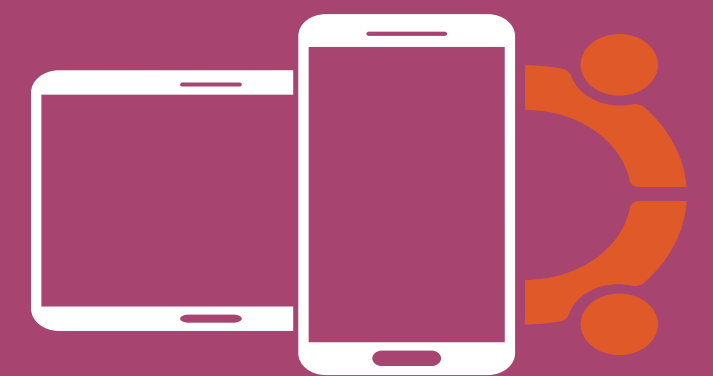


# Ubuntu Touch

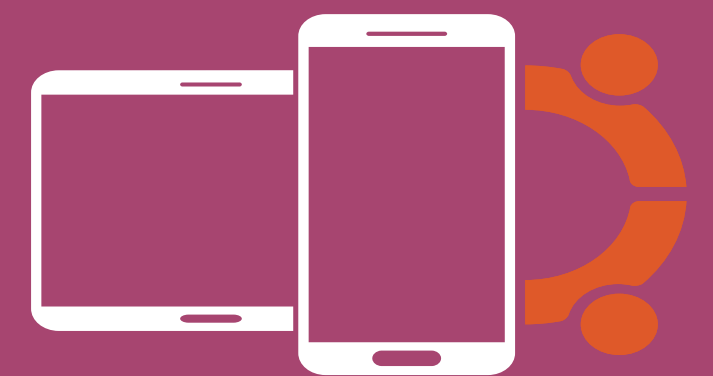
Past, present & future

Alfred Neumayer, 2024



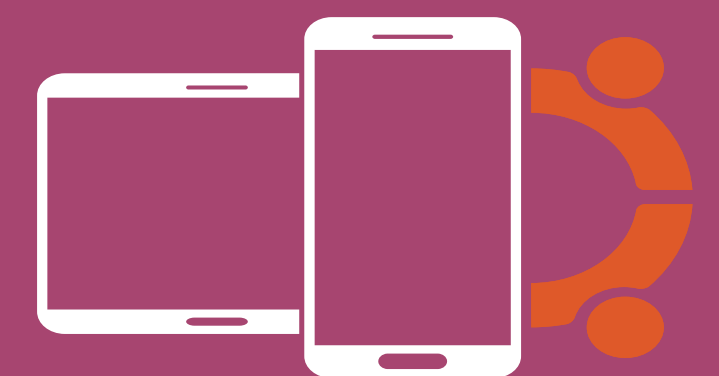
# Agenda

- History
- Where are we now?
- Where do we want to go?
- Help us!



# History

- 2013
  - Ubuntu Touch announcement
    - One platform for Smartphone, Tablet & Desktop
- 2016
  - 5 devices released
- 2017
  - Canonical ends investment in Ubuntu Touch
  - UBports Community takes over development
- 2019
  - UBports Stiftung officially founded



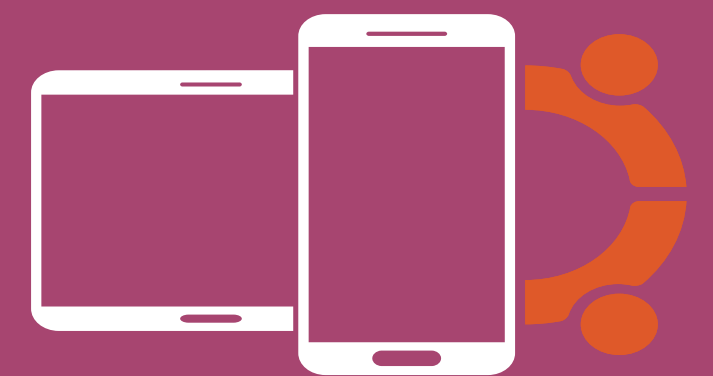
# History

- 2019 until today
  - New Operating System base
    - 15.04 -> 16.04 -> 20.04
  - New devices
    - Community projects
    - Hallo Welt Systeme as a Partner
  - New features
    - NFC, preinstalled QR Code Reader
    - Camera & hardware-accelerated Videos in the Browser
    - And much more!



