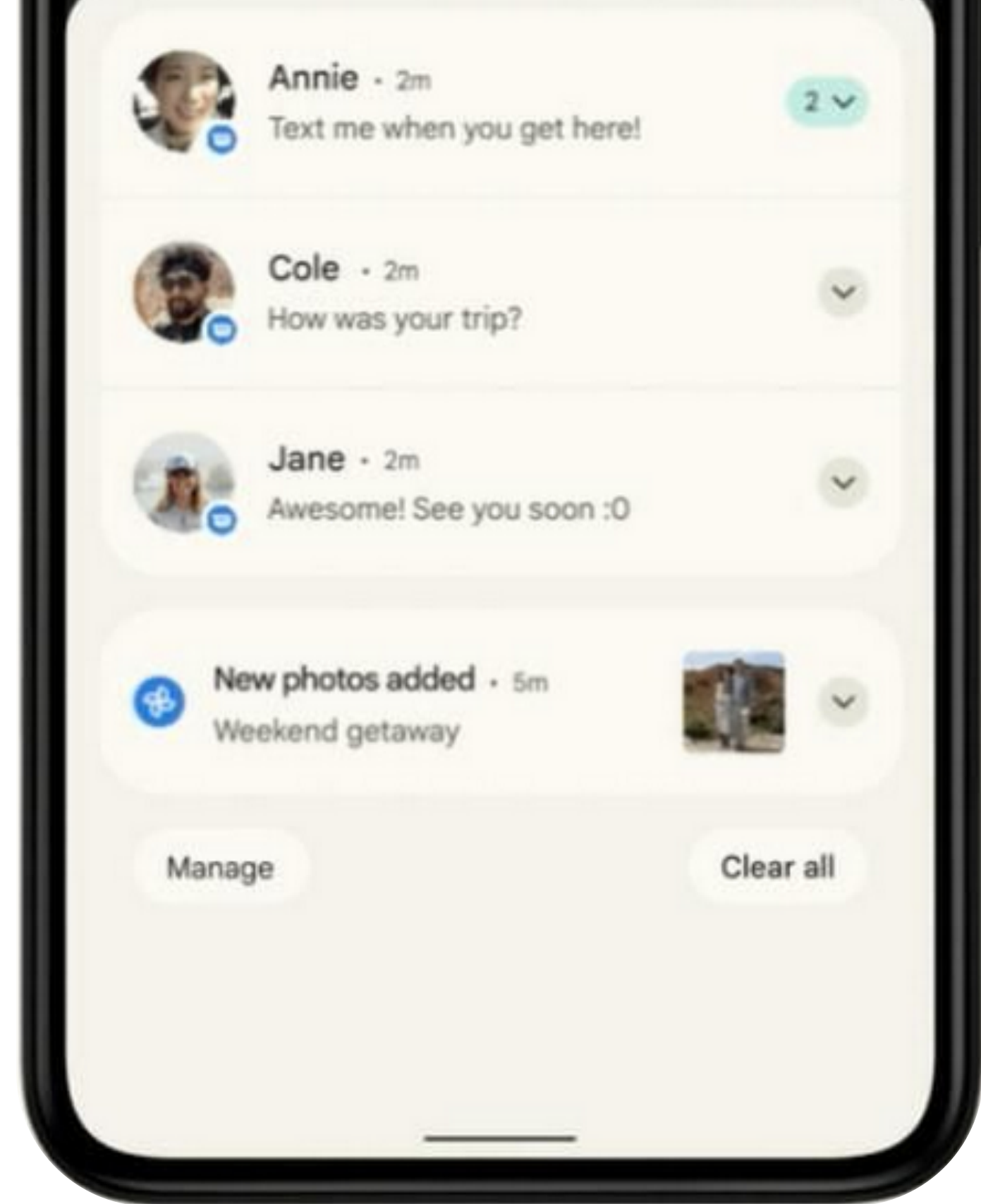