



Gst-discoverer



# Gst-discoverer

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## 1 Overview

**gst-discoverer** (gst-discoverer-1.0) is a GStreamer command line utility.

This utility can be used to get information on multimedia content such as images, audio/video files.

## 2 Usage

gst-discoverer accepts the following options:

```
Board $> gst-discoverer-1.0 --help
```

```
gst-discoverer-1.0 --help
Usage:
  gst-discoverer-1.0 [OPTION?] - discover files synchronously with GstDiscoverer

Help Options:
  -h, --help                Show help options
  --help-all               Show all help options
  --help-gst                Show GStreamer Options

Application Options:
  -a, --async                Run asynchronously
  -t, --timeout=T           Specify timeout (in seconds, default 10)
  -c, --toc                  Output TOC (chapters and editions)
  -v, --verbose              Verbose properties
```

By default a short level of information is given including the container format, the audio and the video codecs:

```
Board $> gst-discoverer-1.0 /usr/local/demo/media/ST2297_visionv3.webm
Analyzing file:///usr/local/demo/media/ST2297_visionv3.webm
Done discovering file:///usr/local/demo/media/ST2297_visionv3.webm

Topology:
  container: WebM
  audio: Vorbis
  video: VP8

Properties:
  Duration: 0:04:02.413000000
  Seekable: yes
  Live: no
Tags:
  container format: Matroska
  language code: en
  application name: Lavc56.60.100
```



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```
encoder: Xiph.Org libVorbis I 20150105 (????)
encoder version: 0
audio codec: Vorbis
nominal bitrate: 112000
bitrate: 112000
video codec: On2 VP8
```

The **-v** option gives more details such as the number of audio channels, the audio sample rate, the video width and height or even the pixel aspect ratio:

```
Board $> gst-discoverer-1.0 -v /usr/local/demo/media/ST2297_visionv3.webm
Analyzing file:///usr/local/demo/media/ST2297_visionv3.webm
Done discovering file:///usr/local/demo/media/ST2297_visionv3.webm

Topology:
container: video/webm
audio: audio/x-vorbis, channels=(int)2, rate=(int)48000, streamheader=(buffer)< 01766f72
Tags:
  container format: Matroska
  language code: en
  application name: Lavc56.60.100
  encoder: Xiph.Org libVorbis I 20150105 (????)
  encoder version: 0
  audio codec: Vorbis
  nominal bitrate: 112000
  bitrate: 112000

Codec:
  audio/x-vorbis, channels=(int)2, rate=(int)48000, streamheader=(buffer)< 01766f72
Additional info:
  None
Stream ID: 18eb4f2d90d91d79f9bf3f9b9e41e785ee2cc1396d37b5ad127838437f6a3847/002:002
Language: en
Channels: 2 (front-left, front-right)
Sample rate: 48000
Depth: 32
Bitrate: 112000
Max bitrate: 0
video: video/x-vp8, width=(int)640, height=(int)360, pixel-aspect-ratio=(fraction)1/1, fr
Tags:
  container format: Matroska
  video codec: On2 VP8
  language code: en

Codec:
  video/x-vp8, width=(int)640, height=(int)360, pixel-aspect-ratio=(fraction)1/1, fr
Additional info:
  None
Stream ID: 18eb4f2d90d91d79f9bf3f9b9e41e785ee2cc1396d37b5ad127838437f6a3847/001:001
Width: 640
Height: 360
Depth: 24
Frame rate: 25/1
Pixel aspect ratio: 1/1
Interlaced: false
Bitrate: 0
Max bitrate: 0

Properties:
Duration: 0:04:02.413000000
Seekable: yes
Live: no
Tags:
  container format: Matroska
  video codec: On2 VP8
```



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```
language code: en
application name: Lavc56.60.100
encoder: Xiph.Org libVorbis I 20150105 (????)
encoder version: 0
audio codec: Vorbis
nominal bitrate: 112000
bitrate: 112000
```