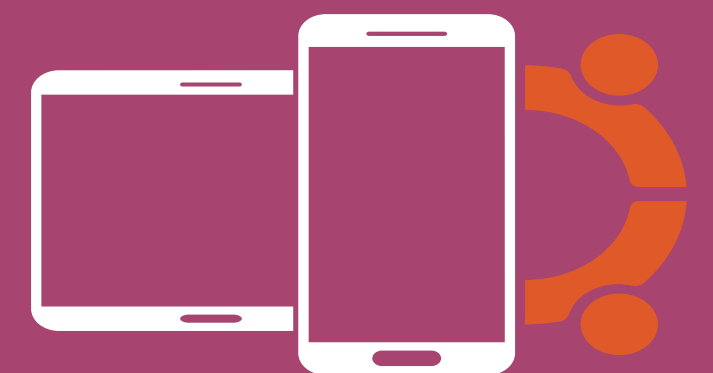
# Where are we now?

- Ubuntu Touch availability
  - 26 devices on 20.04
  - Through the UBports Installer
  - Growing porting community
  - <https://devices.ubuntu-touch.io>



# Where are we now?

- Meeting system requirements
- Fully functional environments
  - Ubuntu Touch
  - systemd
  - Hardware access & enablement services
  - Kernels



# Where are we now?

## systemd Utilities

systemctl journalctl notify analyze cglsg cgtop loginctl nspawn

## systemd Daemons

systemd  
journald networkd  
logind user session

## systemd Targets

bootmode basic multi-user graphical user-session  
dbus telephony display service  
shutdown reboot dlog logind user-session tizen service

## systemd Core

manager unit login namespace log  
systemd service timer mount target multiseat inhibit cgroup dbus  
snapshot path socket swap session pam

## systemd Libraries

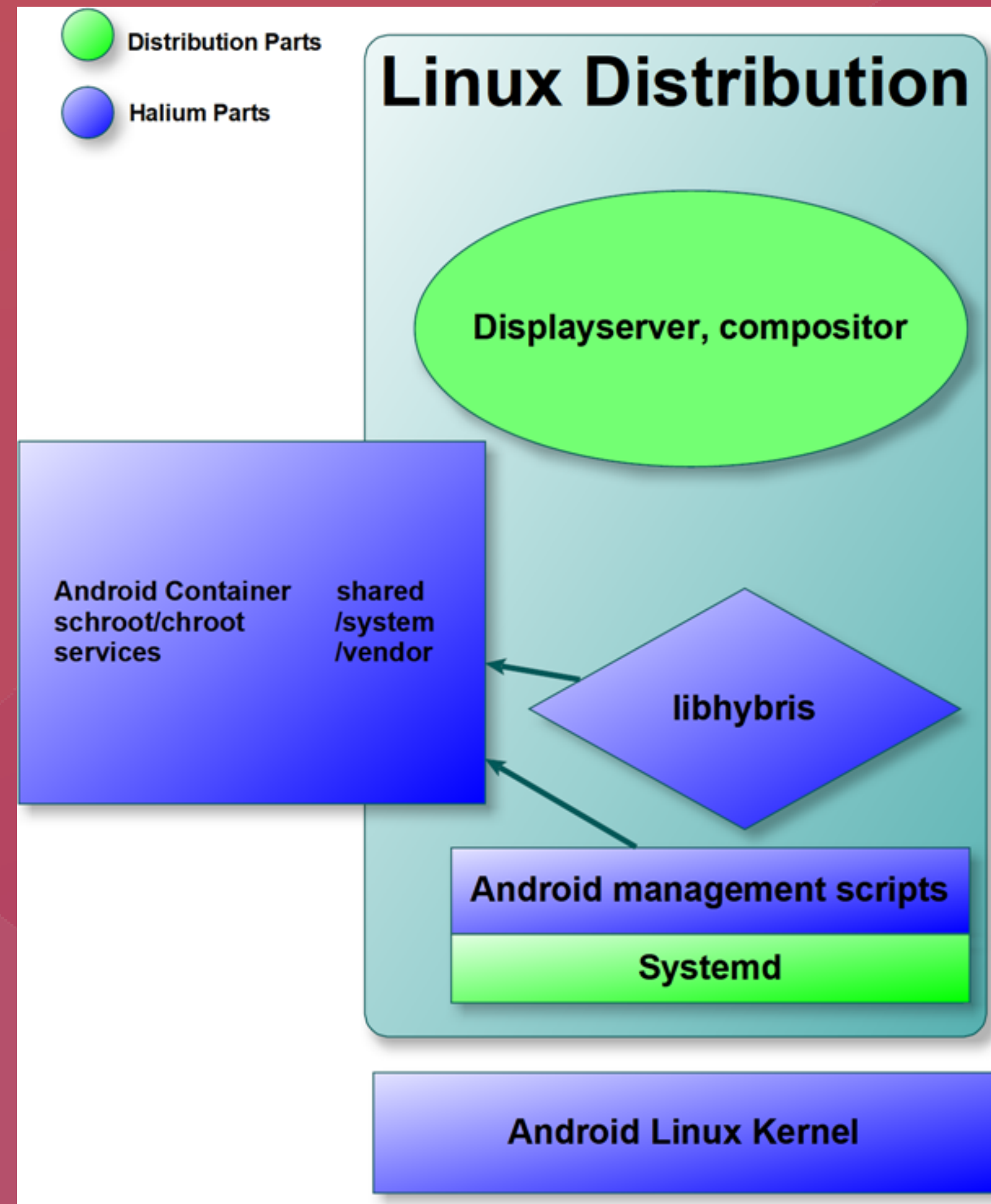
dbus-1 libpam libcap libcryptsetup tcpwrapper libaudit libnotify

