

Fun with the Linux Desktop

3D-Desktop with XGL/AIGLX and compiz

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XGL

- David Reveman, Novell/SUSE
- New Xserver based on GL
- Xserver on another Xserver
- (X)EGL not yet
- All cards with DRI



AIGLX

- Kristian Høgsberg, Fedora
- Extension to already existing Xserver
- Same functionality as XGL
- All cards with free drivers



Compiz

- Composite and Windowmanager
- Very modular
- gnome-window-decorator, kde-window-decorator
- Wobbly windows



Binary drivers suck

- Security, Bugs
- Functionality (Composite, AIGLX, Realtime etc.)
- No/delayed updates for new kernels/xorg, old cards
- We need free drivers!



Intel

- Best free drivers
- Intel released source before card in shops
- BUT: binary interface (DRM, HDCP)



ATI

- Limited 3D support for all cards before X1300
- No 2D/3D support at all (only VESA) for past X1300
- ATI very uncooperative (don't even talk to devs)



Nvidia

- No free 3D yet
- Nouveau-project working on better free drivers
- EXA-Support (2D) since a few days working
- nouveau.freedesktop.org



Questions?

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