

Tvheadend - Bug #6026

TVHeadend is FTBFS when compiling with LTO (as will be default on Ubuntu 21.04)

2021-03-20 13:31 - Michael Marley

Status:	New	Start date:	2021-03-20
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	General	Estimated time:	0.00 hour
Target version:		Affected Versions:	
Found in version:	all		
Description			
It fails with the following errors:			
<pre>src/transcoding/codec/codec.c:75:17: error: type of 'tvh_codec_omx_h264' does not match original d eclaration [-Werror=lto-type-mismatch] 75 extern TVHCodec tvh_codec_omx_h264; ^ src/transcoding/codec/codecs/libs/omx.c:118:15: note: type 'struct TVHVideoCodec' should match typ e 'struct TVHCodec' 118 TVHVideoCodec tvh_codec_omx_h264 = { ^ src/transcoding/codec/codecs/libs/omx.c:118:15: note: 'tvh_codec_omx_h264' was previously declared here src/transcoding/codec/codecs/libs/omx.c:118:15: note: code may be misoptimized unless '-fno-strict -aliasing' is used src/transcoding/codec/codec.c:71:17: error: type of 'tvh_codec_nvenc_hevc' does not match original declaration [-Werror=lto-type-mismatch] 71 extern TVHCodec tvh_codec_nvenc_hevc; ^ src/transcoding/codec/codecs/libs/nvenc.c:335:15: note: type 'struct TVHVideoCodec' should match t ype 'struct TVHCodec' 335 TVHVideoCodec tvh_codec_nvenc_hevc = { ^ src/transcoding/codec/codecs/libs/nvenc.c:335:15: note: 'tvh_codec_nvenc_hevc' was previously decl ared here src/transcoding/codec/codecs/libs/nvenc.c:335:15: note: code may be misoptimized unless '-fno-stri ct-aliasing' is used src/transcoding/codec/codec.c:70:17: error: type of 'tvh_codec_nvenc_h264' does not match original declaration [-Werror=lto-type-mismatch] 70 extern TVHCodec tvh_codec_nvenc_h264; ^ src/transcoding/codec/codecs/libs/nvenc.c:289:15: note: type 'struct TVHVideoCodec' should match t ype 'struct TVHCodec' 289 TVHVideoCodec tvh_codec_nvenc_h264 = { ^ src/transcoding/codec/codecs/libs/nvenc.c:289:15: note: 'tvh_codec_nvenc_h264' was previously decl ared here src/transcoding/codec/codecs/libs/nvenc.c:289:15: note: code may be misoptimized unless '-fno-stri ct-aliasing' is used src/transcoding/codec/codec.c:66:17: error: type of 'tvh_codec_vaapi_vp9' does not match original declaration [-Werror=lto-type-mismatch] 66 extern TVHCodec tvh_codec_vaapi_vp9; ^ src/transcoding/codec/codecs/libs/vaapi.c:351:15: note: type 'struct TVHVideoCodec' should match t ype 'struct TVHCodec' 351 TVHVideoCodec tvh_codec_vaapi_vp9 = { ^ src/transcoding/codec/codecs/libs/vaapi.c:351:15: note: 'tvh_codec_vaapi_vp9' was previously decla red here src/transcoding/codec/codecs/libs/vaapi.c:351:15: note: code may be misoptimized unless '-fno-stri ct-aliasing' is used src/transcoding/codec/codec.c:65:17: error: type of 'tvh_codec_vaapi_vp8' does not match original</pre>			

