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AddressSanitizer: stack-overflow when processing ISOM_IOD #2216

✓ Closed 0xdd96 opened this issue on Jul 2 · 0 comments

0xdd96 commented on Jul 2

version info:

```
root:# MP4Box -version
MP4Box - GPAC version 2.1-DEV-rev232-gfcaa01ebb-master
(c) 2000-2022 Telecom Paris distributed under LGPL v2.1+ - http://gpac.io
```

Please cite our work in your research:

GPAC Filters: <https://doi.org/10.1145/3339825.3394929>

GPAC: <https://doi.org/10.1145/1291233.1291452>

```
GPAC Configuration: --prefix=/path_to_build --enable-debug --enable-sanitizer
Features: GPAC_CONFIG_LINUX GPAC_64_BITS GPAC_HAS_IPV6 GPAC_HAS_SSL GPAC_HAS_SOCKET_UN
GPAC_MINIMAL_ODF GPAC_HAS_QJS GPAC_HAS_PNG GPAC_HAS_LINUX_DVB GPAC_DISABLE_3D
```

poc:[poc](#)

command: MP4Box -hint -out /dev/null poc

Here is the trace reported by ASAN:

```
root:# ./MP4Box -hint -out /dev/null poc
[ODF] Error reading descriptor (tag 4 size 14): Invalid MPEG-4 Descriptor
[iso file] Unknown box type tra7F in parent moov
[ODF] Not enough bytes (3) to read descriptor (size=93)
[ODF] Error reading descriptor (tag 3 size 34): Invalid MPEG-4 Descriptor
[iso file] Read Box "esds" (start 5507) failed (Invalid MPEG-4 Descriptor) - skipping
[ODF] Not enough bytes (3) to read descriptor (size=93)
[ODF] Error reading descriptor (tag 3 size 34): Invalid MPEG-4 Descriptor
[iso file] Unknown box type drB3f in parent dinf
[iso file] Missing dref box in dinf
[iso file] extra box maxr found in hinf, deleting
Hinting track ID 1 - Type "mp4v:mp4v" (mpeg4-generic) - BW 1393 kbps
Cannot create hinter (Invalid IsoMedia File)
Track ID 6 disabled - skipping hint
```

ASAN:DEADLYSIGNAL

=====

==15396==ERROR: AddressSanitizer: stack-overflow on address 0x7fffff7feff8 (pc 0x7ffff6f1b64d bp 0x7ffff75d2320 sp 0x7fffff7ff000 T0)

```
#0 0x7ffff6f1b64c (/usr/lib/x86_64-linux-gnu/libasan.so.4+0x10364c)
#1 0x7ffff6f1b0e7 (/usr/lib/x86_64-linux-gnu/libasan.so.4+0x1030e7)
#2 0x7ffff6e40271 (/usr/lib/x86_64-linux-gnu/libasan.so.4+0x28271)
#3 0x7ffff6ef6b0a in __interceptor_malloc (/usr/lib/x86_64-linux-gnu/libasan.so.4+0xde60a)
#4 0x7ffff1c6a647 in gf_malloc utils/alloc.c:150
#5 0x7ffff269f8e6 in gf_odf_new_isom_iod odf/odf_code.c:739
#6 0x7ffff268357e in gf_odf_create_descriptor odf/desc_private.c:77
#7 0x7ffff2684794 in gf_odf_parse_descriptor odf/descriptors.c:88
#8 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#9 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#10 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#11 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#12 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#13 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#14 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#15 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#16 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#17 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#18 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#19 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#20 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#21 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#22 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#23 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#24 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#25 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#26 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#27 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#28 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#29 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#30 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#31 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#32 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#33 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#34 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#35 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#36 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#37 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#38 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#39 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#40 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#41 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#42 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#43 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#44 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#45 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#46 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#47 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#48 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#49 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#50 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#51 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
```

[illegible]

[illegible]

[illegible]


```
#220 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#221 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#222 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#223 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#224 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#225 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#226 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#227 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#228 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#229 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#230 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#231 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#232 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#233 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#234 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#235 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#236 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#237 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#238 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#239 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#240 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#241 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#242 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#243 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#244 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#245 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#246 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#247 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
#248 0x7ffff26a0c16 in gf_odf_read_isom_iod odf/odf_code.c:847
#249 0x7ffff2683a29 in gf_odf_read_descriptor odf/desc_private.c:292
#250 0x7ffff2684a45 in gf_odf_parse_descriptor odf/descriptors.c:109
```

SUMMARY: AddressSanitizer: stack-overflow (/usr/lib/x86_64-linux-gnu/libasan.so.4+0x10364c)
==15396==ABORTING

 **jeanlf** closed this as completed in [4e56ad7](#) on Jul 12

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

1 participant