## Linux Kernel

cgroups autofs kdbus



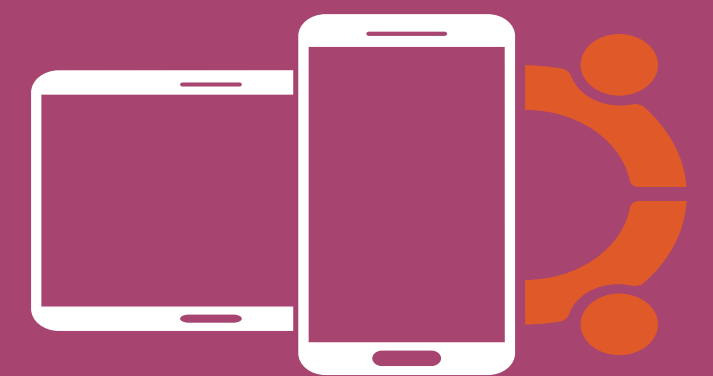
# Where are we now?





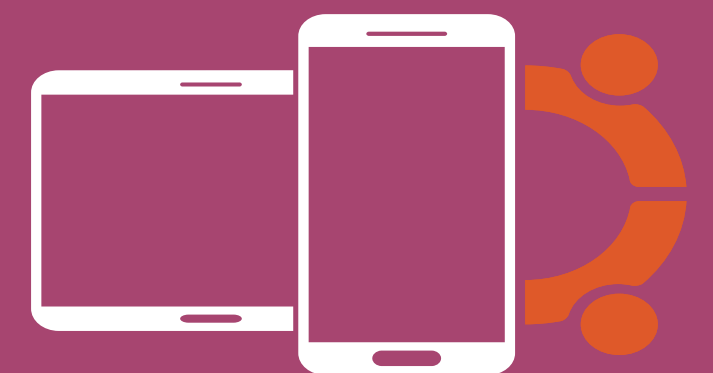
# Where are we now?

