Freed heap region: Stack left redzone: Stack mid redzone:

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## A stack-buffer-overflow in odf\_dump.c:887 #1575

 ○ Closed ) seviezhou opened this issue on Aug 14, 2020 · 0 comments seviezhou commented on Aug 14, 2020 System info Ubuntu x86\_64, gcc (Ubuntu 5.5.0-12ubuntu1), MP4Box (latest master 2aa266) Configure CFLAGS="-g -fsanitize=address" LDFLAGS="-fsanitize=address" ./configure --static-mp4box ./bin/gcc/MP4Box -disox -x3d -diod -latm -keep-utc -out /dev/null @@ AddressSanitizer output ==64471==ERROR: AddressSanitizer: stack-buffer-overflow on address 0x7ffc9b2e916f at pc 0x562be4afcd8d bp 0x7ffc9b2e8f10 sp 0x7ffc9b2e8f00 WRITE of size 1 at 0x7ffc9b2e916f thread T0 #0 0x562be4afcd8c in DumpRawUIConfig odf/odf\_dump.c:887
#1 0x562be4b3b57e in gf\_odf\_dump\_dcd odf/odf\_dump.c:974 #2 0x562be4b18eb0 in gf\_odf\_dump\_desc odf/odf\_dump.c:113
#3 0x562be4b32b81 in gf\_odf\_dump\_esd odf/odf\_dump.c:536 #4 0x562be4b18e58 in gf odf dump desc odf/odf dump.c:111 #5 0x562be4844bc6 in esds\_box\_dump isomedia/box\_dump.c:1221
#6 0x562be488d749 in gf\_isom\_box\_dump isomedia/box\_funcs.c:1923 #7 0x562be483776a in gf\_isom\_box\_array\_dump isomedia/box\_dump.c:101 #8 0x562be488d89c in gf\_isom\_box\_dump\_done isomedia/box\_funcs.c:1930 #9 0x562be483e636 in audio\_sample\_entry\_box\_dump\_isomedia/box\_dump.c:750 #10 0x562be488d749 in gf\_isom\_box\_dump\_isomedia/box\_funcs.c:1923 #11 0x562be483776a in gf\_isom\_box\_array\_dump isomedia/box\_dump.c:101
#12 0x562be488d89c in gf\_isom\_box\_dump\_done isomedia/box\_funcs.c:1930 #13 0x562be4840892 in stsd\_box\_dump isomedia/box\_dump.c:857 #14 0x562be488d749 in gf\_isom\_box\_dump isomedia/box\_funcs.c:1923 #15 0x562be483776a in gf\_isom\_box\_array\_dump isomedia/box\_dump.c:101
#16 0x562be488d89c in gf\_isom\_box\_dump\_done isomedia/box\_funcs.c:1930
#17 0x562be4839fa5 in stbl\_box\_dump\_isomedia/box\_dump.c:331 #18 0x562be488d749 in gf\_isom\_box\_dump isomedia/box\_funcs.c:1923 #19 0x562be483776a in gf\_isom\_box\_array\_dump isomedia/box\_dump.c:101
#20 0x562be488d89c in gf\_isom\_box\_dump\_done isomedia/box\_funcs.c:1930 #21 0x562be4844d15 in minf\_box\_dump isomedia/box\_dump.c:1236 #22 0x562be488d749 in gf\_isom\_box\_dump isomedia/box\_funcs.c:1923
#23 0x562be483776a in gf\_isom\_box\_array\_dump isomedia/box\_dump.c:101 #24 0x562be488d89c in gf\_isom\_box\_dump\_done isomedia/box\_funcs.c:1930 #25 0x562be48459a5 in mdia\_box\_dump isomedia/box\_dump.c:1279 #26 0x562be488d749 in gf\_isom\_box\_dump isomedia/box\_funcs.c:1923 #27 0x562be483776a in gf\_isom\_box\_array\_dump isomedia/box\_dump.c:101 #28 0x562be488d89c in gf\_isom\_box\_dump\_done isomedia/box\_funcs.c:1930 #29 0x562be483bf01 in trak\_box\_dump isomedia/box\_dump.c:533
#30 0x562be488d749 in gf\_isom\_box\_dump isomedia/box\_funcs.c:1923 #31 0x562be483776a in gf\_isom\_box\_array\_dump isomedia/box\_dump.c:101 #32 0x562be488d89c in gf\_isom\_box\_dump\_done isomedia/box\_funcs.c:1930 #33 0x562be4838e3e in moov\_box\_dump isomedia/box\_dump.c:217
#34 0x562be488d749 in gf\_isom\_box\_dump isomedia/box\_funcs.c:1923 #35 0x562be4837aba in gf\_isom\_dump isomedia/box\_dump.c:135 #36 0x562be4214ce9 in dump\_isom\_xml /home/seviezhou/gpac/applications/mp4box/filedump.c:1670 #37 0x562be41e5fa4 in mp4boxMain /home/seviezhou/gpac/applications/mp4box/main.c:5548 #38 0x7f7a080ccb96 in \_\_libc\_start\_main (/lib/x86\_64-linux-gnu/libc.so.6+0x21b96) #39 0x562be41c3f09 in \_start (/home/seviezhou/gpac/bin/gcc/MP4Box+0x27ff09) Address 0x7ffc9b2e916f is located in stack of thread T0 at offset 511 in frame #0 0x562be4af934f in DumpRawUIConfig odf/odf\_dump.c:875 This frame has 3 object(s): [32, 35) 'szPh' [96, 196) 'ind\_buf' [256, 511) 'devName' <== Memory access at offset 511 overflows this variable HINT: this may be a false positive if your program uses some custom stack unwind mechanism or swapcontext (longjmp and C++ exceptions \*are\* supported)

SUMMARY: AddressSanitizer: stack-buffer-overflow odf/odf\_dump.c:887 DumpRawUIConfig 0x100013655200: 00 00 00 00 00 04 f4 f4 f4 f2 f2 f2 f2 00 00 0x100013655230: f3 f3 f3 f3 f3 f0 00 00 00 00 00 00 00 00 00 0x100013655240: 00 00 00 00 00 f1 f1 f1 f1 00 00 00 00 00 00 0x100013655250: 00 00 00 00 00 00 04 f4 f4 f3 f3 f3 f3 f3 90 00 0x100013655260: 00 00 00 00 00 00 00 00 00 f1 f1 f1 f1 00 00 0x100013655270: 00 00 00 00 00 00 00 00 00 04 f4 f4 f4 f4 f3 f3 Shadow byte legend (one shadow byte represents 8 application bytes): Addressahle: Partially addressable: 01 02 03 04 05 06 07 Heap left redzone: Heap right redzone:

Stack right redzone: f3
Stack partial redzone: f4
Stack after return: f5
Stack use after scope: f8
Global redzone: f9
Global init order: f6
Poisoned by user: f7
Container overflow: fc
Array cookie: c
Intra object redzone: bb
ASan internal: fe
==64471==ABORTING

## POC

 $stack-overflow-DumpRawUIConfig-odf\_dump-887.zip$ 

jeanlf closed this as completed in 71f1d75 on Sep 1, 2020

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

1 participant