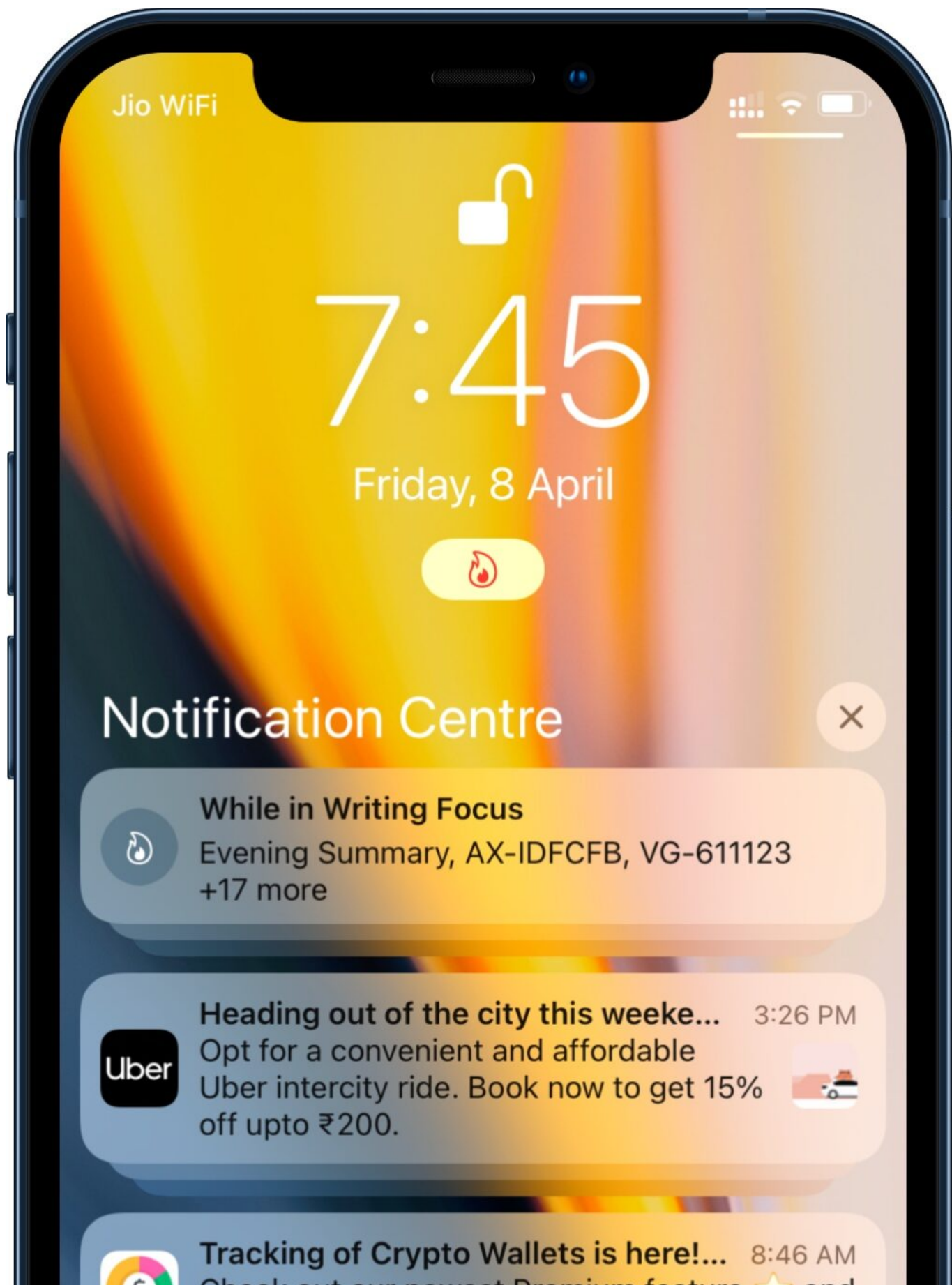# About Me

