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[Security]memory leak with MP4Box #1737



Olosed) 5n1p3r0010 opened this issue on Apr 8, 2021 ⋅ 0 comments

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5n1p3r0010 commented on Apr 8, 2021
Hi.
There is a memory leak issue with gpac MP4Box, this can reproduce on the lattest commit.
build:
   CC=gcc CXX=g++ CFLAGS="-fsanitize=address" CXXFLAGS="-fsanitize=address" LDFLAGS="-fsanitize=address" ./configure --enable-debug
run as:
shows the following log
     ==2125589==ERROR: LeakSanitizer: detected memory leaks
    Direct leak of 112 byte(s) in 1 object(s) allocated from:
           #0 0x7f8622e8abc8 in malloc (/lib/x86 64-linux-gnu/libasan.so.5+0x10dbc8)
          #1 0x7f8622464d02 in gf_malloc utils/alloc.c:150
#2 0x7f86226d64e6 in gf_odf_new_esd odf/odf_code.c:126
          #3 0x7f86226cfe4d in gf_odf_create_descriptor odf/desc_private.c:42 #4 0x7f86226d0bee in gf_odf_parse_descriptor odf/descriptors.c:88
          #5 0x7f86226db3ef in gf_odf_desc_read odf/odf_codec.c:301
#6 0x7f86226db647 in gf_odf_desc_copy odf/odf_codec.c:389
           #7 0x7f862269a405 in Media GetESD isomedia/media.c:411
           #8 0x7f86226baeba in GetESD isomedia/track.c:87
          #9 0x7f8622670961 in gf_isom_get_esd isomedia/isom_read.c:1298
#10 0x7f862279ef3b in gf_hinter_track_new media_tools/isom_hinter.c:294
          #11 0x5563ffefecd3 in HintFile /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:3402 #12 0x5563fff09e18 in mp4boxMain /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:6186
           #13 0x5563fff0a5e9 in main /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:6312
           #14 0x7f86221eb0b2 in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)
    Indirect leak of 64 byte(s) in 1 object(s) allocated from
           #0 0x7f8622e8abc8 in malloc (/lib/x86_64-linux-gnu/libasan.so.5+0x10dbc8)
          ## 0x778622464002 in gf_malloc utils/alloc.c:150
#2 0x778622464002 in gf_malloc utils/alloc.c:150
#2 0x77862264051 in gf_odf_new_slc odf/slc.c:34
#3 0x77862266fe6b in gf_odf_cente_descriptor odf/desc_private.c:47
#4 0x7786226d0bee in gf_odf_parse_descriptor odf/descriptors.c:88
          #5 0x7f86226d69a7 in gf_odf_read_esd odf/odf_code.c:275
#6 0x7f86226d0260 in gf_odf_read_descriptor odf/desc_private.c:282
#7 0x7f86226d0c98 in gf_odf_parse_descriptor odf/descriptors.c:109
          #8 0x7f86226db3ef in gf_odf_desc_read odf/odf_codec.c:301
#9 0x7f86226db647 in gf_odf_desc_copy odf/odf_codec.c:389
          #10 0x7f862269a405 in Media_GetESD isomedia/media.c:411 #11 0x7f86226baeba in GetESD isomedia/track.c:87
          #12 0x7f8622670961 in gf_isom_get_esd isomedia/isom_read.c:1298
#13 0x7f862279ef3b in gf_hinter_track_new media_tools/isom_hinter.c:294
#14 0x5563ffefecd3 in HintFile /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:3402
           #15 0x5563fff09e18 in mp4boxMain /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:6186
          #16 0x5563fff0a5e9 in main /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:6312 #17 0x7f86221eb0b2 in _libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)
    Indirect leak of 16 byte(s) in 1 object(s) allocated from
           #0 0x7f8622e8abc8 in malloc (/lib/x86_64-linux-gnu/libasan.so.5+0x10dbc8)
           #1 0x7f8622464d02 in gf_malloc utils/alloc.c:150 
#2 0x7f86224597c0 in gf_list_new utils/list.c:601
          #2 0x7f86226df53 cing f_odf_new_ead odf/odf_code.c:131

