

Enlightenment as Standalone Wayland Compositor



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- Rendering
- DRM and VT handling
- Input handling
- (Session recovery)

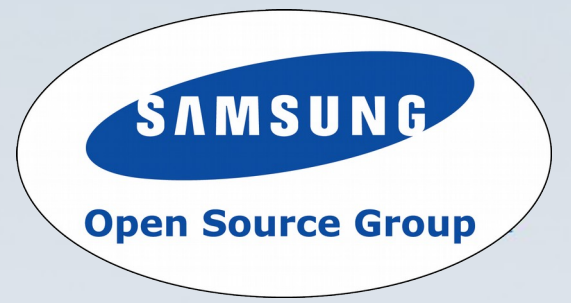
- Wayland engines available in Evas
 - SHM with double and triple buffering
 - EGL engine
 - DRM software and hardware accelerated
- Switched all Xwindow usage to evas canvas to allow X11 as well as wayland surfaces
- Many other abstractions from X already existed in ecore for framebuffer and other display systems

- Ecore Drm Library
 - Systemd for session control
 - Udev for device discovery/hotplugging
 - Libdrm for hardware access
 - Dbus for input device opening/closing
 - VT switching from ioctls

- Originally designed to use libinput from Wayland
 - Removed libinput due to issues with libinput event processing
 - Moving back to libinput now as final solution
 - Keyboard, mouse, and touch screen input supported
 - Libinput missing joystick support

- XDG shell support implemented
- wl_shell also supported
- IVI shell supported

- XDG: Better support for missing desktop related parts, like systray replacement, border icon advertising, uniconify
 - What alternatives are others using here?
- What should we use to replace xrandr?
 - Udev hotplug to support output reconfiguring?
- Session-recovery: E catches segfaults and allows session recovery with all applications restored, X helps here.
 - Protocol extension for this?



Thank you.

