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## A heap-buffer-overflow in wav\_file.cpp:160:40 #23



==65004==ABORTING

New issue

⊙ Open seviezhou opened this issue on Aug 13, 2020 · 0 comments seviezhou commented on Aug 13, 2020 • edited 🕶 System info Ubuntu x86\_64, clang 6.0, sela (latest master ca09cb) Configure 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" -DCMAKE\_MODULE\_LINKER\_FLAGS="-fsanitize=addres fsanitize=address Command line ./build/sela -e @@ /dev/null AddressSanitizer output ==65004==ERROR: AddressSanitizer: heap-buffer-overflow on address 0x6160000008d0 at pc 0x00000055d64b bp 0x7ffc37ec4b00 sp 0x7ffc37ec4af8 READ of size 1 at 0x6160000008d0 thread T0 ## 0 #x55164a in signed char\* std::\_copy\_move<false, false, std::random\_access\_iterator\_tag>::\_copy\_m<char\*, signed char\*>(char\*, char\*, signed char\*) /usr/lib/gcc/x86\_64-linux-gnu/8/../.../include/c++/8/bits/stl\_algobase.h:324:20
#1 0 x55164a in signed char\* std::\_copy\_move\_acfalse, char\*, signed char\*>(char\*, char\*, signed char\*) /usr/lib/gcc/x86\_64-linux-gnu/8/... gnu/8/../../include/c++/8/bits/st1\_algobase.h:385 #2 0x55d64a in signed char\* std::\_copy\_move\_a2<false, \_gnu\_cxx::\_normal\_iterator<char\*, std::vector<char, std::allocator<char\*> >, signed char\*> (\_gnu\_cxx::\_normal\_iterator<char\*, std::vector<char, std::allocator<char>>>, signed char\*) /usr/lib/gcc/x86\_64-linux-gnu/8/../../../include/c++/8/bits/stl\_algobase.h:422 #3 0x55d42b in void std::vectorcsigned char, std::allocatorcsigned char> >::\_M\_range\_initialize<\_gnu\_cxx::\_normal\_iteratorcchar\*, std::vectorcchar, std::allocatorcchar> >> \
(\_gnu\_cxx::\_normal\_iteratorcchar\*, std::vectorcchar, std::allocatorcchar> >> \_\_gnu\_cxx::\_normal\_iteratorcchar\*, std::allocatorcchar> >> ,
std::forward\_iterator\_tag) /usr/lib/gcc/x86\_64-linux-gnu/8/../../../include/c++/8/bits/stl\_algobase.h:454:15
## 0x557b9b in void std::vectorcsigned char, std::allocatorcchar> >:\_M\_initialize\_dispatch\_\_gnu\_cxx::\_normal\_iteratorcchar\*, std::vectorcchar, std::allocatorcchar> >: >> \c\_mu\_cxx:\_normal\_iterator.char, std::vector.char, std::allocator.char> >>,\_mu\_cxx:\_normal\_iterator.char, std::vector.char, std::allocator.char> >>,\_mu\_cxx:\_normal\_iterator.char, std::vector.char, std::allocator.char> >>,\_mu\_cxx:\_normal\_iterator.char, std::vector.char, std::allocator.char> >>, std::\_false\_type) /usr/lib/gc(x/86\_64-linux=mu/8/../../include/c+/8/bits/stl\_vector.h:1437:4

#5 0x557b9b in std::vector.csigned char, std::allocator.csigned char> >::vector.c\_mu\_cxx:\_normal\_iterator.char\*, std::vector.char, std::allocator.char> >>, out

(\_mu\_cxx:\_normal\_iterator.char\*, std::allocator.char> >>,\_mu\_cxx:\_normal\_iterator.char\*, std::vector.char, std::allocator.char> >>,\_mu\_cxx:\_normal\_iterator.char\* std::allocator<signed char> const8) /usr/lib/gcc/x86\_64-linux-gnu/8/../../include/c++/8/bits/stl\_vector.h:546
#6 0x55156b in file::WavFile::readFromFile(std::basic\_ifstream<char, std::char\_traits<char> >8) /home/seviezhou/sela/src/file/wav\_file.cpp:160:40 #7 0x5655b3 in sela::Encoder::readFrames() /home/seviezhou/sela/src/sela/encoder.cpp:37:13
#8 0x5655b3 in sela::Encoder::process() /home/seviezhou/sela/src/sela/encoder.cpp:97
#9 0x51d568 in encodeFile(std::basic\_ifstreamcchar, std::char\_traits<char> >8, std::basic\_ofstreamcchar, std::char\_traits<char> >8) /home/seviezhou/sela/src/main.cpp:32:39 #10 0x51ef56 in main /home/seviezhou/sela/src/main.cpp:75:17
#11 0x7f16fe66183f in \_\_libc\_start\_main /build/glibc-e6zv40/glibc-2.23/csu/../csu/libc-start.c:291 #12 0x41c5e8 in \_start (/home/seviezhou/sela/build/sela+0x41c5e8) 0x6160000008d0 is located 0 bytes to the right of 592-byte region [0x616000000680,0x616000000880) #0 0x518278 in operator new(unsigned long) /home/seviezhou/llvm-6.0.0/projects/compiler-rt/lib/asan/asan\_new\_delete.cc:92 #1 0x54c83a in \_gnu\_cxx::new\_allocator<char>::allocate(unsigned long, void const\*) /usr/lib/gcc/x86\_64-linux-gnu/8/../../../include/c++/8/ext/new\_allocator.h:111:27 #2 0x54c83a in std::allocator\_traits<std::allocator<char> >::allocate(std::allocator<char>&, unsigned long) /usr/lib/gcc/x86\_64-linux gnu/8/../../include/c++/8/bits/alloc\_traits.h:436 #3 0x54c83a in std::\_Vector\_base<char, std::allocator<char> >::\_M\_allocate(unsigned long) /usr/lib/gcc/x86\_64-linux-gnu/8/../../include/c++/8/bits/stl\_vector.h:296 ## 0x54c83a in std::vector<char, std::allocator<char> >::\_M\_default\_append(unsigned long) /usr/lib/gcc/x86\_64-linux-gnu/8/../../include/c++/8/bits/vector.tcc:604 SUMMARY: AddressSanitizer: heap-buffer-overflow /usr/lib/gcc/x86\_64-linux-gnu/8/../../../include/c++/8/bits/stl\_algobase.h:324:20 in signed char\* std::\_\_copy\_move<false, false, std::random\_access\_iterator\_tag>::\_\_copy\_mcchar\*, signed char\*>(char\*, char\*, signed char\*) =>0x0c2c7fff8110: 00 00 00 00 00 00 00 00 00 00[fa]fa fa fa fa Shadow byte legend (one shadow byte represents 8 application bytes): Addressable: Partially addressable: 01 02 03 04 05 06 07 Heap left redzone: fa Freed heap region: Stack left redzone: Stack mid redzone: Stack right redzone: Stack after return: Global redzone: Global init order: Poisoned by user: Container overflow: Array cookie: Intra object redzone: ASan internal: Left alloca redzone: Right alloca redzone:

ssignees Io one assigned
abels Ione yet
rojects Jone yet
filestone Io milestone

1 participant

No branches or pull requests

POC

heap-overflow-readFromFile-wav\_file-160.zip