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declaration [-Werror=lto-type-mismatch]
  65 | extern TVHCodec tvh_codec_vaapi_vp8;
      |             ^
src/transcoding/codec/codecs/libs/vaapi.c:309:15: note: type 'struct TVHVideoCodec' should match type 'struct TVHCodec'
  309 | TVHVideoCodec tvh_codec_vaapi_vp8 = {
      |             ^
src/transcoding/codec/codecs/libs/vaapi.c:309:15: note: 'tvh_codec_vaapi_vp8' was previously declared here
src/transcoding/codec/codecs/libs/vaapi.c:309:15: note: code may be misoptimized unless '-fno-strict-aliasing' is used
src/transcoding/codec/codec.c:64:17: error: type of 'tvh_codec_vaapi_hevc' does not match original declaration [-Werror=lto-type-mismatch]
  64 | extern TVHCodec tvh_codec_vaapi_hevc;
      |             ^
src/transcoding/codec/codecs/libs/vaapi.c:266:15: note: type 'struct TVHVideoCodec' should match type 'struct TVHCodec'
  266 | TVHVideoCodec tvh_codec_vaapi_hevc = {
      |             ^
src/transcoding/codec/codecs/libs/vaapi.c:266:15: note: 'tvh_codec_vaapi_hevc' was previously declared here
src/transcoding/codec/codecs/libs/vaapi.c:266:15: note: code may be misoptimized unless '-fno-strict-aliasing' is used
src/transcoding/codec/codec.c:63:17: error: type of 'tvh_codec_vaapi_h264' does not match original declaration [-Werror=lto-type-mismatch]
  63 | extern TVHCodec tvh_codec_vaapi_h264;
      |             ^
src/transcoding/codec/codecs/libs/vaapi.c:217:15: note: type 'struct TVHVideoCodec' should match type 'struct TVHCodec'
  217 | TVHVideoCodec tvh_codec_vaapi_h264 = {
      |             ^
src/transcoding/codec/codecs/libs/vaapi.c:217:15: note: 'tvh_codec_vaapi_h264' was previously declared here
src/transcoding/codec/codecs/libs/vaapi.c:217:15: note: code may be misoptimized unless '-fno-strict-aliasing' is used
src/transcoding/codec/codec.c:59:17: error: type of 'tvh_codec_libopus' does not match original declaration [-Werror=lto-type-mismatch]
  59 | extern TVHCodec tvh_codec_libopus;
      |             ^
src/transcoding/codec/codecs/libs/libopus.c:132:15: note: type 'struct TVHAudioCodec' should match type 'struct TVHCodec'
  132 | TVHAudioCodec tvh_codec_libopus = {
      |             ^
src/transcoding/codec/codecs/libs/libopus.c:132:15: note: 'tvh_codec_libopus' was previously declared here
src/transcoding/codec/codecs/libs/libopus.c:132:15: note: code may be misoptimized unless '-fno-strict-aliasing' is used
src/transcoding/codec/codec.c:55:17: error: type of 'tvh_codec_libfdk_aac' does not match original declaration [-Werror=lto-type-mismatch]
  55 | extern TVHCodec tvh_codec_libfdk_aac;
      |             ^
src/transcoding/codec/codecs/libs/libfdk_aac.c:135:15: note: type 'struct TVHAudioCodec' should match type 'struct TVHCodec'
  135 | TVHAudioCodec tvh_codec_libfdk_aac = {
      |             ^
src/transcoding/codec/codecs/libs/libfdk_aac.c:135:15: note: 'tvh_codec_libfdk_aac' was previously declared here
src/transcoding/codec/codecs/libs/libfdk_aac.c:135:15: note: code may be misoptimized unless '-fno-strict-aliasing' is used
src/transcoding/codec/codec.c:51:17: error: type of 'tvh_codec_libvorbis' does not match original declaration [-Werror=lto-type-mismatch]
  51 | extern TVHCodec tvh_codec_libvorbis;
      |             ^
src/transcoding/codec/codecs/libs/libvorbis.c:93:15: note: type 'struct TVHAudioCodec' should match type 'struct TVHCodec'
  93 | TVHAudioCodec tvh_codec_libvorbis = {
      |             ^