- Enabling your daily work
  - Mirclient & Wayland
  - Desktop mode
  - Preliminary Snap support

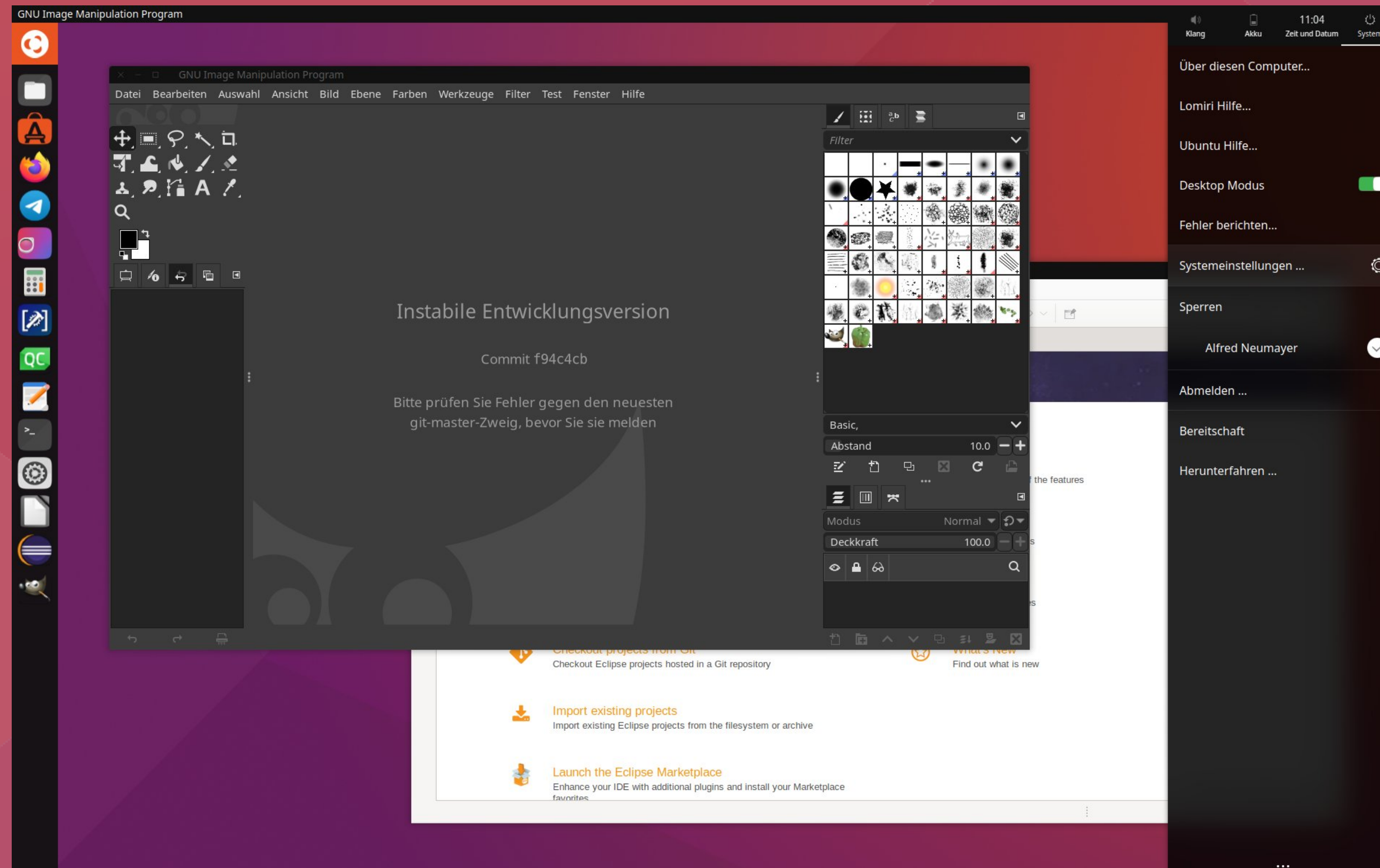


# Where do we want to go?

