

# How to Install GStreamer

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Terminal File Edit View Search Terminal Help
sdr@sdr-Samsung-DeskTop-System:~/lecture/Project/gst_proj$ sudo apt-get install gstreamer
r
gstreamer0.10-alsa
gstreamer0.10-doc
gstreamer0.10-gconf
gstreamer0.10-gnomevfs
gstreamer0.10-nice
gstreamer0.10-plugins-base
gstreamer0.10-plugins-base-apps
gstreamer0.10-plugins-base-dbg
gstreamer0.10-plugins-base-doc
gstreamer0.10-plugins-good
gstreamer0.10-plugins-good-dbg
gstreamer0.10-plugins-good-doc
gstreamer0.10-pulseaudio
gstreamer0.10-qapt
gstreamer0.10-tools
gstreamer0.10-x
gstreamer1.0-alsa
gstreamer1.0-clutter
gstreamer1.0-clutter-3.0
gstreamer1.0-crystalhd
gstreamer1.0-doc
gstreamer1.0-dvswitch
gstreamer1.0-espeak
gstreamer1.0-fluendo-mp3
gstreamer1.0-hybris
gstreamer1.0-libav
gstreamer1.0-libav-dbg
gstreamer1.0-nice
gstreamer1.0-packagekit
gstreamer1.0-plugins-bad
gstreamer1.0-plugins-bad-dbg
gstreamer1.0-plugins-bad-doc
gstreamer1.0-plugins-bad-faad
gstreamer1.0-plugins-bad-videoparsers
gstreamer1.0-plugins-base
gstreamer1.0-plugins-base-apps
gstreamer1.0-plugins-base-dbg
gstreamer1.0-plugins-base-doc
gstreamer1.0-plugins-good
gstreamer1.0-plugins-good-dbg
gstreamer1.0-plugins-good-doc
gstreamer1.0-plugins-ugly
gstreamer1.0-plugins-ugly-amr
gstreamer1.0-plugins-ugly-dbg
gstreamer1.0-plugins-ugly-doc
gstreamer1.0-pocketsphinx
gstreamer1.0-pulseaudio
gstreamer1.0-tools
gstreamer1.0-vaapi
gstreamer1.0-vaapi-doc
gstreamer1.0-x
gstreamer-qapt
gstreamer-tools
```

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Terminal File Edit View Search Terminal Help
sdr@sdr-Samsung-DeskTop-System:~/lecture/Project/gst_proj$ gst-launch
The program 'gst-launch' is currently not installed. You can install it by typing:
sudo apt install gstreamer-tools
sdr@sdr-Samsung-DeskTop-System:~/lecture/Project/gst_proj$ gst-inspect
The program 'gst-inspect' is currently not installed. You can install it by typing:
sudo apt install gstreamer-tools
sdr@sdr-Samsung-DeskTop-System:~/lecture/Project/gst_proj$ gst-rtsp-server
gst-rtsp-server: command not found
sdr@sdr-Samsung-DeskTop-System:~/lecture/Project/gst_proj$ sudo apt-get install gstreamer-tools
[sudo] password for sdr:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  gstreamer0.10-tools
Suggested packages:
  gstreamer0.10-plugins-base
The following NEW packages will be installed:
  gstreamer-tools gstreamer0.10-tools
0 upgraded, 2 newly installed, 0 to remove and 240 not upgraded.
Need to get 48.4 kB of archives.
After this operation, 1,535 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
```

