

HeliosTv : Using GStreamer In A Distributed DVB Stack

R. Picard

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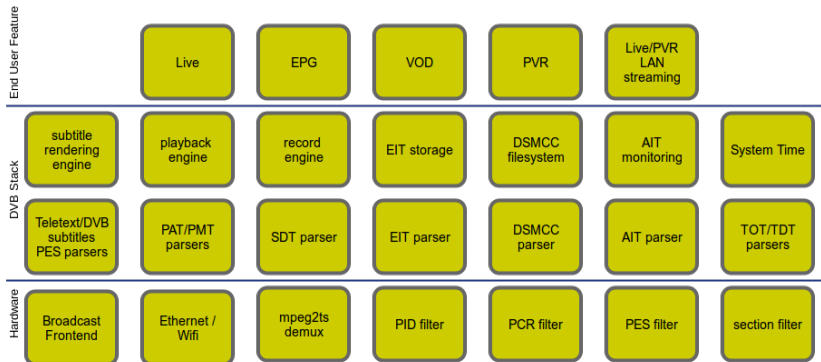
- ▶ Software editor
- ▶ For Telcos and Broadcasters
- ▶ Linux based operating system for
 - ▶ Internet gateways
 - ▶ SetTopBox



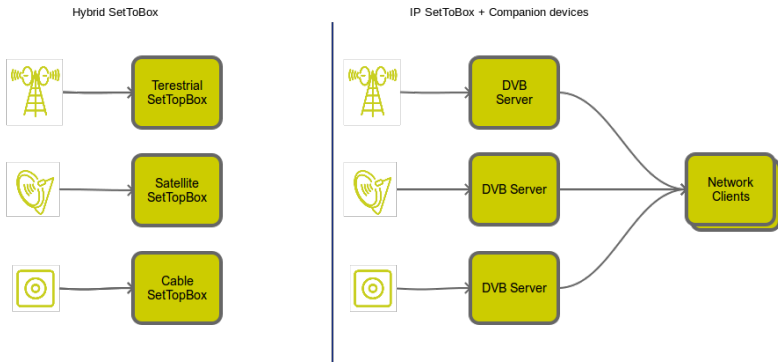
- ▶ Software architect
- ▶ Working on SetTopBox
- ▶ Focussed on media features



We Want : Independent Components



We Want : Broadcast On An IPTV Box



Some Partial Solutions Exist

- ▶ HD HomeRun
- ▶ Sat>IP
- ▶ TvHeadend
- ▶ GStreamer



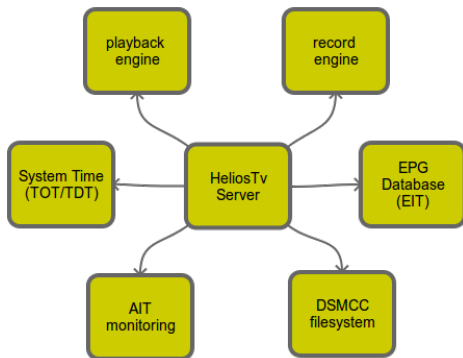
SAT > IP™

The GStreamer logo features three stylized, overlapping wavy lines in red, green, and blue above the word 'gstreamer' in a lowercase, sans-serif font.

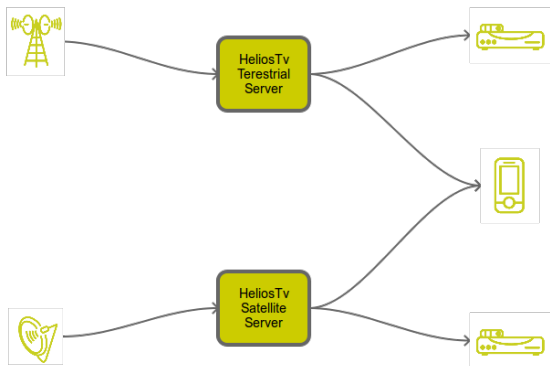


- ▶ Remote access to DVB data
- ▶ Transport stream, sections, and PES
- ▶ Use hardware demux
- ▶ Manage frontends

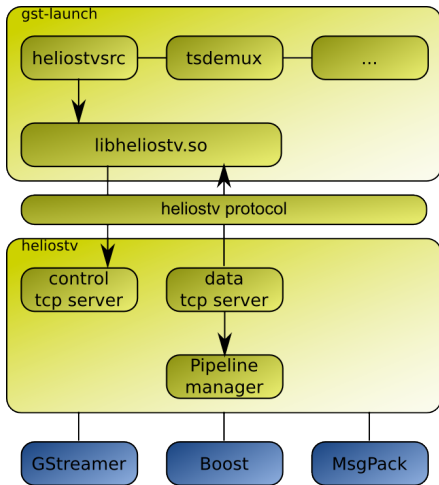
Independent Components



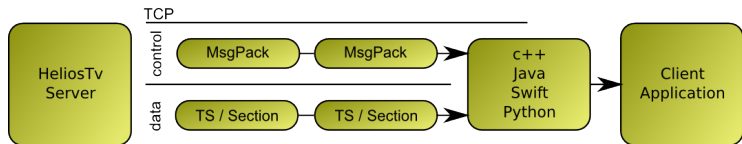
Broadcast On Any Device



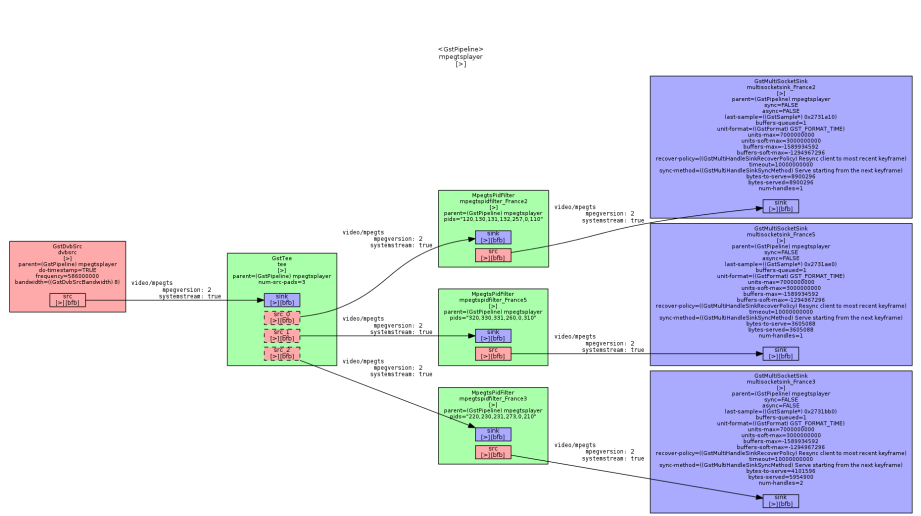
Global Design



- ▶ Language agnotstic
- ▶ TCP or Unix socket
- ▶ MsgPack



The Pipeline



- ▶ Mostly prototyping
- ▶ Service streaming
- ▶ Fonctionnal !



Demo



Next Steps

- ▶ Cleanup and design
- ▶ Section filtering
- ▶ Channel lineup
- ▶ Tuner management
- ▶ ...





- ▶ License : LGPL v2 + Apache 2
- ▶ <https://github.com/HeliosTv>



Questions



Thank You.