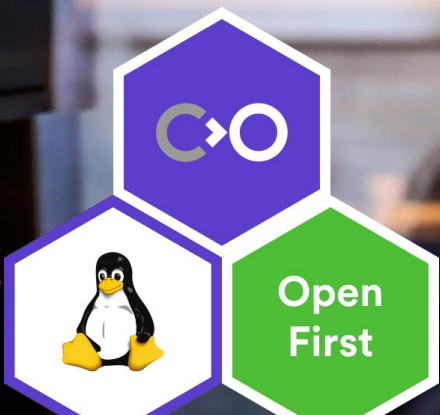


Linux Graphics REVOLUTION

 @guspadovan

Gustavo Padovan

Linux Core Technologies Lead



```
X.Org X Server 1.11.3
Release Date: 2011-12-16
Build Operating System: Linux 2.6.24-29-server x86_64 Ubuntu
Current Operating System: linux joe-Inspiron-M5010 3.2.0-23-generic #36-Ubuntu SMP Tue
Kernel Command line: Boot_Image=/boot/vmlinuz/3.2.0-23generic
root=UUID=38b161a2-33ff-4162-a9da-b07cb9949ae0ro quiet splash
Build Date: 05 April 2012 04:32:37 AM
Xorg-server 2:1.11.4-0ubuntu10. (For technical support please see http://www.ubuntu.co
Current version of pixman: 0.24.4 Before reporting problems, check http://wiki.x.org t
Markers: (--) probed, (**) from config file, (==) default setting, (++) from command l
notice, (II) informational, (WW) warning, (EE) error, (NI) not implemented, (??) unknow
(==logfile: "/var/log/Xorg.O.log" Time: Thu Jun 14 17:20:12 2012
(==) Using Config file: "/etc/xii/Xorg.conf"
(==) Using system config directory "/usr/share/xii/Xorg.conf.d"
Vesa: Ignoring device with a bound kernel drive
(EE) Screen(s) found, but none have a usable configuration.
Fatal Server Error:
No Screens found.
Please consult the X.org foundation's support at http://wiki.x.org for help.
xxd Sig Give Up: Closing log
Server terminated with error (1). Closing log file
```

Accept your past

Tearing, flickering, bad framerate

Closed-source GPU drivers

X11 is 32 years old!



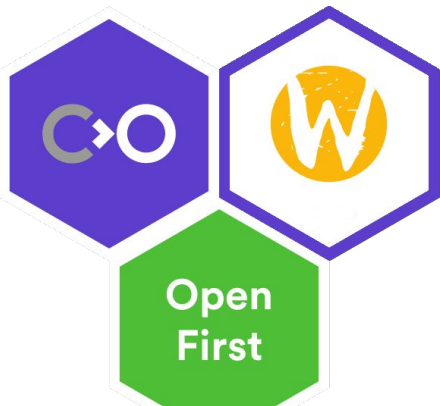
Enter Wayland

new set of protocols

‘every frame is perfect’

widely used in the industry

default on Fedora and Debian



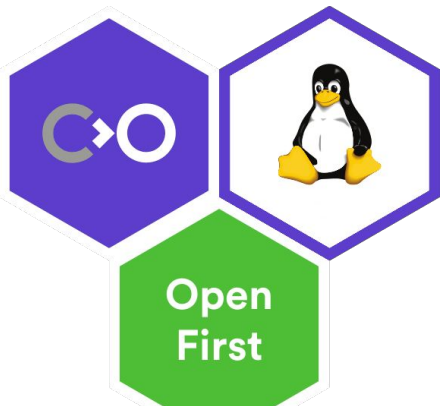
Atomic modesetting

DRM/KMS new atomic API

test-commit-rollback approach

Simpler and smaller drivers

Quite active subsystem



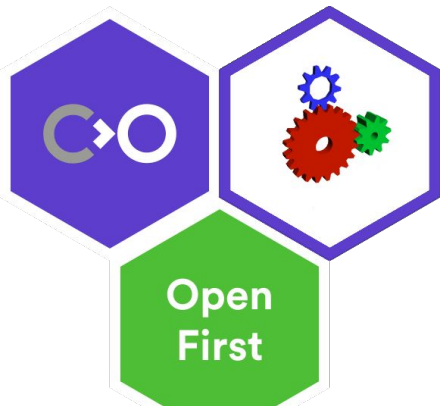
OPEN GPU drivers

Better long term support

Catching up!