Adaptive core apps

Fractal GTK4 rewrite

Most recently STF

GNOME Foundation board

The Goal

Modern Needs

Tie notifications to apps

Global notification sounds

Notification grouping

Better media support

How do we get there?

It's complicated...

Developer Confusion

GNOME Shell has lots of features

Many can't be used by our apps

Gio.Notification doesn't support them
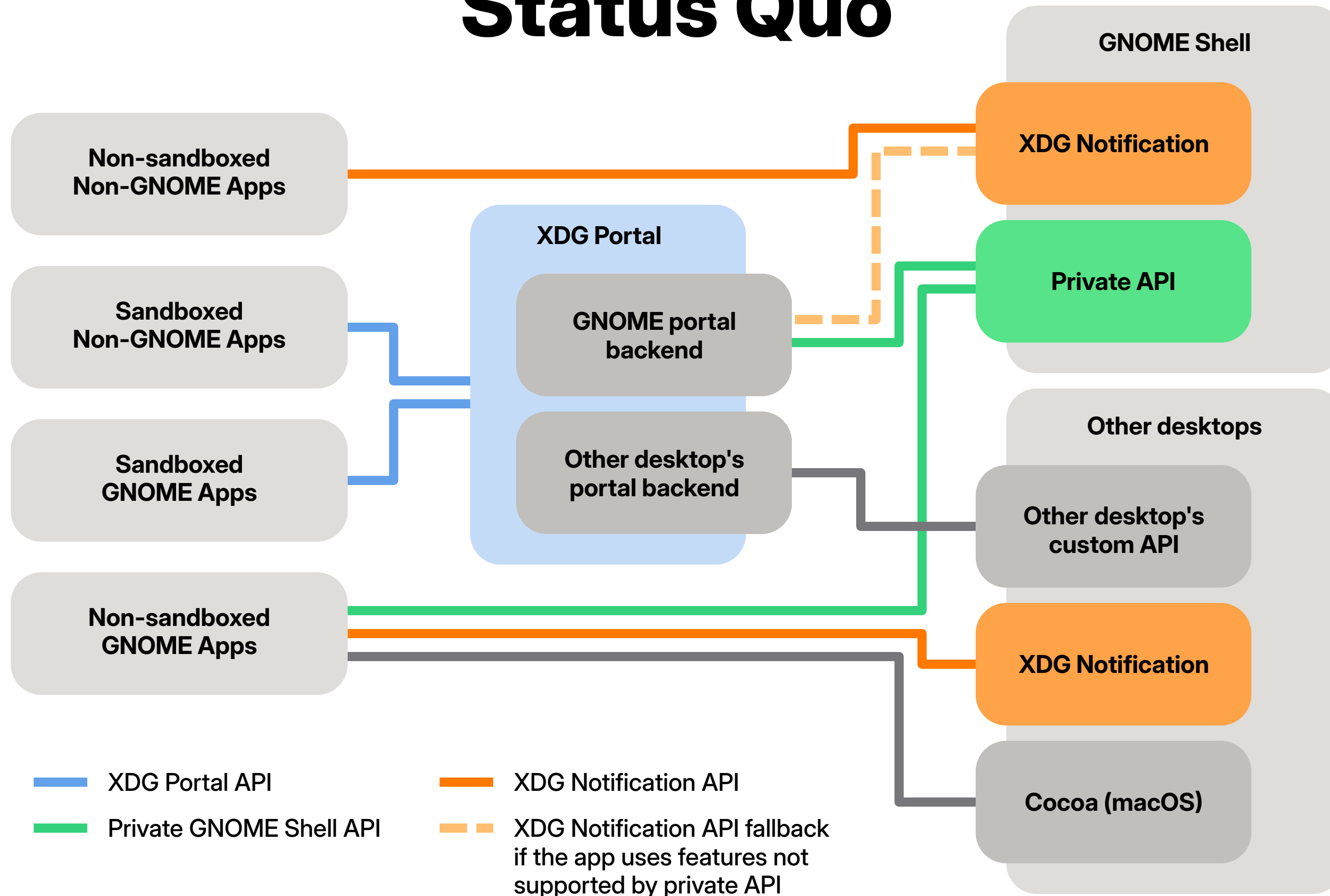
Hard to know what's available