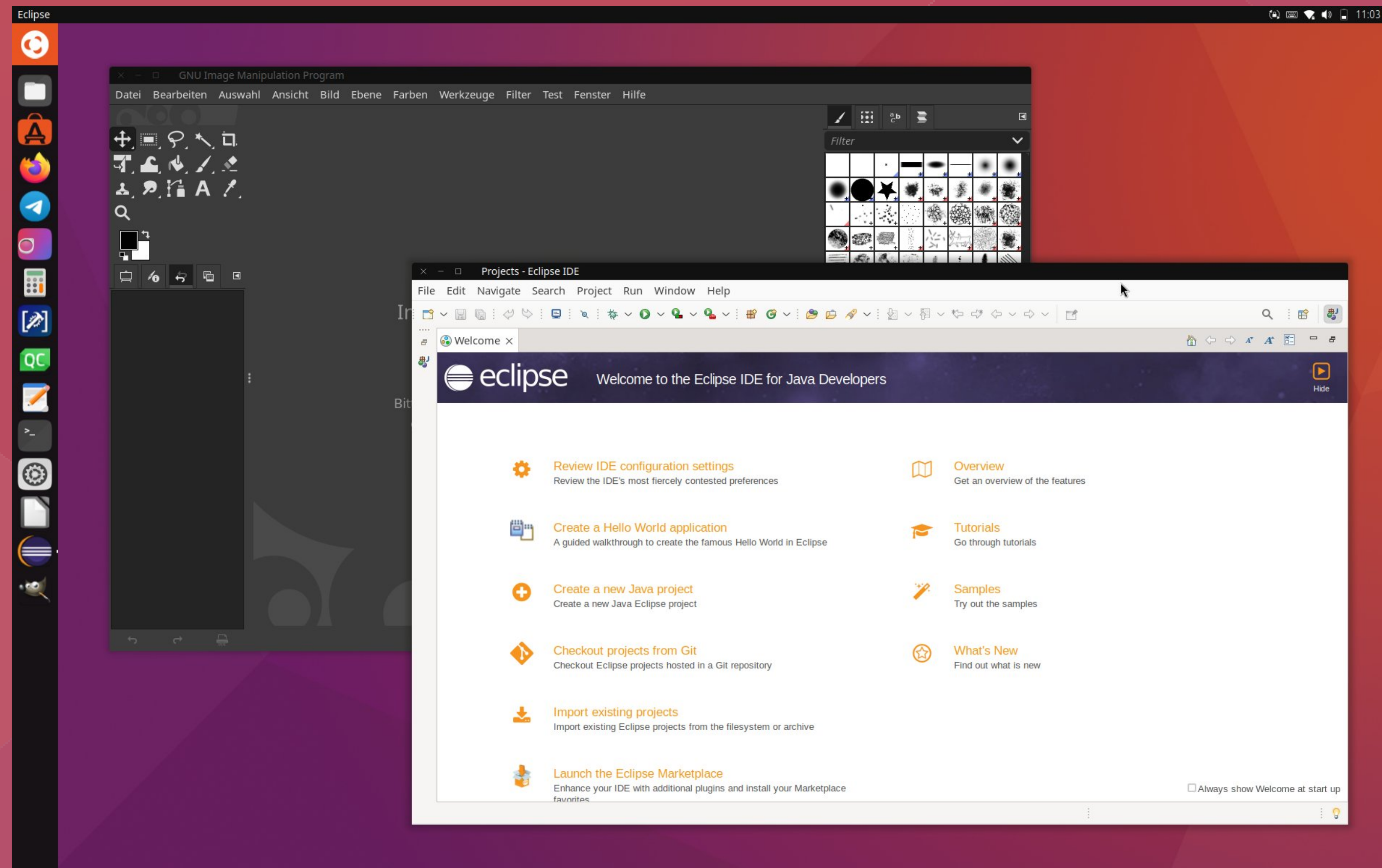
- 24.04 release
- Consumer-grade new changes
- Complete the transition to Wayland
- Encryption of user data
  - fsencrypt
- Snaps
- And many more!



