

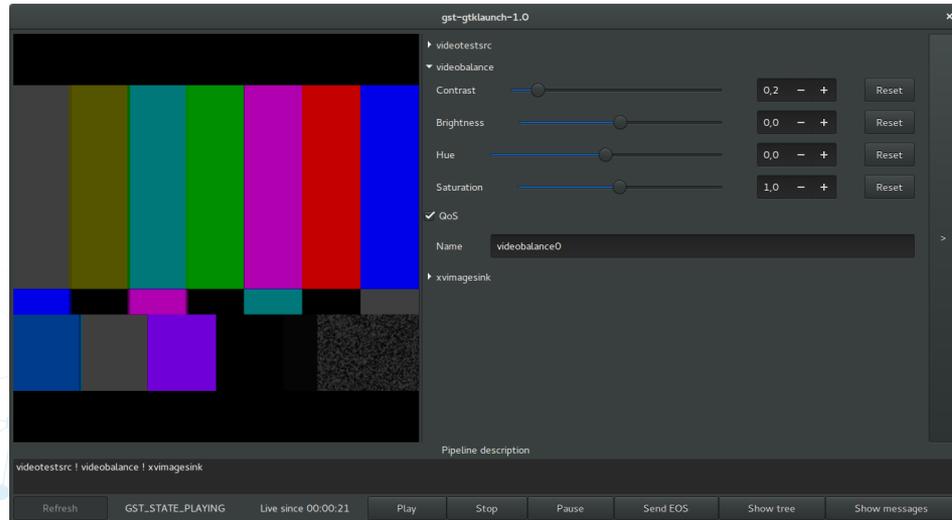


gst-gtklaunch-1.0

Interactive property manipulation

Utility to explore gstreamer element properties on a live pipeline.

```
gst-gtklaunch-1.0 videotestsrc ! tee name=tee ! queue ! xvimagesink tee. ! queue !  
jpegenc ! fakesink name=dumpsink
```



GstMessage peaking

gst-gtklaunch-1.0 audiotestsrc ! level interval=100000000000 ! fakesink

Source Element	Message Name	Message Data
level0	level	endtime:900000000000 timestamp:800000000000 stream-time:800000000000 running-time:800000000000 duration:100000000000 rms:[-4.94898043353]
level0	level	endtime:1000000000000 timestamp:900000000000 stream-time:900000000000 running-time:900000000000 duration:100000000000 rms:[-4.9489804335]
level0	level	endtime:1100000000000 timestamp:1000000000000 stream-time:1000000000000 running-time:1000000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:1200000000000 timestamp:1100000000000 stream-time:1100000000000 running-time:1100000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:1300000000000 timestamp:1200000000000 stream-time:1200000000000 running-time:1200000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:1400000000000 timestamp:1300000000000 stream-time:1300000000000 running-time:1300000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:1500000000000 timestamp:1400000000000 stream-time:1400000000000 running-time:1400000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:1600000000000 timestamp:1500000000000 stream-time:1500000000000 running-time:1500000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:1700000000000 timestamp:1600000000000 stream-time:1600000000000 running-time:1600000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:1800000000000 timestamp:1700000000000 stream-time:1700000000000 running-time:1700000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:1900000000000 timestamp:1800000000000 stream-time:1800000000000 running-time:1800000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2000000000000 timestamp:1900000000000 stream-time:1900000000000 running-time:1900000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2100000000000 timestamp:2000000000000 stream-time:2000000000000 running-time:2000000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2200000000000 timestamp:2100000000000 stream-time:2100000000000 running-time:2100000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2300000000000 timestamp:2200000000000 stream-time:2200000000000 running-time:2200000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2400000000000 timestamp:2300000000000 stream-time:2300000000000 running-time:2300000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2500000000000 timestamp:2400000000000 stream-time:2400000000000 running-time:2400000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2600000000000 timestamp:2500000000000 stream-time:2500000000000 running-time:2500000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2700000000000 timestamp:2600000000000 stream-time:2600000000000 running-time:2600000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2800000000000 timestamp:2700000000000 stream-time:2700000000000 running-time:2700000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:2900000000000 timestamp:2800000000000 stream-time:2800000000000 running-time:2800000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:3000000000000 timestamp:2900000000000 stream-time:2900000000000 running-time:2900000000000 duration:100000000000 rms:[-4.9489804]
level0	level	endtime:3100000000000 timestamp:3000000000000 stream-time:3000000000000 running-time:3000000000000 duration:100000000000 rms:[-4.9489804]

Dot file viewing

```
vimagesink tee. ! queue ! jpegenc ! fakesink name=dumpsink audiotestsrc ! level
```

Time: 00:40:47

Play

Stop

Pause

Send EOS

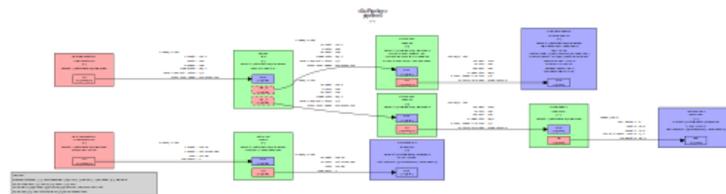
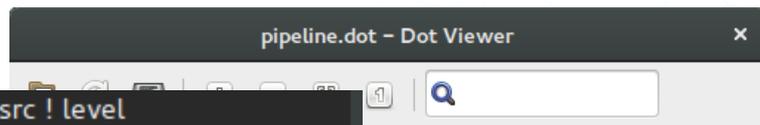
Show tree

Show messages

Choose folder

Filename:

1444301810.jpg



On-demand buffer dumping

```
videotestsrc ! tee name=tee ! queue ! xvimagesink tee. ! queue ! jpegenc ! fakesink name=dumpsink audiotestsrc ! level  
interval=100000000000 ! fakesink
```

Refresh

GST_STATE_PLAYINGLive since 00:25:26

Play

Stop

Pause

Send EOS

Show tree

Show messages

Take picture

Choose folder

Filename:

1444302057.jpg

Requires fakesink element named “dumpsink”,
uses “last-sample” property

Currently designed for jpeg



What changed

- renamed project from gst-gengui
- ported to Gstreamer 1.x, python3, gtk3, python package (huge thanks Dirk Van Haerenborgh ! <dirk.vanhaerenborgh@hogent.be>)
- improved GUI
- taking pictures with a dump_tee



Demo

Current issues

- non-live pipeline reloading (stop/play)
- changing filesrc location on-the-fly (even not dynamic !)
- *gst-gtklaunch-1.0 videotestsrc ! vaapisink* segfaults

A decorative background featuring a network of light blue lines connecting small circular nodes, creating a mesh-like pattern across the entire page.

Get it at

<https://github.com/UbiCastTeam/gst-gtklaunch-1.0>