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src/transcoding/codec/codecs/libs/libvorbis.c:93:15: note: 'tvh_codec_libvorbis' was previously de
clared here
src/transcoding/codec/codecs/libs/libvorbis.c:93:15: note: code may be misoptimized unless '-fno-s
trict-aliasing' is used
src/transcoding/codec/codec.c:48:17: error: type of 'tvh_codec_libtheora' does not match original
declaration [-Werror=lto-type-mismatch]
    48 | extern TVHCodec tvh_codec_libtheora;
        |             ^
src/transcoding/codec/codecs/libs/libtheora.c:74:15: note: type 'struct TVHVideoCodec' should matc
h type 'struct TVHCodec'
    74 | TVHVideoCodec tvh_codec_libtheora = {
        |             ^
src/transcoding/codec/codecs/libs/libtheora.c:74:15: note: 'tvh_codec_libtheora' was previously de
clared here
src/transcoding/codec/codecs/libs/libtheora.c:74:15: note: code may be misoptimized unless '-fno-s
trict-aliasing' is used
src/transcoding/codec/codec.c:44:17: error: type of 'tvh_codec_libvpx_vp9' does not match original
declaration [-Werror=lto-type-mismatch]
    44 | extern TVHCodec tvh_codec_libvpx_vp9;
        |             ^
src/transcoding/codec/codecs/libs/libvpx.c:159:15: note: type 'struct TVHVideoCodec' should match
type 'struct TVHCodec'
   159 | TVHVideoCodec tvh_codec_libvpx_vp9 = {
        |             ^
src/transcoding/codec/codecs/libs/libvpx.c:159:15: note: 'tvh_codec_libvpx_vp9' was previously dec
lared here
src/transcoding/codec/codecs/libs/libvpx.c:159:15: note: code may be misoptimized unless '-fno-str
ict-aliasing' is used
src/transcoding/codec/codec.c:43:17: error: type of 'tvh_codec_libvpx_vp8' does not match original
declaration [-Werror=lto-type-mismatch]
    43 | extern TVHCodec tvh_codec_libvpx_vp8;
        |             ^
src/transcoding/codec/codecs/libs/libvpx.c:148:15: note: type 'struct TVHVideoCodec' should match
type 'struct TVHCodec'
   148 | TVHVideoCodec tvh_codec_libvpx_vp8 = {
        |             ^
src/transcoding/codec/codecs/libs/libvpx.c:148:15: note: 'tvh_codec_libvpx_vp8' was previously dec
lared here
src/transcoding/codec/codecs/libs/libvpx.c:148:15: note: code may be misoptimized unless '-fno-str
ict-aliasing' is used
src/transcoding/codec/codec.c:39:17: error: type of 'tvh_codec_libx265' does not match original de
claration [-Werror=lto-type-mismatch]
    39 | extern TVHCodec tvh_codec_libx265;
        |             ^
src/transcoding/codec/codecs/libs/libx26x.c:309:15: note: type 'struct TVHVideoCodec' should match
type 'struct TVHCodec'
   309 | TVHVideoCodec tvh_codec_libx265 = {
        |             ^
src/transcoding/codec/codecs/libs/libx26x.c:309:15: note: 'tvh_codec_libx265' was previously decla
red here
src/transcoding/codec/codecs/libs/libx26x.c:309:15: note: code may be misoptimized unless '-fno-st
rict-aliasing' is used
src/transcoding/codec/codec.c:36:17: error: type of 'tvh_codec_libx264' does not match original de
claration [-Werror=lto-type-mismatch]
    36 | extern TVHCodec tvh_codec_libx264;
        |             ^
src/transcoding/codec/codecs/libs/libx26x.c:210:15: note: type 'struct TVHVideoCodec' should match
type 'struct TVHCodec'
   210 | TVHVideoCodec tvh_codec_libx264 = {
        |             ^
src/transcoding/codec/codecs/libs/libx26x.c:210:15: note: 'tvh_codec_libx264' was previously decla
red here
src/transcoding/codec/codecs/libs/libx26x.c:210:15: note: code may be misoptimized unless '-fno-st
rict-aliasing' is used
src/transcoding/codec/codec.c:33:17: error: type of 'tvh_codec_flac' does not match original decla
ration [-Werror=lto-type-mismatch]
    33 | extern TVHCodec tvh_codec_flac;