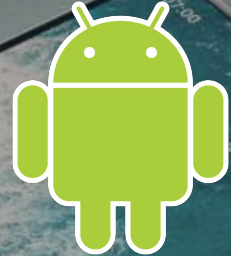
Vendors contributing upstream

Adopted in products



Steam and Android

DYING LIGHT
THE FOLLOWING
ENHANCED EDITION



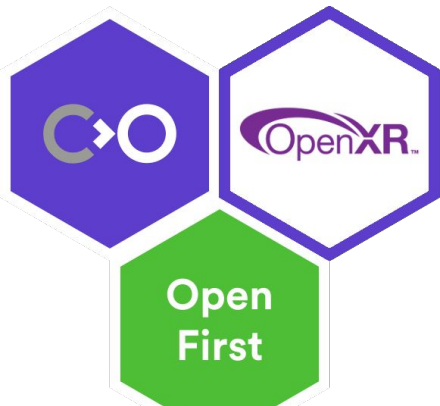
eXtended Reality

OpenXR 1.0 spec released

Collabora as spec writers

monado.dev Open Source runtime

xrdesktop for KDE and GNOME



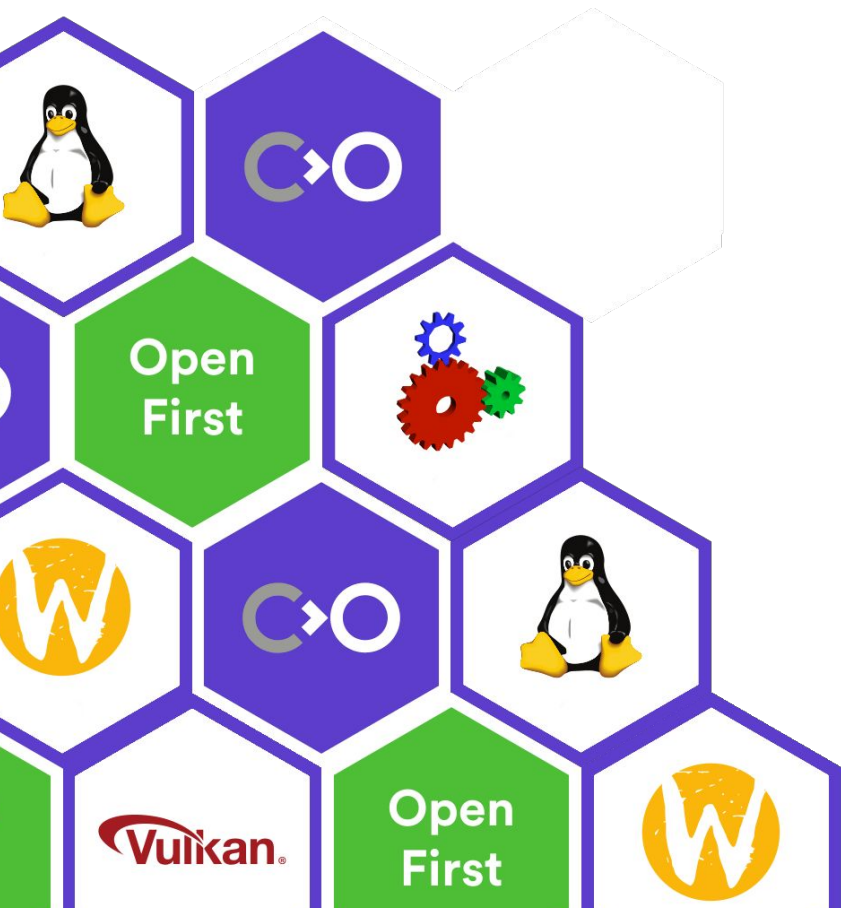
What's next?

OPEN



Open
First

We are HIRING!



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