#4 0x7f86226cf54d in gf_odf_create_descriptor odf/desc_private.c:42

#5 0x7f86226dbee in gf_odf_parse_descriptor odf/descriptors.c:88

#6 0x7f86226dbef in gf_odf_desc_ead odf/odf_codec.c:381

#7 0x7f86226db647 in gf_odf_desc_copy odf/odf_codec.c:389
           #8 0x7f862269a405 in Media_GetESD isomedia/media.c:411
           #9 0x7f86226baeba in GetESD isomedia/track.c:87
          #10 0x7f8622670961 in gf_isom_get_esd isomedia/isom_read.c:1298 #11 0x7f862279ef3b in gf_hinter_track_new media_tools/isom_hinter.c:294
          #12 0x5563ffefecd3 in HintFile /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:3402 #13 0x5563fff09e18 in mp4boxMain /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:6186
          #14 0x5563fff0a5e9 in main /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:6312
#15 0x7f86221eb0b2 in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)
    Indirect leak of 16 byte(s) in 1 object(s) allocated from:
#0 0x7f8622e8abc8 in malloc (/lib/x86_64-linux-gnu/libasan.so.5+0x10dbc8)
           #1 0x7f8622464d02 in gf_malloc utils/alloc.c:150
           #2 0x7f86224597c0 in gf_list_new utils/list.c:601
          #3 0x7f86226d652a in gf_odf_new_esd odf/odf_code.c:130
#4 0x7f86226cfe4d in gf_odf_create_descriptor odf/desc_private.c:42
          #5 0x7f86226d0bee in gf_odf_parse_descriptor odf/descriptors.c:88 #6 0x7f86226db3ef in gf_odf_desc_read odf/odf_codec.c:301
          #7 0x7f86226db647 in gf_odf_desc_copy odf/odf_codec.c:389
#8 0x7f862269a405 in Media_GetESD isomedia/media.c:411
#9 0x7f86226baeba in GetESD isomedia/track.c:87
          #10 0x7f8622670961 in gf_isom_get_ed isomedia/isom_read.c:1298 #11 0x7f862279ef3b in gf_hinter_track_new media_tools/isom_hinter.c:294
           #12 0x5563ffefecd3 in HintFile /home/r00t/fuzz/target/tmp/gpac/applications/mp4box/main.c:3402
```

#13 0x5563fff09e18 in mpdboxMain /home/r00t/fuzz/target/tmp/gpac/applications/mpdbox/main.c:6186
#14 0x5563fff09e18 in main /home/r00t/fuzz/target/tmp/gpac/applications/mpdbox/main.c:6312
#15 0x768622160b02 in _libc_start_main //lib/x86_64-linux-gnu/libc.so.6+0x270b2)

Indirect leak of 16 byte(s) in 1 object(s) allocated from:
#0 0x7686226ab02 in malloc (/lib/x86_64-linux-gnu/libc.so.6+0x270b2)

#1 0x7686226ab02 in gf_malloc wtils/alloc.c:159
#2 0x7686226597c0 in gf_list_new utils/list.c:601
#3 0x7686226597c0 in gf_off_create_oder.cipton odf/desc_private.c:42
#5 0x76862265096 in gf_odf_create_oder.cipton odf/desc_private.c:42
#5 0x7686226b00e in gf_odf_create_oder.cipton odf/desc_private.c:42
#5 0x7686226b00e in gf_odf_create_oder.cipton odf/desc_riptors.c:88
#6 0x7680226b00e in gf_odf_create_oder.cipton odf/desc_riptors.cipton odf_create_oder.cipton odf_create_oder.cipton_cre

(a) jeanlf closed this as completed in cd3738d on Apr 9, 2021

Assignees
No one assigned

Labels
None yet

Projects
None yet

Milestone
No milestone
Development
No branches or pull requests

1 participant

