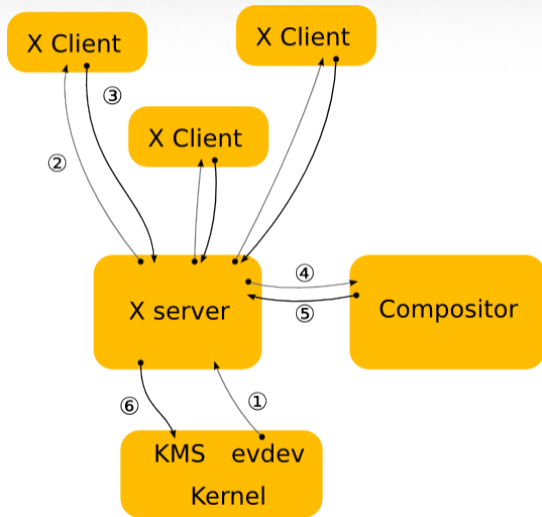


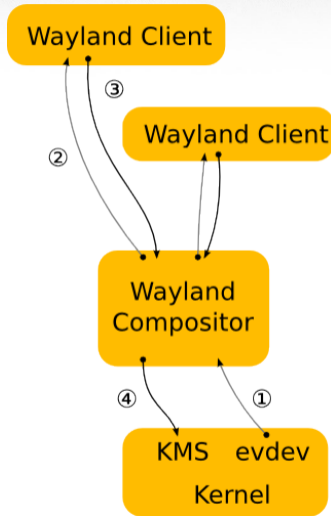
Wayland State In Gentoo

Maksim Melnikau (max_posedon)

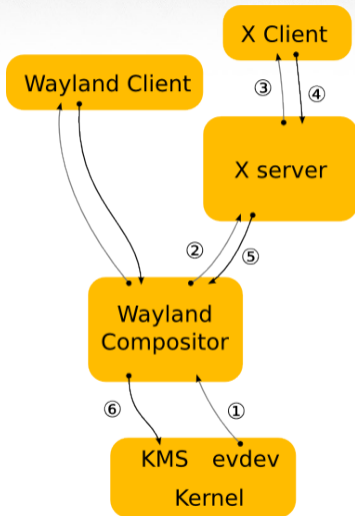
X Architecture



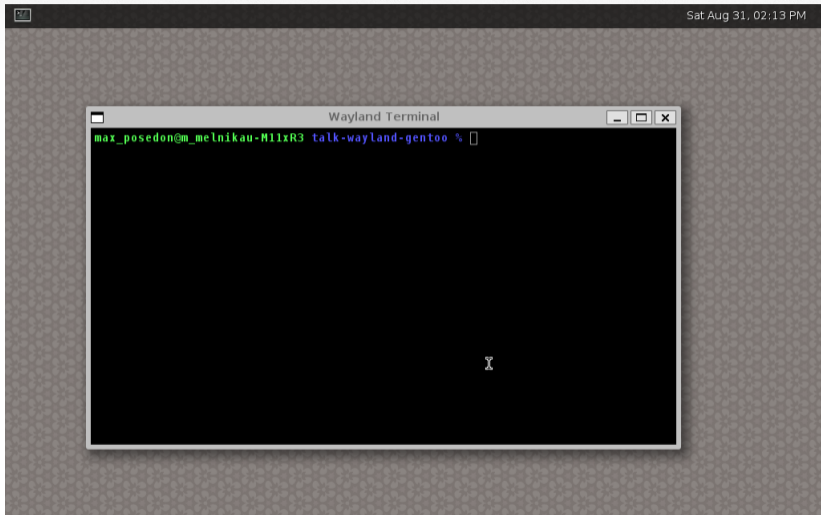
Wayland Architecture



X On Wayland



Weston



Packages

core

- ▶ wayland
- ▶ mesa
- ▶ weston
- ▶ xserver
- ▶ ddx
 - ▶ xf86-video-intel
 - ▶ xf86-video-nouveau
 - ▶ xf86-video-ati
 - ▶ xf86-video-wlshm

toolkits

- ▶ Qt 5
- ▶ Gtk+ 3.0
- ▶ Clutter
- ▶ SDL
- ▶ EFL

Gentoo Packages

- ▶ `media-libs/mesa USE=wayland`
- ▶ `dev-libs/wayland`
- ▶ `dev-libs/weston`
- ▶ `x11-libs/gtk+ USE=wayland`

Qt5

- ▶ **qt-overlay** dev-qt/qtgui:5 **BUG** opengles2 missing in QT_CONFIG
- ▶ **qt-overlay** dev-qt/qtwayland:5 **PATCH** Add Qt Wayland platform plugin

weston:configure.ac

```
AC_ARG_ENABLE(xwayland, [ --enable-xwayland],, enable_xwayland=yes)
AM_CONDITIONAL(ENABLE_XWAYLAND, test x$enable_xwayland = xyes)
if test x$enable_xwayland = xyes; then
    PKG_CHECK_MODULES([XWAYLAND], xcb xcb-xfixes xcursor cairo-xcb)
    AC_DEFINE([BUILD_XWAYLAND], [1], [Build the X server launcher])
    AC_ARG_WITH(xserver-path, AS_HELP_STRING([--with-xserver-path=PATH],
        [Path to X server]), [XSERVER_PATH="$withval"],
        [XSERVER_PATH="$bindir/Xorg"])
    AC_SUBST([XSERVER_PATH])
fi
```

weston:config.ini

[core]

modules=desktop-shell.so,xwayland.so

[xwayland]

path=/home/max_posedon/wayland/bin/Xorg

Thank You. Questions

Maksim Melnikau

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https://twitter.com/max_posedon

<http://wayland.freedesktop.org>

<http://www.gentoo.org/>

http://www.slideshare.net/max_posedon/wayland-state-in-gentoo

<https://github.com/max-posedon/talk-wayland-gentoo>