Multiple APIs

XDG (FDO) Notification

Gio.Notification

Private GNOME Shell API

XDG Portal

Status Quo

GNOME Shell

Non-sandboxed Non-GNOME Apps

Sandboxed Non-GNOME Apps

Sandboxed GNOME Apps

Non-sandboxed GNOME Apps

XDG Portal

GNOME portal backend

Other desktop's portal backend

XDG Notification

Private API

Other desktops

Other desktop's custom API

XDG Notification

Cocoa (macOS)

— XDG Portal API

— Private GNOME Shell API

— XDG Notification API

— XDG Notification API fallback if the app uses features not supported by private API

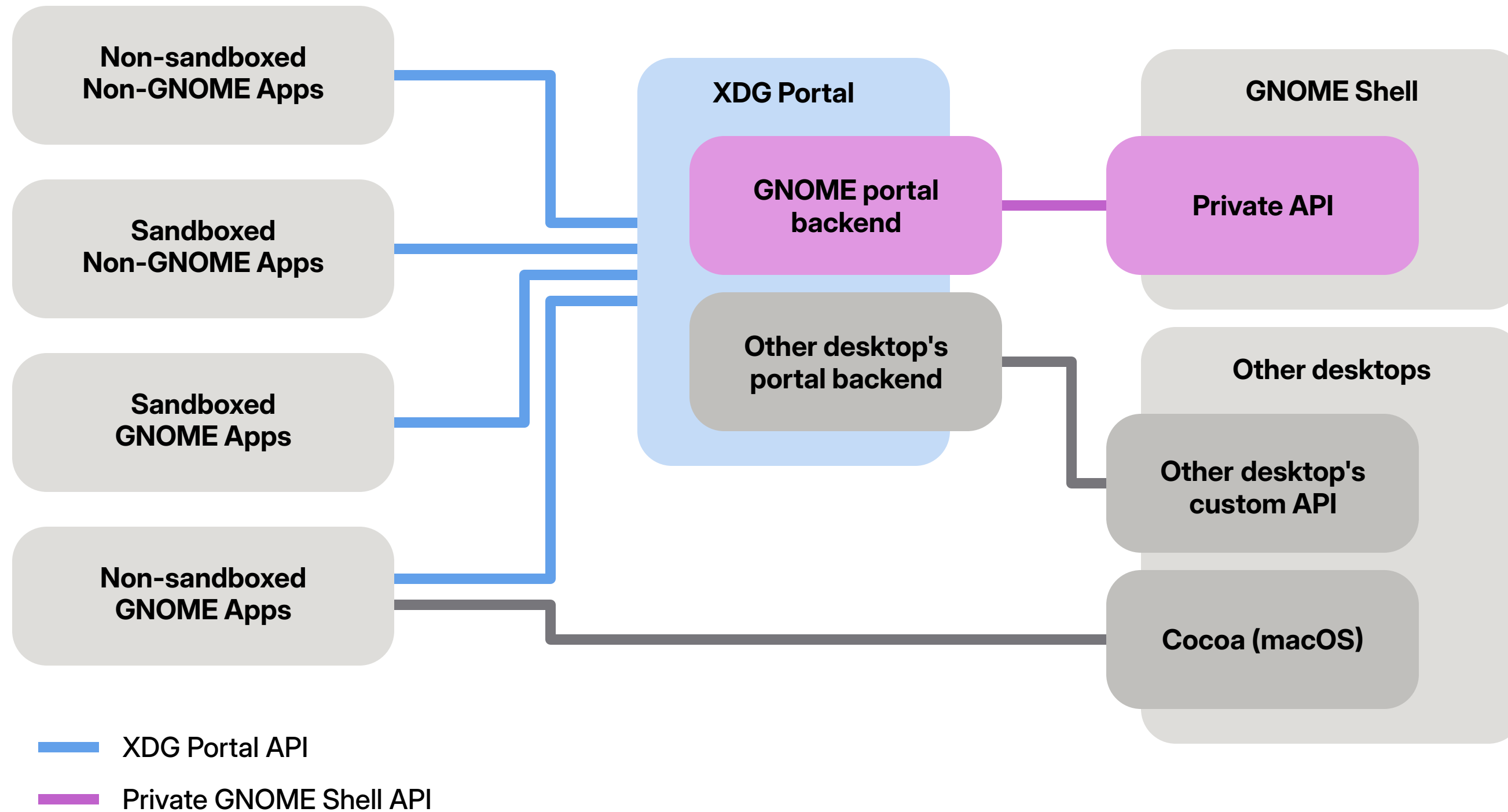# The Plan

Invest in Portal API

Apps use Portal API already (via Gio)

portal backend uses private GNOME Shell API

Add new features to Portal API

Old APIs still supported as fallback

Plan for the future*

Non-sandboxed Non-GNOME Apps

Sandboxed Non-GNOME Apps

Sandboxed GNOME Apps

Non-sandboxed GNOME Apps

XDG Portal

GNOME portal backend

Other desktop's portal backend

GNOME Shell

Private API

Other desktops

Other desktop's custom API

Cocoa (macOS)

— XDG Portal API

— Private GNOME Shell API

* This is the happy path, the old APIs would still be supported for old apps

Features to Add

Tying notifications to apps

Grouping by message thread

Larger images in notification body

Special notifications for e.g. calls

Clearing up undefined behavior

GNOME Shell

New Features

Allow expanding notifications in the drawer

Large images in the notification body

Grouping by app

Grouping by message thread

List of apps

Tuba Just now

Mikael Laine
@aavery @brigitta I don't know, in my…

Flare 10 minutes ago

Graciela Campos
How do you feel about these colors?

Mail 1 hour ago

Weekend Hike
IE Isabell Engel: Hey, I already booked ano…

Console 2 hours ago

Command Complete
flatpak update -y

List of threads

