

Playbin3 and decodebin3 status update

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Playbin3/Decodebin3 Status update

- Lots of cleanups and fixes
 - Thanks to Seungha Yang and Jan Schmidt !
- Removing more old-school code/behaviour
 - Leveraging the fact we are “streams-aware”
- Fixes and improvements for adaptivedemux use-cases
 - Better memory/network usage
 - And adaptive gst-validate testsuite

WIP

- “auto-plugging” signals from decodebin3
 - One signal instead of 5
 - “For this GstStream I will attempt to use this list of GstElementFactory, what shall I do ?”
 - Expose as-is
 - Optional: Modify list of GstElementFactory
 - Default return : try list of factories
 - Playbin3 will figure out optimal sink/decoder combination
 - Playbin3 will also expose signal for apps who want to chose a specific decoder
 - No longer handles the “Don’t expose this stream” use-case
 - Use GST_EVENT_SELECT_STREAMS

Currently worked on (target end-of-year)

- UriDecodebin3
 - Same idea as uridecodebin2
 - With uri **and** suburi properties
 - Longer term: Need a “add any extra uri” API
- Gapless playback in playbin3
 - Initially with two uridecodebin3
 - All pads of the same type go into a concat before sink
 - Switch happens on EOS
 - “about-to-finish” signal emitted by:
 - Urisourcebin (EOS on network/push sources)
 - Decodebin3 (EOS after parsebin and before multiqueue)
 - Uridecodebin3 aggregates the above
 - Much earlier switching