

# ics (image compositor socket): Activity

## GNU Film Production & Archiving

- Project aim:
  - Provide a set of tools for pro A/V production workflow.
  - Interface and connect existing FLOSS (fi. ardour, OME, lumiera, rosegarden, kino/dvgrab, blender, lives..)
  - Rewrite xjadeo – the JACK video player.
- Features:
  - What metavid.org does with FLV and PHP, *ics* does in C using ffmpeg or gavl/gmerlin.
  - Pull architecture: Decoder ← cache ← compositor ← player | stream/encoder ← front-end
  - Live EDL, Frame-cache, Socket and ShMem IF.



# ics: Challenges

- It's a very ambitious project.
- Font-ends are either very specific or complex.
- Cross platform V-blank sync playback.
- Lower level interfaces keep changing (avcodec,avcodec)
- Complex Project/Session management. (esp. effect automation).



# ics: Dependencies

- Libraries in use:
  - Ffmpeg or gavl/gemerlin, Itcsmpte, xv, jack
  - Optionally: liblo, SDL, Carbon/Quartz, QT
- Projects that depend on us:
  - Xjadeo.sf.net
  - Ardour.org - v3.2 video track/imeline



# ics: Next Steps

- Fix the interfaces & protocol (http, ics)
- Continue to fill gaps in the backend (compositing, colourspace)
- Add a proper build system (waf vs. autotools)
- Add session management and tie the front-ends together.
- Rewrite/merge data importers (EDL & XML parser)
- Get others to contribute user-interfaces & [web] applications
- Re-visit ardour's image-time axis.

