# Going Upstream:
# the future (or lack thereof)
# of WebKit Clutter

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# **WebKit Clutter**

Built for an R&D IVI platform using Clutter

Heavily based on WebKitGTK+

Future uncertain so never upstreamed

Allowed for multiple Clutter frontends

Had AC quite early on!

# Apertis

An IVI platform

Based on Debian and Gnome tech

In the process of being made public

Collabora works on some components

# Apertis and WebKit

Uses Clutter, Mx mostly custom widgets for UI

WebKit Clutter was still WebKit1

Proposal: adopt upstream WebKit2GTK+

# "WebkitClutterGTK+"

Use as much GTK+ infrastructure as possible

clutter-gtk wrapper for ease of use

Input handling also done through actor

Allows API users to leverage PanAction

# Under the hood

Yoon's threaded compositor

Fast zooming animations

Some features ported from WebKit Clutter

Otherwise pretty much vanilla WebKit2GTK+

# **Ported from Webkit Clutter**

Kinetic scrolling through ScrollAnimator

Elastic bounce effect

Touch adjustment

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# **Ported from Webkit Clutter**

Contextual zoom helpers

Clutter-controlled animation for fullscreen

GTK+ CSS customization of in-page elements

# WebKit Clutter is still better on:

Scrolling: tiles are actors!

AC video through clutter-gst

Fast zoom

# Thanks!

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