# Where do we want to go?

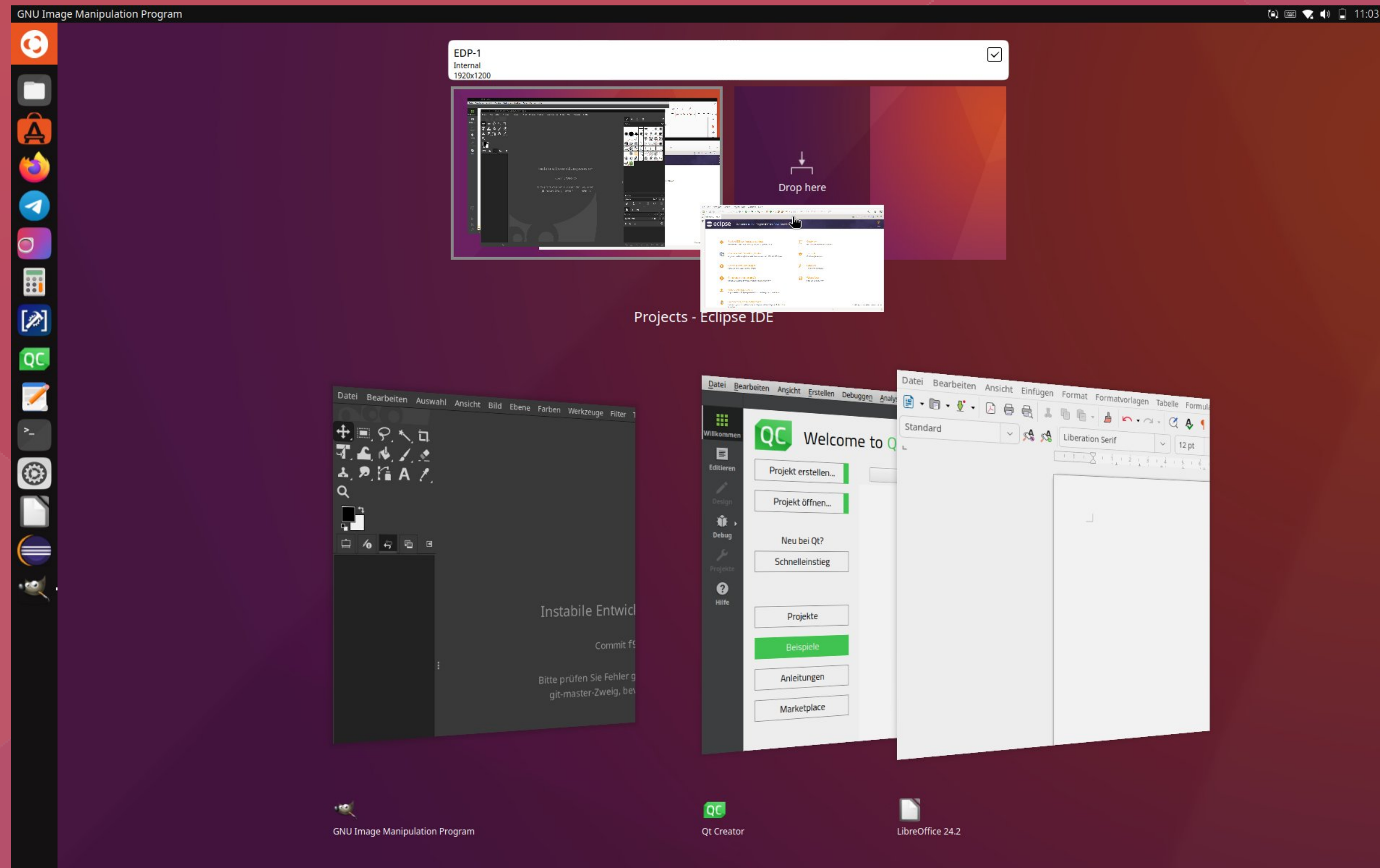


# Where do we want to go?



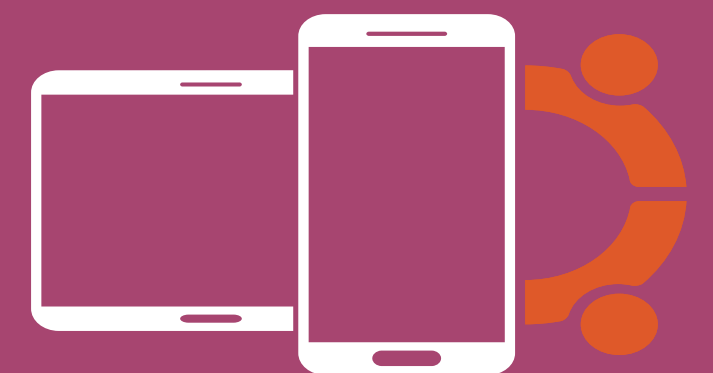


# Where do we want to go?



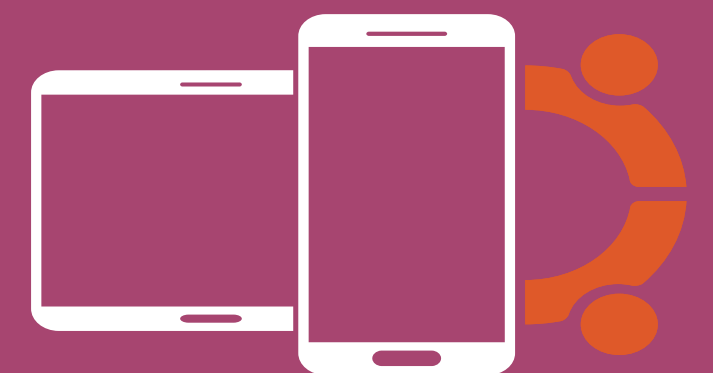
# Where do we want to go?

- Snaps
  - An empowering app ecosystem
  - Fresh software straight from an app store
  - Provided and supported by Canonical
  - Confined, sandboxed environments
  - Compatible with our read-only system
  - Useful for Desktop scenarios and professional workflows



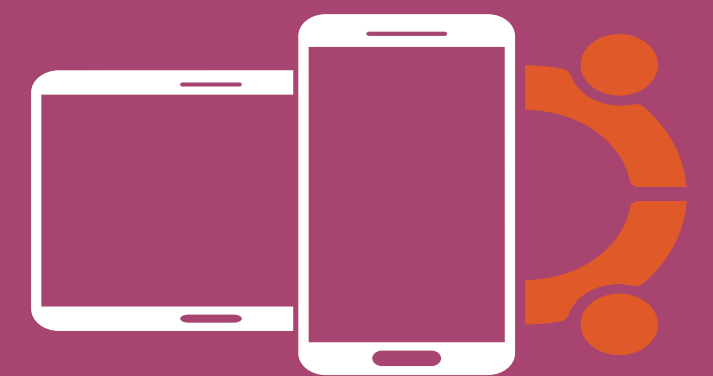
# Where do we want to go?

- Snaps and example use cases:
  - Latest LibreOffice
  - Docker development