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|           ^
src/transcoding/codec/codecs/flac.c:87:15: note: type 'struct TVHAudioCodec' should match type 'st
ruct TVHCodec'
  87 | TVHAudioCodec tvh_codec_flac = {
|           ^
src/transcoding/codec/codecs/flac.c:87:15: note: 'tvh_codec_flac' was previously declared here
src/transcoding/codec/codecs/flac.c:87:15: note: code may be misoptimized unless '-fno-strict-alias
ing' is used
src/transcoding/codec/codec.c:32:17: error: type of 'tvh_codec_vorbis' does not match original dec
laration [-Werror=lto-type-mismatch]
  32 | extern TVHCodec tvh_codec_vorbis;
|           ^
src/transcoding/codec/codecs/vorbis.c:65:15: note: type 'struct TVHAudioCodec' should match type '
struct TVHCodec'
  65 | TVHAudioCodec tvh_codec_vorbis = {
|           ^
src/transcoding/codec/codecs/vorbis.c:65:15: note: 'tvh_codec_vorbis' was previously declared here
src/transcoding/codec/codecs/vorbis.c:65:15: note: code may be misoptimized unless '-fno-strict-alias
ing' is used
src/transcoding/codec/codec.c:31:17: error: type of 'tvh_codec_aac' does not match original declar
ation [-Werror=lto-type-mismatch]
  31 | extern TVHCodec tvh_codec_aac;
|           ^
src/transcoding/codec/codecs/aac.c:134:15: note: type 'struct TVHAudioCodec' should match type 'st
ruct TVHCodec'
  134 | TVHAudioCodec tvh_codec_aac = {
|           ^
src/transcoding/codec/codecs/aac.c:134:15: note: 'tvh_codec_aac' was previously declared here
src/transcoding/codec/codecs/aac.c:134:15: note: code may be misoptimized unless '-fno-strict-alias
ing' is used
src/transcoding/codec/codec.c:30:17: error: type of 'tvh_codec_mp2' does not match original declar
ation [-Werror=lto-type-mismatch]
  30 | extern TVHCodec tvh_codec_mp2;
|           ^
src/transcoding/codec/codecs/mp2.c:71:15: note: type 'struct TVHAudioCodec' should match type 'str
uct TVHCodec'
  71 | TVHAudioCodec tvh_codec_mp2 = {
|           ^
src/transcoding/codec/codecs/mp2.c:71:15: note: 'tvh_codec_mp2' was previously declared here
src/transcoding/codec/codecs/mp2.c:71:15: note: code may be misoptimized unless '-fno-strict-alias
ing' is used
src/transcoding/codec/codec.c:29:17: error: type of 'tvh_codec_mpeg2video' does not match original
declaration [-Werror=lto-type-mismatch]
  29 | extern TVHCodec tvh_codec_mpeg2video;
|           ^
src/transcoding/codec/codecs/mpeg2video.c:74:15: note: type 'struct TVHVideoCodec' should match ty
pe 'struct TVHCodec'
  74 | TVHVideoCodec tvh_codec_mpeg2video = {
|           ^
src/transcoding/codec/codecs/mpeg2video.c:74:15: note: 'tvh_codec_mpeg2video' was previously decla
red here
src/transcoding/codec/codecs/mpeg2video.c:74:15: note: code may be misoptimized unless '-fno-strict-alias
ing' is used
lto1: all warnings being treated as errors
lto-wrapper: fatal error: cc returned 1 exit status
compilation terminated.
/usr/bin/ld: error: lto-wrapper failed
collect2: error: ld returned 1 exit status

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The full build log is at:

https://launchpadlibrarian.net/528867306/buildlog_ubuntu-hirsute-amd64.tvheadend_4.3.0~pre+202103191825-0~built202103200958~gitdbaa0f850~ubuntu21.04.1_BUILDING.txt.gz