GStreamer
Edward Hervey

- Founding partner of Collabora Multimedia

- Maintainer of gst-python, Gnonlin, gst-ffmpeg and PiTiVi

- Using FOSS since 1995

- Active in FOSS since 2003 (mainly around multimedia)

GStreamer: Activity

- Project aim:
  - Open-source 'standard' multimedia framework.
  - Removing hard-dependencies for applications
  - Help resolve the multimedia legal mess.

- Features:
  - Supports almost all formats
  - Allow Open-source and Proprietary to co-exist
  - Not just playback...

GStreamer: Challenges

- Still lots of duplicated code in plugins

- Not enough libraries wrapped

- Solving the underlying libraries/API issues (v4l, pulseaudio),

- We need more multimedia use-cases (applications).

- Regression & QA testing (insanity)

GStreamer: Dependencies

- Libraries in use:
  - Core and essential plugins rely only on GLib/libc
  - Many plugins have external dependencies

- Projects that depend on us:
  - GNOME desktop, KDE (through Phonon)
  - Songbird, Elisa, PiTiVi, Istanbul, Cheese, Pidgin, Flumotion, Farsight, and many more...
  - Consumer devices

GStreamer: Next Steps

- Wrap more multimedia libraries through plugins

- More helper libraries

- More base classes

- More applications and use-cases !!!

- World domination :)