

I am slightly confused

- Name = Ben Schwartz (bemasc)
- Projects = minor contributions to
 - Xiph: Cortado, OggIndex, gstreamer integration
 - OLPC/Sugar Labs: fun with distributed algorithms and signal processing
- Quest = Meet cool people. Skip work. Maybe learn stuff. Possibly fix a bug. Avoid going to Australia.



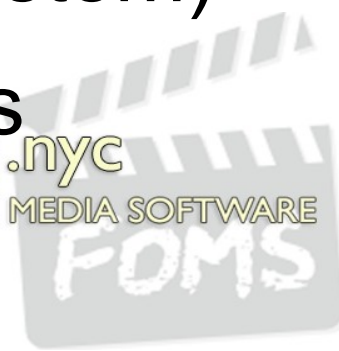
My project for FOMS: Cortado

- What?
 - a complete Ogg Theora + Vorbis player implemented as a pure Java, complete with its own reimplementations of gstreamer (“jst”).
- Why?
 - Fallback for <video> and <audio>, provides a 100% free solution that runs almost anywhere
- Who?
 - Originally Fluendo: Wim Taymans et. al.
 - Now Xiph: Maik Merten, oggkoggk, et. al.



Cortado's Challenges

- Maximum usability requires targeting the largest possible number of JVMs, even the ancient MS JVM (a buggy clone of Java 1.1)
- Speed
 - Java was not designed for this. A huge amount of CPU time is spent just copying pixels!
- Bugginess/limited testing (always the bridesmaid, never the main playback system)
- Use hopefully declining as <video> rises



To Do

- In the next 24 hours:
 - Hunt down and kill A/V desync bug (especially pronounced when seeking on pulseaudio systems)
- After that:
 - Port gstreamer QoS to jst and jst's theoraenc for better handling of low-CPU playback
 - Reverse-port QoS to gstreamer's theoraenc!
- Some day maybe:
 - Port WebM to Cortado?

