emergency-number number="110">
+                       <callee type="police"/>
+               </emergency-number>
+       </emergency-numbers>
        <provider>
                <name>Chunghwa Telecom (emome)</name>
                <name xml:lang="zh">中華電信 (emome)</name>
```

Adding emergency numbers to mobile-broadband-provider-info

misc

- do not disturb mode
- autobrightness as a quick setting
- lockscreen wallpapers!
- pmOS tweaks in p-m-s

Say hello to Phosh.mobi e.V.

- We wanted an "official home" for the project for some time
- Answers questions such as who represent the project
- non-profit association under German law

What the association does

- Talk about Phosh, Linux Mobile and free software
- Take part in conferences and booths
- Organize Get Togethers (both online and offline)
- Collects and handles donations
- Defend developer's right (Fiduciary License Agreement)

Donations welcome!

- Tax deductible in Germany (and other EU countries?)
- `https://ev.phosh.mobi/donate/`

Want to get involved?

- contribute code
- file issues
- test the latest & greatest
- submit translations
- design artwork

cutting edge technology

phosh-nightly

- ships code merged into `main` branch
- help us closing the feedback loop!
- `https://phosh.mobi/posts/phosh-nightly/`

cutting edge technology

On Debian

```
$ cat /etc/apt/sources.list.d/phosh-nightly.sources
Types: deb
URIs: http://deb.phosh.mobi/nightly/
Suites: forky-nightly
Components: main
[...]
$ sudo apt -t forky-nightly full-upgrade
```

cutting edge technology

On postmarketOS

From https://wiki.postmarketos.org/wiki/Nightly#Phosh

```
$ doas wget https://nightly.postmarketos.org/phosh-nightly/\
$(cat /etc/apk/arch)-ci@nightly.postmarketos.org.rsa.pub \
-P /etc/apk/keys/
$ echo "https://nightly.postmarketos.org/phosh-nightly/" | \
doas tee -a /etc/apk/repositories
$ doas apk upgrade -Ua
$ doas systemctl restart greetd
```

from future import *

- cutout support `https://nlnet.nl/project/Phosh-Notch/` `https://phosh.mobi/posts/xdg-cutouts/`
- Port to GTK4 `https://nlnet.nl/project/Phosh-GTK4/`
- SIP improvements to GNOME Calls `https://nlnet.nl/project/GnomeCalls-DTLS-SRTP/`

My only friend, the end

Thanks <3
Questions?

Contact

phosh

- Project homepage `https://phosh.mobi`
- Association homepage `https://ev.phosh.mobi`
- Matrix #phosh:phosh.mobi
- Fedi @phosh@fosstodon.org
- Donate `https://ev.phosh.mobi/donate`

devrtz

- Email: devrtz@fortysixandtwo.eu
- Matrix: @devrtz:fortysixandtwo.eu
- Fediverse: @devrtz@fosstodon.org
- IRC: devrtz @ oftc

Resources

- https://phosh.mobi/posts/role-based-routing/
- https://phosh.mobi/posts/wakeup-keys/
- https://dev.phosh.mobi/