

New issue

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# allocator is out of memory in /Source/C++/Core/Ap4Array.h:172 #702

🔔 Open a4865g opened this issue on May 8 · 0 comments

a4865g commented on May 8

SUMMARY: AddressSanitizer: allocator is out of memory in /Source/C++/Core/Ap4Array.h:172

- Version

```
$ ./mp42hls
MP4 To HLS File Converter - Version 1.2
(Bento4 Version 1.6.0.0)
(c) 2002-2018 Axiomatic Systems, LLC
```

branch [d02ef82](#)

- Platform

```
$ gcc --version
gcc (Ubuntu 9.4.0-1ubuntu1~20.04.1) 9.4.0
Copyright (C) 2019 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
```

```
$ uname -r
5.13.0-40-generic
```

```
$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 20.04.4 LTS
Release:        20.04
Codename:       focal
```

- Steps to reproduce

```
$ mkdir build
$ cd build
$ cmake .. -DCMAKE_CXX_FLAGS="-fsanitize=address -g" -DCMAKE_C_FLAGS="-fsanitize=address -g" -
DCMAKE_EXE_LINKER_FLAGS="-fsanitize=address" -DCMAKE_MODULE_LINKER_FLAGS="-fsanitize=address"
$ make

$ ./mp42hls poc
```

- Asan

```
$ ./mp42hls poc
=====
==2569847==ERROR: AddressSanitizer: allocator is out of memory trying to allocate 0x64f7ff3b0
bytes
    #0 0x7f4dacc42587 in operator new(unsigned long)
    ../../../../../../src/libsanitizer/asan/asan_new_delete.cc:104
    #1 0x55b48862ff7c in AP4_Array<AP4_TruncatedAtom::Entry>::EnsureCapacity(unsigned int)
    (/home/wulearn/Bento4/build/mp42hls+0x40af7c)
    #2 0x55b48862fcf0 in AP4_Array<AP4_TruncatedAtom::Entry>::SetItemCount(unsigned int)
    /home/wulearn/Bento4/Source/C++/Core/Atom/AP4Array.h:210
    #3 0x55b48862e470 in AP4_TruncatedAtom::AP4_TruncatedAtom(unsigned int, unsigned char, unsigned int,
    AP4_ByteStream&) /home/wulearn/Bento4/Source/C++/Core/Atom/AP4TruncatedAtom.cpp:127
    #4 0x55b48862de8a in AP4_TruncatedAtom::Create(unsigned int, AP4_ByteStream&)
    /home/wulearn/Bento4/Source/C++/Core/Atom/AP4TruncatedAtom.cpp:51
    #5 0x55b4885751ab in AP4_AtomFactory::CreateAtomFromStream(AP4_ByteStream&, unsigned int,
    unsigned int, unsigned long long, AP4_Atom*&)
    /home/wulearn/Bento4/Source/C++/Core/Atom/AP4AtomFactory.cpp:438
    #6 0x55b488572f7a in AP4_AtomFactory::CreateAtomFromStream(AP4_ByteStream&, unsigned long
    long&, AP4_Atom*&) /home/wulearn/Bento4/Source/C++/Core/Atom/AP4AtomFactory.cpp:234
    #7 0x55b488572549 in AP4_AtomFactory::CreateAtomFromStream(AP4_ByteStream&, AP4_Atom*&)
    /home/wulearn/Bento4/Source/C++/Core/Atom/AP4AtomFactory.cpp:154
    #8 0x55b4885a3392 in AP4_File::ParseStream(AP4_ByteStream&, AP4_AtomFactory&, bool)
    /home/wulearn/Bento4/Source/C++/Core/File/AP4File.cpp:104
    #9 0x55b4885a2fe0 in AP4_File::AP4_File(AP4_ByteStream&, bool)
    /home/wulearn/Bento4/Source/C++/Core/File/AP4File.cpp:78
    #10 0x55b48855db38 in main /home/wulearn/Bento4/Source/C++/Apps/Mp42Hls/Mp42Hls.cpp:1894
    #11 0x7f4dac6190b2 in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x240b2)

==2569847==HINT: if you don't care about these errors you may set allocator_may_return_null=1
SUMMARY: AddressSanitizer: out-of-memory ../../../../../../src/libsanitizer/asan/asan_new_delete.cc:104
in operator new(unsigned long)
==2569847==ABORTING
```

poc: [poc.zip](#)

Thanks!

Assignees

No one assigned

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**Labels**

None yet

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**Projects**

None yet

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**Milestone**

No milestone

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**Development**

No branches or pull requests

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1 participant