  - WebAssembly development
  - Ubuntu Touch app development
  - Git, Docker, Clickable, IDEs all are available



# Where do we want to go?

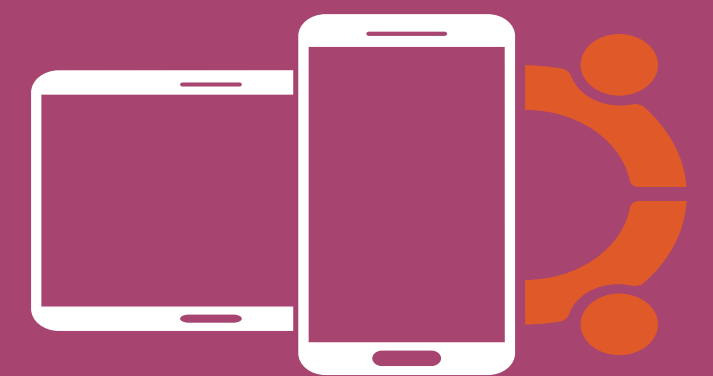
- Snaps
  - Integration into Ubuntu Touch still ongoing
  - libhybris drivers need to work for graphics and other hardware
  - Adapt to renaming of Unity8 to Lomiri
  - Provide better integration of apps





# Where do we want to go?

- Snaps
  - Ubuntu Core + Lomiri?
  - First experiments



# Join us!

- <https://ubuntu-touch.io/>
- <https://ubports.com/>
- <https://gitlab.com/ubports>
- <https://twitter.com/ubports>
- <https://mastodon.social/@ubports>