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Terminal File Edit View Search Terminal Help
sdr@sdr-Samsung-DeskTop-System:~/lecture/Project/gst_proj$ sudo apt-get install
libgstreamer1.0-0 gstreamer1.0-plugins-base gstreamer1.0-plugins-good gstreamer1
.0-plugins-bad gstreamer1.0-plugins-ugly gstreamer1.0-libav gstreamer1.0-doc gst
reamer1.0-tools
[sudo] password for sdr:
Reading package lists... Done
Building dependency tree
Reading state information... Done
gstreamer1.0-plugins-base is already the newest version (1.8.3-1ubuntu0.2).
gstreamer1.0-plugins-good is already the newest version (1.8.3-1ubuntu0.4).
gstreamer1.0-tools is already the newest version (1.8.3-1~ubuntu0.1).
libgstreamer1.0-0 is already the newest version (1.8.3-1~ubuntu0.1).
gstreamer1.0-plugins-ugly is already the newest version (1.8.3-1ubuntu0.1).
gstreamer1.0-plugins-ugly set to manually installed.
The following additional packages will be installed:
  freepats gstreamer1.0-plugins-bad-faad gstreamer1.0-plugins-bad-videoparsers
  libass5 libavfilter-ffmpeg5 libbs2b0 libchromaprint0 libdca0 libde265-0
  libfaad2 libfluidsynth1 libglib2.0-doc libgstreamer-plugins-bad1.0-0
  libgtkglext1 libkate1 libmimic0 libmjpegutils-2.1-0 libmms0
  libmpeg2encpp-2.1-0 libmpeg2-2.1-0 libofa0 libopencv-calib3d2.4v5
  libopencv-contrib2.4v5 libopencv-core2.4v5 libopencv-features2d2.4v5
  libopencv-flann2.4v5 libopencv-highgui2.4v5 libopencv-imgproc2.4v5
  libopencv-legacy2.4v5 libopencv-ml2.4v5 libopencv-objdetect2.4v5
  libopencv-video2.4v5 libpostproc-ffmpeg53 libsodium18 libsoundtouch1
  libsrtp0 libvo-aacenc0 libvo-amrwbenc0 libwildmidi-config libwildmidi1
  libzbar0 libzmq5
Suggested packages:
  frei0r-plugins libchromaprint-tools python-acoustid devhelp srtp-utils
The following NEW packages will be installed:
  freepats gstreamer1.0-doc gstreamer1.0-libav gstreamer1.0-plugins-bad
  gstreamer1.0-plugins-bad-faad gstreamer1.0-plugins-bad-videoparsers libass5
  libavfilter-ffmpeg5 libbs2b0 libchromaprint0 libdca0 libde265-0 libfaad2
  libfluidsynth1 libglib2.0-doc libgstreamer-plugins-bad1.0-0 libgtkglext1
  libkate1 libmimic0 libmjpegutils-2.1-0 libmms0 libmpeg2encpp-2.1-0
  libmpeg2-2.1-0 libofa0 libopencv-calib3d2.4v5 libopencv-contrib2.4v5
  libopencv-core2.4v5 libopencv-features2d2.4v5 libopencv-flann2.4v5
  libopencv-highgui2.4v5 libopencv-imgproc2.4v5 libopencv-legacy2.4v5
  libopencv-ml2.4v5 libopencv-objdetect2.4v5 libopencv-video2.4v5
  libpostproc-ffmpeg53 libsodium18 libsoundtouch1 libsrtp0 libvo-aacenc0
  libvo-amrwbenc0 libwildmidi-config libwildmidi1 libzbar0 libzmq5
0 upgraded, 45 newly installed, 0 to remove and 240 not upgraded.

```

```
1 #include <gst/gst.h>
2
3 int main(int argc, char **argv)
4 {
5     GstElement *pipeline;
6     GstBus *bus;
7     GstMessage *msg;
8
9     gst_init(&argc, &argv);
10
11     pipeline = gst_parse_launch ("playbin uri=https://www.freedesktop.org/software/gstreamer-sdk/data/media/sintel_trailer-480p.webm", NULL);
12     //pipeline = gst_parse_launch("https://www.freedesktop.org/software/gstreamer-sdk/data/media/sintel_cropped_multilingual.webm");
13     //pipeline = gst_parse_launch("playbin2 uri=file:///home/sdr/lecture/Project/gst_proj/Theme.mp3", NULL);
14
15     gst_element_set_state(pipeline, GST_STATE_PLAYING);
16
17     bus = gst_element_get_bus(pipeline);
18     msg = gst_bus_timed_pop_filtered(bus, GST_CLOCK_TIME_NONE, GST_MESSAGE_ERROR | GST_MESSAGE_EOS);
19
20     if(msg != NULL)
21         gst_message_unref(msg);
22
23     gst_object_unref(bus);
24     gst_element_set_state(pipeline, GST_STATE_NULL);
25     gst_object_unref(pipeline);
26
27     return 0;
28 }
```

GStreamer - I here are so many things wha...

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to https://github.com/ONE-thing-Education/Project6  
b0866f1..9cf0844 master -> master
```

edreeds, GStreamer, Bash, TeX, C++, /Lecture/Project6\_1c

a.out



linux-4  
j/  
s  
cc gst.  
/a.out