Mikael Laine
@aavery @brigitta I don't know, in my…

Flare

Flare 10 minutes ago 4 ⌄

Graciela Campos
How do you feel about these colors?

Flare 10 minutes ago ⌄

GNOME Design
Angela: Here's a new version, now in blue!

Flare 10 minutes ago 8 ⌄

GNOME Hackers
Angela: the one with the bubbles

Mail 1 hour ago

Weekend Hike
IE Isabell Engel: Hey, I already booked ano…

Expanded thread

@aavery @brigitta I don't know, in my…

Flare

Flare 10 minutes ago 4 ⌄

Graciela Campos
How do you feel about these colors?

Flare 10 minutes ago ⌄

GNOME Design
Angela: Here's a new version, now in blue!

Flare 10 minutes ago ⌃

GNOME Hackers
Angela: did you see the new bwallpaper?
Isabel Engel: which one?
iacob.cioa45: let me find it
Angela: the one with the bubbles

Mark as Read   Mute

Mail 1 hour ago

Isabell Engel
IE Weekend Hike: Hey, I already booked a…

GNOME 46

GNOME 46

GNOME Shell code cleanups

Notification headers

Expanding in the drawer

Various style improvements

Wayland Activation

Wayland Activation

sab 20 lug 00:33

Clocks Just now

Clocks
"Clocks" is ready

Spec v2

Constraints

Backwards compatibility

Reduce uncertainty in API defintion

Don't introduce a new API

Have a plan for future extension

New Properties

Play sounds

Markup in notification body

Link notifications to app (not sandbox)

Hints for how banners are shown

New Properties

Categories (e.g. chat, alarm)

Button purposes

Query supported categories/purposes

Future Work

Docs for app developers

More properties post v2

Grouping by message thread UI

Post v2 Spec

Vibration

Notification LED

Grouping by thread

Body image

Funded by STF

Thanks

Florian Müllner

Sebastian Wick

Tobias Bernard

Jonas Dreßler

Sonny Piers

Georges Stavracas

Sam Hewitt

Jakub Steiner

Thanks

jsparber@gnome.org

jsparber@mastodon.social